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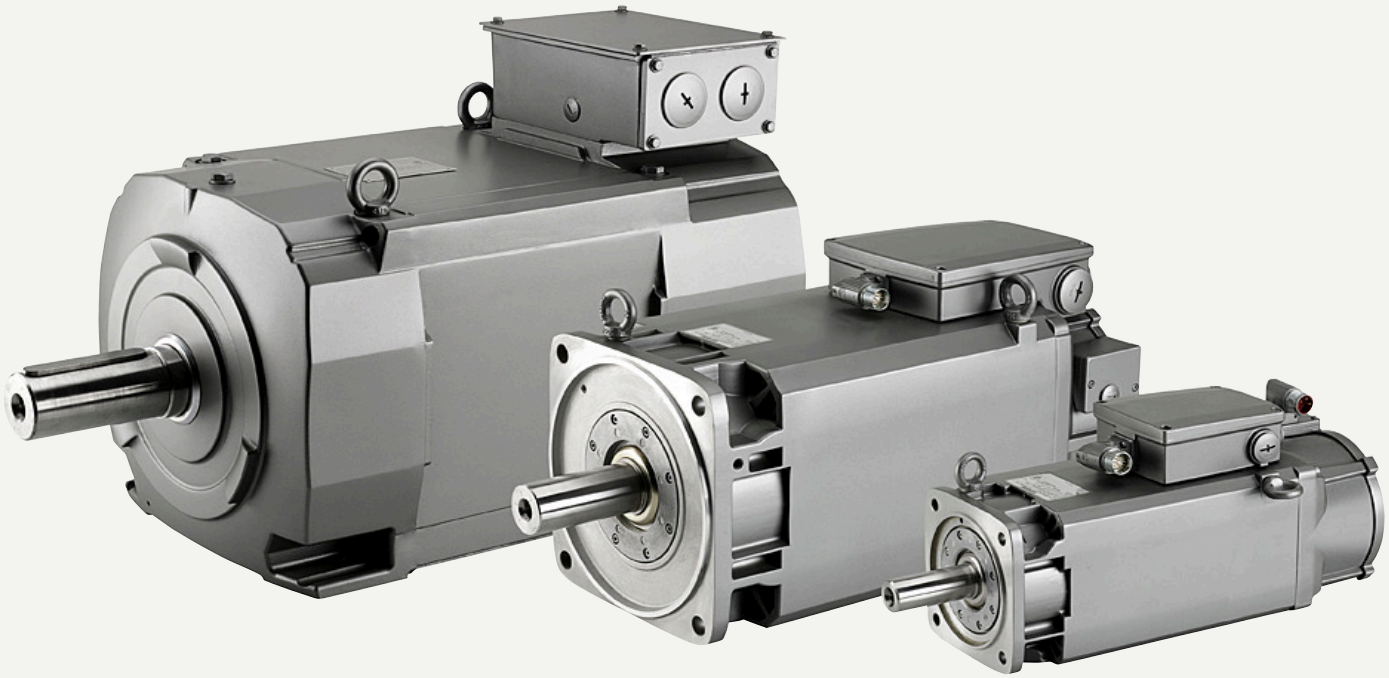

Edition 12/2022

TECHNICAL DATA AND CHARACTERISTICS

SIMOTICS M

Main induction motors

1PH8

www.siemens.com/drives

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Introduction 1

Technical data and characteristics 2

SIMOTICS M

Drive technology
Technical data and characteristics
SIMOTICS M-1PH8 induction motors

Configuration Manual

12/2022
A5E51895867

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Introduction

1

You can find the corresponding Configuration Manual in the Siemens Industry Online Support (https://support.industry.siemens.com/cs/ww/en/)

Configuration Manual 1PH8 (https://support.industry.siemens.com/cs/de/en/view/109744012)

Technical data and characteristics 2

2.1 Technical data

The technical data of the relevant motor version are defined by four rated operating points in the tables.

These four rated operating points also correspond to the data stamped on the rating plate of the motor and to the data listed in the selection and ordering data sections of the relevant catalogs.

Table 2-1 Explanation of the abbreviations used

Abbreviation	Unit	Description
P_{rated}	kW	Rated power
M_{rated}	Nm	Rated torque
I_{rated}	A	Rated current
U_{rated}	V	Rated voltage
f_{rated}	Hz	Rated frequency
n_{rated}	r/min	Rated speed
cos Φ	-	Power factor
η	-	Efficiency (rated operating point sine-wave operation or 1st order fundamental oscillation)
J	kgm^2	Moment of inertia
T_{th}	min	Thermal time constant
I_{μ}	A	Magnetizing current
P_cool	kW	Heat loss to be dissipated on water-cooled motors
m	kg	Weight
n_{max1} *)	r/min	Maximum permissible speed with bearing type "Standard or Increased Speed"
n_{max2}	r/min	Maximum permissible speed with bearing type "Performance"
n_{max3}	r/min	Maximum permissible speed with bearing type "High Performance"
$n_{max,Br}$	r/min	Maximum permissible speed with bearing type "Advanced Lifetime" or built-on holding brake
n_2	r/min	Maximum operating speed in field-weakening range (borders range of constant power)
M_{max}	Nm	Maximum permissible short-time torque for dynamic processes
I_{max}	A	Maximum permissible short-time current at M_{max}

Abbreviation	Unit	Description
M_0	Nm	Torque (S1) at zero speed
I_0	A	Current (S1) at M_0

*) With the bearing for increased radial forces (14th data position = F), the maximum permissible speed for shaft heights 100, 132, and 160 is smaller than the maximum permissible speed stated in the characteristics for the bearings for Standard or increased speed.

Maximum permissible speed with the bearing for increased radial forces:

Shaft height 100: n_{max1} = 7,000 r/min

Shaft height 132: n_{max1} = 6,500 r/min

Shaft height 160: n_{max1} = 5,300 r/min

2.1.1 Shaft height 80 – forced ventilation

Table 2-2 1PH8 shaft height 80, forced ventilation (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_μ A	m kg
1PH8083-1□F□□	SLM/BLM 400 V	2.8	17.8	7.5	346	53.3	1500	0.80	0.809	0.0064	10	3.8	32
Y connection	ALM 400 V	3.3	18	7.5	398	61.9	1750	0.80	0.831			3.8	
	SLM/BLM 480 V	3.7	17.7	7.6	447	70.0	2000	0.79	0.850			3.7	
	ALM 480 V	4.1	17.8	7.6	480	76.2	2200	0.82	0.850			3.6	
1PH8083-1□G□□	SLM/BLM 400 V	3.7	17.7	11.6	293	70.2	2000	0.79	0.832			5.7	
Y connection	ALM 400 V	4.1	17	11.3	332	80.0	2300	0.78	0.852			5.7	
	SLM/BLM 480 V	4.6	16.6	11.2	376	91.6	2650	0.78	0.862			5.7	
	ALM 480 V	4.8	16.4	11.3	400	96.4	2800	0.76	0.868			5.8	
1PH8083-1□M□□	SLM/BLM 400 V	4.1	13.1	13.6	298	102.6	3000	0.74	0.869			7.3	
Y connection	ALM 400 V	4.5	13	13.5	327	113.8	3300	0.74	0.875			7.3	
	SLM/BLM 480 V	4.9	13	14	355	122.6	3600	0.74	0.881			7.3	
	ALM 480 V	5.3	13	14	372	132.8	3900	0.76	0.870			7.2	
1PH8083-1□N□□	SLM/BLM 400 V	4.8	10.1	17	300	152.3	4500	0.70	0.860			9.5	
Y connection	ALM 400 V	5.3	10	17	335	168.9	5000	0.69	0.870			9.7	
	SLM/BLM 480 V	5.5	9.6	16.5	350	185.7	5500	0.71	0.870			9.0	
	ALM 480 V	5.0	8	15.9	382	202.1	6000	0.66	0.850			9.1	

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8087-1□F□□ Y connection	SLM/BLM 400 V	3.7	23.6	10	336	53.2	1500	0.81	0.817	0.0089	10	4.9	39
	ALM 400 V	4.3	23.5	10	396	61.4	1750	0.78	0.838			5.3	
	SLM/BLM 480 V	4.9	23.4	10	435	69.9	2000	0.80	0.864			4.9	
	ALM 480 V	5.3	23	10	480	76.3	2200	0.78	0.870			5.1	
1PH8087-1□G□□ Y connection	SLM/BLM 400 V	4.9	23.4	14.1	320	69.8	2000	0.78	0.853			7.3	
	ALM 400 V	5.4	22.4	13.7	353	79.8	2300	0.78	0.859			6.8	
	SLM/BLM 480 V	6.0	21.8	13.6	390	91.6	2650	0.79	0.884			6.5	
	ALM 480 V	6.3	21.5	13.5	425	96.5	2800	0.77	0.870			6.8	
1PH8087-1□M□□ Y connection	SLM/BLM 400 V	4.8	15.3	17.3	284	102.2	3000	0.72	0.871			9.6	
	ALM 400 V	5.2	15	17.1	303	112.4	3300	0.73	0.878			9.2	
	SLM/BLM 480 V	5.7	15.1	17.1	329	122.4	3600	0.73	0.878			9.2	
	ALM 480 V	6.0	14.7	17.1	357	132.4	3900	0.73	0.890			9.2	
1PH8087-1□N□□ Y connection	SLM/BLM 400 V	5.8	12.3	19.5	315	152.1	4500	0.70	0.871			11.0	
	ALM 400 V	6.5	12.4	19.5	335	169.0	5000	0.73	0.878			10.4	
	SLM/BLM 480 V	6.9	12	19	370	185.6	5500	0.71	0.878			10.5	
	ALM 480 V	7.0	11.1	19	415	202.1	6000	0.68	0.860			10.5	

Table 2-3 1PH8 shaft height 80 forced ventilation – Premium Performance (supplementary basic data)

Motor type	J kgm²	T_{th} min
1PH8081-1□U□□ Y connection	0.0045	10
1PH8081-1□W□□ Y connection	0.0045	10
1PH8081-1□V□□ Y connection	0.0045	10
1PH8083-1□W□□ Y connection	0.0064	10
1PH8083-1□V□□ Y connection	0.0064	10
1PH8087-1□V□□ Y connection	0.0089	10

2.1.2 Shaft height 100 – forced ventilation

Table 2-4 1PH8 shaft height 100, forced ventilation (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8101-1□F□□	SLM/BLM 400 V	3.7	24	12.5	265	52.4	1500	0.80	0.835	0.0138	20	6.0	42
Y connection	ALM 400 V	4.3	23	12.5	304	60.9	1750	0.80	0.852			6.0	
	SLM/BLM 480 V	4.7	22	12.5	343	69.0	2000	0.79	0.871			6.0	
	ALM 480 V	5.1	22	12.5	363	76.0	2200	0.82	0.870			6.0	
1PH8101-1□S□□	SLM/BLM 400 V	3.7	24	13.2	253	52.4	1500	0.80	0.830			6.3	
Y connection	ALM 400 V	4.9	23	13.2	328	69.2	2000	0.80	0.870			6.3	
	SLM/BLM 480 V	6.2	24	13.2	404	85.9	2500	0.80	0.890			6.2	
	ALM 480 V	7.4	24	13.2	480	102.5	3000	0.79	0.900			6.3	
1PH8101-1□S□□	SLM/BLM 400 V	3.7	9	13.5	289	134.6	4000	0.69	0.890			7.8	
Δ connection	ALM 400 V	4.9	9	13.5	360	168.0	5000	0.70	0.900			7.8	
	SLM/BLM 480 V	6.2	10	13	460	201.3	6000	0.68	0.910			8.5	
	ALM 480 V	7.2	10	13	503	234.8	7000	0.72	0.910			7.8	
1PH8103-1□D□□	SLM/BLM 400 V	3.7	35	10	333	35.8	1000	0.82	0.814	0.0172	20	4.6	51
Y connection	ALM 400 V	4.3	36	10	380	40.9	1150	0.81	0.824			4.8	
	SLM/BLM 480 V	4.7	33	9.7	423	47.3	1350	0.82	0.848			4.4	
	ALM 480 V	5.2	33	9.7	470	52.2	1500	0.81	0.850			4.6	
1PH8103-1□F□□	SLM/BLM 400 V	5.5	35	13.5	368	52.4	1500	0.80	0.852			6.5	
Y connection	ALM 400 V	6.3	34	13.1	412	60.8	1750	0.81	0.859			6.0	
	SLM/BLM 480 V	7.0	33	12.7	460	69.1	2000	0.81	0.894			5.8	
	ALM 480 V	7.7	33	12.7	480	76.1	2200	0.83	0.880			5.8	
1PH8103-1□G□□	SLM/BLM 400 V	7.0	33	17.5	345	69.0	2000	0.79	0.877			8.7	
Y connection	ALM 400 V	7.5	31	17	382	78.9	2300	0.79	0.891			8.1	
	SLM/BLM 480 V	8.0	29	16	434	90.4	2650	0.78	0.913			8.1	
	ALM 480 V	8.5	29	16	455	95.3	2800	0.78	0.900			8.1	
1PH8103-1□M□□	SLM/BLM 400 V	8.4	27	25.7	297	102.1	3000	0.78	0.900			12.2	
Y connection	ALM 400 V	9.3	27	25.7	326	112.1	3300	0.78	0.900			12.2	
	SLM/BLM 480 V	10.0	27	25.4	355	122.1	3600	0.77	0.910			12.3	
	ALM 480V	10.8	26	25	383	132.1	3900	0.77	0.900			12.2	
1PH8105-1□F□□	SLM/BLM 400 V	7.0	45	17.5	348	51.9	1500	0.79	0.867	0.0252	20	8.8	65
Y connection	ALM 400 V	8.0	44	17.5	400	60.2	1750	0.78	0.878			8.8	
	SLM/BLM 480 V	9.0	43	17	453	68.5	2000	0.78	0.911			8.7	
	ALM 480 V	9.9	43	17	485	75.3	2200	0.79	0.900			8.7	
1PH8105-1□S□□	SLM/BLM 400 V	7.5	18	24	308	134.6	4000	0.73	0.907			12.7	
Δ connection	ALM 400 V	9.3	18	24	398	168.0	5000	0.71	0.914			13.2	
	SLM/BLM 480 V	11.2	18	22	460	201.3	6000	0.73	0.932			12.7	
	ALM 480 V	13.0	18	22	500	234.9	7000	0.76	0.920			12.7	
1PH8105-1□S□□	SLM/BLM 400 V	7.5	48	23	285	52.1	1500	0.79	0.864			11.5	
Y connection	ALM 400 V	10.0	48	23	366	68.9	2000	0.80	0.891			10.9	
	SLM/BLM 480 V	12.5	48	23	451	85.5	2500	0.80	0.922			10.9	
	ALM 480 V	14.5	46	22.8	495	102.7	3000	0.83	0.910			10.0	

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8107-1□B□□	SLM/BLM 400 V	2.5	60	8.8	290	15.5	400	0.85	0.690	0.0289	20	4.1	73
Y connection	ALM 400 V	3.2	61	8.8	347	19.0	500	0.85	0.730			4.3	
	SLM/BLM 480 V	3.8	60	8.8	406	22.0	600	0.82	0.760			4.4	
	ALM 480 V	4.4	60	8.7	452	25.5	700	0.83	0.790			4.0	
1PH8107-1□D□□	SLM/BLM 400 V	6.3	60	17.5	307	35.5	1000	0.82	0.834			8.2	
Y connection	ALM 400 V	7.2	60	17.5	348	40.6	1150	0.82	0.852			8.2	
	SLM/BLM 480 V	8.0	57	17	400	47.1	1350	0.80	0.867			8.2	
	ALM 480 V	8.8	56	17	440	52.0	1500	0.80	0.860			8.2	
1PH8107-1□F□□	SLM/BLM 400 V	9.0	57	23.5	330	52.2	1500	0.81	0.869			10.8	
Y connection	ALM 400 V	10.0	55	22	380	60.4	1750	0.80	0.878			10.9	
	SLM/BLM 480 V	11.0	53	21.5	428	68.6	2000	0.79	0.901			10.8	
	ALM 480 V	12.1	53	21.5	470	75.2	2200	0.78	0.900			10.9	
1PH8107-1□G□□	SLM/BLM 400 V	10.5	50	26	355	68.6	2000	0.78	0.897			12.9	
Y connection	ALM 400 V	12.0	50	26	406	78.6	2300	0.78	0.909			13.0	
	SLM/BLM 480 V	13.0	47	24	460	90.0	2650	0.77	0.932			12.8	
	ALM 480 V	13.7	47	24	480	95.1	2800	0.77	0.920			12.8	
1PH8107-1□M□□	SLM/BLM 400 V	12.0	38	38	294	101.6	3000	0.76	0.900			19.2	
Y connection	ALM 400 V	13.0	38	38	314	111.7	3300	0.77	0.900			18.3	
	SLM/BLM 480 V	14.0	37	37.5	350	121.6	3600	0.77	0.910			19.1	
	ALM 480 V	14.0	34	35	380	131.5	3900	0.73	0.900			19.4	
1PH8107-1□S□□	SLM/BLM 400 V	8.5	20	28	323	134.4	4000	0.68	0.898			16.4	
Δ connection	ALM 400 V	11.0	21	28	410	167.8	5000	0.68	0.909			16.7	
	SLM/BLM 480 V	12.8	20	28	460	201.3	6000	0.73	0.931			15.5	
	ALM 480 V	15.0	20	28	500	234.8	7000	0.75	0.920			16	
1PH8107-1□S□□	SLM/BLM 400 V	8.5	54	27	275	52.0	1500	0.80	0.861			13.1	
Y connection	ALM 400 V	11.0	53	26.7	368	68.5	2000	0.76	0.894			14.2	
	SLM/BLM 480 V	14.0	53	26.5	454	85.2	2500	0.77	0.923			14.1	
	ALM 480 V	16.0	51	26	500	102.2	3000	0.81	0.910			14.0	

2.1.3 Shaft height 132 – forced ventilation

Table 2-5 1PH8 shaft height 132, forced ventilation (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8131-1□B□□	SLM/BLM 400 V	2.9	69	9	272	14.7	400	0.88	0.770	0.059	30	3.5	89
Y connection	ALM 400 V	3.6	69	9	328	18.0	500	0.88	0.810			3.5	
	SLM/BLM 480 V	4.3	68	9	384	21.3	600	0.88	0.830			3.5	
	ALM 480 V	4.9	67	9	450	24.6	700	0.85	0.834			3.5	
1PH8131-1□D□□	SML/BLM 400 V	7.9	75	20	316	34.8	1000	0.86	0.870			8.0	
Y connection	ALM 400 V	9.0	75	20	360	39.8	1150	0.85	0.880			8.1	
	SML/BLM 480 V	10.6	75	20	416	46.5	1350	0.86	0.900			7.9	
	ALM 480 V	11.7	74	20	460	51.5	1500	0.85	0.910			8.0	
1PH8131-1□F□□	SLM/BLM 400 V	11.0	70	24	360	51.4	1500	0.84	0.899			10.4	
Y connection	ALM 400 V	13.0	71	24	416	59.9	1750	0.85	0.914			10.3	
	SLM/BLM 480 V	15.0	72	24	460	68.2	2000	0.86	0.931			9.2	
	ALM 480 V	16.5	72	24	500	75.0	2200	0.87	0.920			10.0	
1PH8131-1□S□□	SLM/BLM 400 V	11.0	26	40	285	134.1	4000	0.75	0.893			18.1	
Δ connection	ALM 400 V	14.6	28	40	360	167.5	5000	0.78	0.897			18.5	
	SLM/BLM 480 V	18.0	29	35	453	200.8	6000	0.75	0.908			20.2	
	ALM 480 V	19.8	27	34	500	234.2	7000	0.78	0.880			18.3	
1PH8131-1□S□□	SLM/BLM 400 V	11.0	70	39	227	51.5	1500	0.85	0.884			15.1	
Y connection	ALM 400 V	14.6	70	39	302	68.2	2000	0.85	0.908			15.9	
	SLM/BLM 480 V	18.0	69	38	372	84.8	2500	0.84	0.922			15.6	
	ALM 480 V	19.8	63	36.5	446	101.4	3000	0.82	0.920			16	
1PH8133-1□B□□	SLM/BLM 400 V	5.2	124	15.5	309	15.0	400	0.88	0.750	0.076	30	6.2	106
Y connection	ALM 400 V	6.5	124	15.5	363	18.5	500	0.89	0.780			5.4	
	SLM/BLM 480 V	7.8	124	15.5	421	21.8	600	0.89	0.810			5.3	
	ALM 480 V	9.1	124	15.5	480	25.2	700	0.89	0.830			5.0	
1PH8133-1□D□□	SLM/BLM 400 V	12.0	115	30	319	35.0	1000	0.88	0.871			10.1	
Y connection	ALM 400 V	13.5	112	29	361	40.1	1150	0.88	0.884			10.7	
	SLM/BLM 480 V	15.0	106	28	417	46.5	1350	0.86	0.904			10.7	
	ALM 480 V	16.6	106	28	459	51.5	1500	0.86	0.900			10.6	
1PH8133-1□F□□	SLM/BLM 400 V	15.0	96	34	342	51.3	1500	0.85	0.899			14.2	
Y connection	ALM 400 V	17.5	96	34	392	59.8	1750	0.85	0.913			13.6	
	SLM/BLM 480 V	20.0	96	34	445	68.2	2000	0.85	0.933			13.5	
	ALM 480 V	22.0	96	34	480	74.8	2200	0.87	0.930			13.6	
1PH8133-1□G□□	SLM/BLM 400 V	20.0	96	45	350	68.1	2000	0.85	0.919			18.1	
Y connection	ALM 400 V	22.5	93	44	400	78.1	2300	0.84	0.933			18.1	
	SLM/BLM 480 V	24.0	86	41	456	89.6	2650	0.83	0.949			18.1	
	ALM 480 V	25.0	85	41	480	94.7	2800	0.83	0.920			18.1	

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8135-1□B□□ Y connection	SLM/BLM 400 V	6.4	153	18	320	15.2	400	0.90	0.740	0.094	30	5.2	125
	ALM 400 V	8.0	153	18	405	18.5	500	0.90	0.780			5.6	
	SLM/BLM 480 V	9.6	153	18	443	21.9	600	0.90	0.810			5.6	
	ALM 480 V	11.2	153	18	500	25.3	700	0.90	0.830			5.3	
1PH8135-1□F□□ Y connection	SLM/BLM 400 V	18.5	118	43	330	51.3	1500	0.85	0.898			18.1	
	ALM 400 V	21.5	117	43	383	59.7	1750	0.85	0.909			18.3	
	SLM/BLM 480 V	24.0	115	43	434	67.9	2000	0.84	0.929			18.1	
	ALM 480 V	26.4	115	43	468	74.7	2200	0.84	0.920			18.3	
1PH8135-1□G□□ Y connection	SML/BLM 400 V	21.5	103	51	323	68.0	2000	0.85	0.912			20.9	
	ALM 400 V	24.0	100	50	370	77.9	2300	0.85	0.919			20.6	
	SML/BLM 480 V	26.0	94	48	424	89.6	2650	0.84	0.923			20.6	
	ALM 480 V	26.0	89	47	440	94.6	2800	0.84	0.924			20.0	
1PH8135-1□S□□ Δ connection	SLM/BLM 400 V	18.5	44	51	364	134.0	4000	0.76	0.912			23.3	
	ALM 400 V	24.5	47	52	425	167.5	5000	0.81	0.939			22.8	
	SLM/BLM 480 V	30.5	49	50	460	201.0	6000	0.86	0.941			20.0	
	ALM 480 V	32.0	44	51	510	235.0	7000	0.85	0.910			20.0	
1PH8135-1□S□□ Y connection	SLM/BLM 400 V	18.5	118	51	283	51.3	1500	0.85	0.901			21.1	
	ALM 400 V	24.5	117	51	372	68.0	2000	0.85	0.917			20.9	
	SLM/BLM 480 V	30.5	117	50	460	84.6	2500	0.85	0.949			20.8	
	ALM 480 V	35.0	111	51	510	102.0	3000	0.88	0.940			20.0	
1PH8137-1□B□□ Y connection	SLM/BLM 400 V	6.9	165	18	323	14.7	400	0.88	0.790	0.109	30	6.7	141
	ALM 400 V	8.6	165	18	391	18.1	500	0.88	0.820			6.7	
	SLM/BLM 480 V	10.3	165	18	458	21.4	600	0.88	0.850			6.8	
	ALM 480 V	11.5	157	17.5	500	24.9	700	0.89	0.860			5.5	
1PH8137-1□D□□ Y connection	SLM/BLM 400 V	17.0	162	43	307	34.8	1000	0.88	0.881			15.1	
	ALM 400 V	19.5	162	43	350	39.9	1150	0.88	0.891			16.1	
	SLM/BLM 480 V	22.0	156	42	404	46.4	1350	0.86	0.902			15.9	
	ALM 480 V	24.0	153	41	447	51.5	1500	0.86	0.890			15.9	
1PH8137-1□F□□ Y connection	SLM/BLM 400 V	22.0	140	56	308	51.3	1500	0.84	0.904			24.2	
	ALM 400 V	25.0	136	56	352	59.6	1750	0.85	0.907			23.1	
	SLM/BLM 480 V	28.0	134	55	401	67.9	2000	0.84	0.931			23.1	
	ALM 480 V	30.0	130	53	440	74.6	2200	0.83	0.920			23.2	
1PH8137-1□G□□ Y connection	SLM/BLM 400 V	28.0	134	60	350	68.1	2000	0.87	0.924			21.5	
	ALM 400 V	29.0	120	56	398	77.9	2300	0.86	0.929			21.9	
	SLM/BLM 480 V	30.0	108	52	460	89.4	2650	0.83	0.941			22.4	
	ALM 480 V	31.0	106	52	494	94.4	2800	0.82	0.920			22.0	
1PH8137-1□S□□ Δ connection	SLM/BLM 400 V	22.0	53	55	383	134.0	4000	0.76	0.907			27.6	
	ALM 400 V	27.5	53	56	425	167.5	5000	0.83	0.919			22.5	
	SLM/BLM 480 V	33.0	53	55	460	201.0	6000	0.87	0.942			20.0	
	ALM 480 V	37.0	50	53	510	235.0	7000	0.87	0.920			20.0	
1PH8137-1□S□□ Y connection	SLM/BLM 400 V	22.0	140	56	308	51.3	1500	0.84	0.902			24.2	
	ALM 400 V	29.0	138	56	400	68.0	2000	0.85	0.931			22.7	
	SLM/BLM 480 V	36.0	138	56	460	84.9	2500	0.89	0.951			17.4	
	ALM 480 V	37.0	118	54	510	101.5	3000	0.89	0.940			16.0	

2.1.4 Shaft height 160 - forced ventilation

Table 2-6 1PH8 shaft height 160, forced ventilation (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8163-1□B□□	SLM/BLM 400 V	9.5	227	30	260	14.3	400	0.91	0.828	0.216	35	8.1	196
Y connection	ALM 400 V	12	229	30	325	17.6	500	0.89	0.819			8.9	
	SLM/BLM 480 V	14.5	231	30	370	21.0	600	0.90	0.851			8.1	
	ALM 480 V	16.9	231	30	427	24.4	700	0.90	0.880			8.1	
1PH8163-1□D□□	SLM/BLM 400 V	22	210	55	300	34.2	1000	0.89	0.909			17.3	
Y connection	ALM 400 V	25	208	55	343	39.2	1150	0.88	0.915			17.5	
	SLM/BLM 480 V	28	198	52	400	45.8	1350	0.88	0.924			17.7	
	ALM 480 V	31.0	197	52	442	50.9	1500	0.88	0.930			17.5	
1PH8163-1□F□□	SLM/BLM 400 V	30	191	71	319	50.8	1500	0.87	0.923			25.6	
Y connection	ALM 400 V	34	186	70	366	59.2	1750	0.87	0.926			24.6	
	SLM/BLM 480 V	37	177	68	416	67.4	2000	0.86	0.932			24.6	
	ALM 480 V	40.7	177	68	456	74.2	2200	0.88	0.940			24.5	
1PH8163-1□G□□	SLM/BLM 400 V	36	172	83	324	67.5	2000	0.88	0.929			28.1	
Y connection	ALM 400 V	38	158	78	370	77.4	2300	0.86	0.935			28.2	
	SLM/BLM 480 V	40	144	76	390	89.2	2650	0.89	0.936			23.1	
	ALM 480 V	42.0	143	75	447	94.1	2800	0.85	0.930			28.1	
1PH8165-1□B□	SLM/BLM 400 V	13	310	36	300	14.1	400	0.86	0.826	0.232	35	14.9	230
Y connection	ALM 400 V	16	306	36	365	17.5	500	0.85	0.830			14.8	
	SLM/BLM 480 V	19	302	35	420	20.8	600	0.88	0.850			12.0	
	ALM 480 V	22.0	300	35	475	24.3	700	0.88	0.900			14.5	
1PH8165-1□D□□	SLM/BLM 400 V	28	267	71	292	34.2	1000	0.89	0.914			22.2	
Y connection	ALM 400 V	31	257	69	333	39.2	1150	0.88	0.921			20.9	
	SLM/BLM 480 V	34	241	66	387	45.8	1350	0.86	0.928			22.5	
	ALM 480 V	37.7	240	65	430	50.8	1500	0.88	0.930			22.5	
1PH8165-1□F□□	SLM/BLM 400 V	37	236	78	350	50.8	1500	0.88	0.926			27.0	
Y connection	ALM 400 V	41	224	76	400	59.1	1750	0.88	0.934			25.8	
	SLM/BLM 480 V	45	215	75	440	67.5	2000	0.89	0.936			23.6	
	ALM 480 V	49.5	215	75	493	74.2	2200	0.88	0.950			25.1	
1PH8165-1□G□□	SLM/BLM 400 V	41	196	88	350	67.4	2000	0.87	0.927			32.4	
Y connection	ALM 400 V	44	183	85	394	77.4	2300	0.86	0.932			31.0	
	SLM/BLM 480 V	50	180	85	440	89.0	2650	0.87	0.932			28.9	
	ALM 480 V	50.0	171	81	483	94.1	2800	0.87	0.940			31.9	

2.1.5 Shaft height 180 - forced ventilation

Table 2-7 1PH8 shaft height 180, degree of protection IP55, forced ventilation (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8184-1□B□□	SLM/BLM 400 V	16.3	389	49	271	14.1	400	0.85	0.834	0.489	22	23	350
Y connection	ALM 400 V	20.5	392	49	335	17.4	500	0.84	0.861			23	
	SLM/BLM 480 V	25	398	49	410	20.7	600	0.81	0.882			26	
	ALM 480 V	29	396	49	475	24.0	700	0.81	0.895			26	
1PH8184-1□C□□	SLM/BLM 400 V	27	368	65	320	24.0	700	0.84	0.889			30	
Y connection	ALM 400 V	31	370	65	365	27.4	800	0.84	0.901			30	
	SLM/BLM 480 V	39	372	65	460	34.0	1000	0.82	0.917			32	
	ALM 480 V	42	365	64	500	37.3	1100	0.82	0.923			32	
1PH8184-1□D□□	SLM/BLM 400 V	39	372	87	340	34.0	1000	0.83	0.920			42	
Y connection	ALM 400 V	44	365	86	390	39.0	1150	0.82	0.928			42	
	SLM/BLM 480 V	50	354	84	450	45.7	1350	0.82	0.936			41	
	ALM 480 V	53	337	80	500	50.6	1500	0.81	0.940			42	
1PH8184-1□F□□	SLM/BLM 400 V	51	325	116	335	50.6	1500	0.80	0.940			63	
Y connection	ALM 400 V	60	327	120	390	58.9	1750	0.79	0.944			64	
	SLM/BLM 480 V	68	325	118	450	67.2	2000	0.78	0.947			65	
	ALM 480 V	68	295	110	500	73.8	2200	0.75	0.948			68	
1PH8184-1□L□□	SLM/BLM 400 V	78	298	166	340	84.0	2500	0.84	0.952			75	
Y connection	ALM 400 V	81	267	152	395	97.3	2900	0.82	0.952			76	
	SLM/BLM/ALM 480 V	65	183	120	460	113.7	3400	0.72	0.944			77	
1PH8186-1□B□□	SLM/BLM 400 V	21.2	506	65	268	13.9	400	0.83	0.850	0.652	25	34	422
Y connection	ALM 400 V	26.5	506	65	335	17.2	500	0.80	0.875			36	
	SLM/BLM 480 V	32	509	66	400	20.6	600	0.79	0.892			37	
	ALM 480 V	37	505	65	470	23.9	700	0.77	0.904			39	
1PH8186-1□C□□	SLM/BLM 400 V	35	478	83	330	23.9	700	0.81	0.909			44	
Y connection	ALM 400 V	40	478	83	360	27.3	800	0.84	0.916			41	
	SLM/BLM 480 V	50	478	83	450	33.9	1000	0.83	0.929			42	
	ALM 480 V	55	478	83	500	37.3	1100	0.82	0.934			43	
1PH8186-1□D□□	SLM/BLM 400 V	51	487	112	340	34.0	1000	0.83	0.926			56	
Y connection	ALM 400 V	58	482	112	390	38.9	1150	0.82	0.933			57	
	SLM/BLM 480 V	67	474	112	450	45.6	1350	0.82	0.939			55	
	ALM 480 V	73	465	110	500	50.6	1500	0.82	0.943			56	
1PH8186-1□F□□	SLM/BLM 400 V	74	471	166	330	50.6	1500	0.83	0.945			82	
Y connection	ALM 400 V	85	464	164	385	58.9	1750	0.82	0.949			83	
	SLM/BLM 480 V	94	449	160	445	67.2	2000	0.80	0.952			86	
	ALM 480 V	94	408	140	490	74.1	2200	0.84	0.948			63	
1PH8186-1□L□□	SLM/BLM 400 V	106	405	230	335	83.9	2500	0.84	0.955			107	
Y connection	ALM 400 V	101	333	198	385	97.2	2900	0.80	0.954			106	
	SLM/BLM/ALM 480 V	81	228	158	455	113.7	3400	0.69	0.943			109	

2.1.6 Shaft height 180 - forced ventilation (open-circuit ventilation)

Table 2-8 1PH8 shaft height 180, degree of protection IP23, forced ventilation, open-circuit ventilation (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8184-1□B□□	SLM/BLM 400 V	24.5	585	67	300	14.3	400	0.88	0.801	0.489	26	25	350
Y connection	ALM 400 V	30	573	65	370	17.6	500	0.86	0.840			27	
	SLM/BLM 480 V	36	573	64	440	20.9	600	0.85	0.863			28	
	ALM 480 V	42	573	65	500	24.2	700	0.85	0.877			27	
1PH8184-1□C□□	SLM/BLM 400 V	40	546	94	320	24.5	700	0.90	0.852			27	
Y connection	ALM 400 V	45	537	91	365	27.8	800	0.90	0.872			28	
	SLM/BLM 480 V	57	544	90	460	34.4	1000	0.89	0.896			30	
	ALM 480 V	62	538	89	500	37.7	1100	0.88	0.921			30	
1PH8184-1□D□□	SLM/BLM 400 V	57	544	120	340	34.4	1000	0.89	0.899			39	
Y connection	ALM 400 V	65	540	120	390	39.4	1150	0.88	0.911			39	
	SLM/BLM 480 V	74	523	118	450	46.0	1350	0.88	0.922			39	
	ALM 480 V	76	484	108	500	50.9	1500	0.87	0.931			40	
1PH8184-1□F□□	SLM/BLM 400 V	76	484	162	335	50.9	1500	0.87	0.931			61	
Y connection	ALM 400 V	89	486	162	390	59.3	1750	0.87	0.937			61	
	SLM/BLM 480 V	98	468	156	450	67.5	2000	0.85	0.943			63	
	ALM 480 V	98	425	144	500	74.1	2200	0.83	0.947			66	
1PH8184-1□L□□	SLM/BLM 400 V	100	382	205	340	84.2	2500	0.87	0.949			74	
Y connection	ALM 400 V	113	372	200	395	97.5	2900	0.87	0.952			75	
	SLM/BLM/ALM 480 V	113	317	176	460	114.1	3400	0.85	0.953			75	
1PH8186-1□B□□	SLM/BLM 400 V	31.5	752	88	290	14.2	400	0.87	0.822	0.652	29	37	422
Y connection	ALM 400 V	40	764	88	355	17.5	500	0.87	0.850			38	
	SLM/BLM 480 V	48	764	88	430	20.8	600	0.84	0.874			41	
	ALM 480 V	56	764	88	500	24.1	700	0.83	0.889			43	
1PH8186-1□C□□	SLM/BLM 400 V	52	709	116	330	24.3	700	0.89	0.885			41	
Y connection	ALM 400 V	60	716	120	360	27.7	800	0.90	0.891			38	
	SLM/BLM 480 V	74	707	116	450	34.3	1000	0.89	0.912			39	
	ALM 480 V	80	695	114	500	37.6	1100	0.88	0.921			41	
1PH8186-1□D□□	SLM/BLM 400 V	74	707	156	340	34.3	1000	0.89	0.908			53	
Y connection	ALM 400 V	85	706	154	390	39.3	1150	0.89	0.918			54	
	SLM/BLM 480 V	98	693	152	450	45.9	1350	0.89	0.928			53	
	ALM 480 V	105	669	148	500	50.9	1500	0.88	0.935			54	
1PH8186-1□F□□	SLM/BLM 400 V	108	688	225	330	50.9	1500	0.89	0.936			79	
Y connection	ALM 400 V	125	682	225	385	59.2	1750	0.88	0.942			80	
	SLM/BLM 480 V	135	645	210	445	67.5	2000	0.87	0.948			83	
	ALM 480 V	135	586	196	490	74.1	2200	0.85	0.952			85	
1PH8186-1□L□□	SLM/BLM 400 V	130	497	270	335	84.1	2500	0.87	0.954			105	
Y connection	ALM 400 V	150	494	270	385	97.4	2900	0.87	0.955			105	
	SLM/BLM/ALM 480 V	130	365	210	455	113.9	3400	0.82	0.954			108	

2.1.7 Shaft height 225 - forced ventilation

Table 2-9 1PH8 shaft height 225, degree of protection IP55, forced ventilation (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8224-1□B□□	SLM/BLM 400 V	30.4	726	86	268	13.9	400	0.87	0.872	1.48	49	34	610
Y connection	ALM 400 V	38	726	85	335	17.2	500	0.86	0.896			36	
	SLM/BLM 480 V	45	716	83	405	20.5	600	0.85	0.912			37	
	ALM 480 V	52	709	82	470	23.9	700	0.84	0.923			37	
1PH8224-1□C□□	SLM/BLM 400 V	55	750	136	310	23.8	700	0.82	0.925			67	
Y connection	ALM 400 V	57	681	126	350	27.1	800	0.80	0.934			67	
	SLM/BLM 480 V	71	678	126	425	33.8	1000	0.81	0.943			64	
	ALM 480 V	78	677	126	470	37.1	1100	0.80	0.946			65	
1PH8224-1□D□□	SLM/BLM 400 V	71	678	158	335	33.8	1000	0.82	0.942			77	
Y connection	ALM 400 V	81	673	156	385	38.8	1150	0.82	0.946			78	
	SLM/BLM 480 V	92	651	154	450	45.5	1350	0.81	0.951			78	
	ALM 480 V	92	586	142	500	50.4	1500	0.78	0.953			79	
1PH8224-1□F□□	SLM/BLM 400 V	95	605	200	340	50.5	1500	0.85	0.953			87	
Y connection	ALM 400 V	110	600	198	395	58.9	1750	0.85	0.956			87	
	SLM/BLM 480 V	124	592	196	460	67.2	2000	0.83	0.957			90	
	ALM 480 V	110	478	168	500	73.7	2200	0.79	0.957			90	
1PH8224-1□L□□	SLM/BLM 400 V	142	542	295	340	83.9	2500	0.86	0.958			113	
Y connection	ALM 400 V	149	491	270	395	97.2	2900	0.85	0.957			115	
	SLM/BLM/ALM 480 V	85	239	168	460	113.6	3400	0.68	0.934			115	
1PH8226-1□B□□	SLM/BLM 400 V	39.2	936	112	264	13.9	400	0.87	0.887	1.93	52	46	740
Y connection	ALM 400 V	49	936	110	330	17.2	500	0.86	0.908			48	
	SLM/BLM 480 V	59	939	110	395	20.5	600	0.85	0.921			49	
	ALM 480 V	68	928	108	465	23.8	700	0.84	0.931			51	
1PH8226-1□C□□	SLM/BLM 400 V	68	928	162	310	23.8	700	0.84	0.932			76	
Y connection	ALM 400 V	73	872	154	350	27.1	800	0.83	0.940			75	
	SLM/BLM 480 V	92	879	156	440	33.8	1000	0.82	0.948			77	
	ALM 480 V	101	877	154	500	37.1	1100	0.80	0.951			83	
1PH8226-1□D□□	SLM/BLM 400 V	92	879	194	340	33.8	1000	0.85	0.944			86	
Y connection	ALM 400 V	105	872	192	390	38.8	1150	0.85	0.949			86	
	SLM/BLM 480 V	120	849	188	460	45.5	1350	0.84	0.954			88	
	ALM 480 V	120	764	174	500	50.4	1500	0.83	0.957			85	
1PH8226-1□F□□	SLM/BLM 400 V	130	828	270	340	50.5	1500	0.85	0.957			119	
Y connection	ALM 400 V	135	737	250	395	58.8	1750	0.83	0.960			119	
	SLM/BLM 480 V	153	731	245	450	67.1	2000	0.83	0.961			119	
	ALM 480 V	130	564	205	500	73.7	2200	0.76	0.958			123	
1PH8226-1□L□□	SLM/BLM 400 V	168	642	350	335	83.8	2500	0.86	0.961			151	
Y connection	ALM 400 V	185	609	335	390	97.1	2900	0.85	0.960			152	
	SLM/BLM/ALM 480 V	90	253	205	460	113.5	3400	0.60	0.926			156	

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8228-1□B□□	SLM/BLM 400 V	48	1146	132	272	13.8	400	0.86	0.896	2.33	55	58	870
Y connection	ALM 400 V	60	1146	132	340	17.2	500	0.85	0.914			59	
	SLM/BLM 480 V	72	1146	130	410	20.5	600	0.84	0.927			62	
	ALM 480 V	84	1146	130	480	23.8	700	0.83	0.935			63	
1PH8228-1□C□□	SLM/BLM 400 V	82	1119	188	315	23.8	700	0.86	0.933			80	
Y connection	ALM 400 V	92	1098	182	360	27.2	800	0.86	0.941			80	
	SLM/BLM V	115	1098	182	450	33.8	1000	0.85	0.949			82	
	ALM 480 V	126	1094	182	500	37.1	1100	0.84	0.952			84	
1PH8228-1□D□□	SLM/BLM 400 V	113	1079	235	340	33.9	1000	0.87	0.948			97	
Y connection	ALM 400 V	129	1071	235	390	38.8	1150	0.86	0.953			97	
	SLM/BLM 480 V	147	1040	225	460	45.5	1350	0.86	0.957			99	
	ALM 480 V	147	936	210	500	50.5	1500	0.85	0.960			96	
1PH8228-1□F□□	SLM/BLM 400 V	160	1019	340	340	50.4	1500	0.83	0.959			170	
Y connection	ALM 400 V	179	977	330	395	58.7	1750	0.82	0.961			170	
	SLM/BLM 480 V	196	936	325	450	67.1	2000	0.81	0.962			169	
	ALM 480 V	170	738	275	500	73.6	2200	0.74	0.959			174	
1PH8228-1□L□□	SLM/BLM 400 V	205	783	420	340	83.8	2500	0.86	0.963			181	
Y connection	ALM 400 V	215	708	390	395	97.1	2900	0.84	0.961			183	
	SLM/BLM/ALM 480 V	95	267	225	460	113.5	3400	0.57	0.922			183	

2.1.8 Shaft height 225 - forced ventilation (open-circuit ventilation)

Table 2-10 1PH8 shaft height 225, degree of protection IP23, forced ventilation, open-circuit ventilation (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8224-1□B□□	SLM/BLM 400 V	45	1074	114	300	14.1	400	0.89	0.849	1.48	21	39	610
Y connection	ALM 400 V	55	1051	112	370	17.4	500	0.88	0.878			41	
	SLM/BLM 480 V	67	1066	118	410	20.9	600	0.90	0.883			35	
	ALM 480 V	67	914	98	500	24.0	700	0.86	0.914			41	
1PH8224-1□C□□	SLM/BLM 400 V	80	1091	188	310	24.1	700	0.88	0.904			63	
Y connection	ALM 400 V	90	1074	184	350	27.4	800	0.88	0.914			63	
	SLM/BLM 480 V	105	1003	174	425	34.1	1000	0.88	0.929			61	
	ALM 480 V	105	912	160	470	37.3	1100	0.86	0.938			63	
1PH8224-1□D□□	SLM/BLM 400 V	105	1003	220	335	34.1	1000	0.88	0.926			73	
Y connection	ALM 400 V	120	997	220	385	39.1	1150	0.88	0.934			74	
	SLM/BLM 480 V	137	969	215	450	45.7	1350	0.87	0.941			75	
	ALM 480 V	137	872	194	500	50.6	1500	0.86	0.947			77	
1PH8224-1□F□□	SLM/BLM 400 V	142	904	290	340	50.8	1500	0.89	0.942			84	
Y connection	ALM 400 V	165	900	285	395	59.2	1750	0.89	0.946			84	
	SLM/BLM 480 V	178	850	265	460	67.4	2000	0.88	0.952			88	
	ALM 480 V	178	773	250	500	74.0	2200	0.87	0.954			88	
1PH8224-1□L□□	SLM/BLM 400 V	178	680	355	340	84.1	2500	0.89	0.954			112	
Y connection	ALM 400 V	205	675	355	395	97.4	2900	0.89	0.955			113	
	SLM/BLM/ALM 480 V	205	576	310	460	114.0	3400	0.87	0.954			113	
1PH8226-1□B□□	SLM/BLM 400 V	57	1361	144	305	13.9	400	0.86	0.875	1.93	23	61	740
Y connection	ALM 400 V	72	1375	144	375	17.3	500	0.86	0.895			60	
	SLM/BLM 480 V	87	1385	152	410	20.8	600	0.90	0.899			49	
	ALM 480 V	87	1187	128	500	23.9	700	0.85	0.924			58	
1PH8226-1□C□□	SLM/BLM 400 V	106	1446	240	310	24.2	700	0.90	0.907			71	
Y connection	ALM 400 V	118	1409	235	350	27.5	800	0.90	0.918			71	
	SLM/BLM 480 V	146	1394	230	440	34.1	1000	0.89	0.932			74	
	ALM 480 V	146	1268	205	500	37.3	1100	0.87	0.942			81	
1PH8226-1□D□□	SLM/BLM 400 V	135	1289	275	340	34.1	1000	0.90	0.929			82	
Y connection	ALM 400 V	155	1287	270	390	39.1	1150	0.90	0.936			83	
	SLM/BLM 480 V	172	1217	255	460	45.7	1350	0.89	0.945			85	
	ALM 480 V	172	1095	240	500	50.7	1500	0.88	0.950			83	
1PH8226-1□F□□	SLM/BLM 400 V	175	1114	350	340	50.7	1500	0.89	0.950			117	
Y connection	ALM 400 V	200	1091	350	390	59.0	1750	0.89	0.954			114	
	SLM/BLM 480 V	220	1051	335	450	67.3	2000	0.88	0.957			117	
	ALM 480 V	220	955	305	500	73.9	2200	0.87	0.959			120	
1PH8226-1□L□□	SLM/BLM 400 V	235	898	475	335	84.0	2500	0.89	0.957			149	
Y connection	ALM 400 V	270	889	470	390	97.3	2900	0.89	0.958			150	
	SLM/BLM/ALM 480 V	270	758	405	460	113.9	3400	0.87	0.957			153	

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm^2	T_{th} min	I_{μ} A	m kg
1PH8228-1□B□□	SLM/BLM 400 V	72	1719	176	305	14.0	400	0.88	0.878	2.33	25	69	870
Y connection	ALM 400 V	90	1719	174	380	17.3	500	0.87	0.899			73	
	SLM/BLM 480 V	108	1719	188	410	20.8	600	0.90	0.902			57	
	ALM 480 V	108	1473	156	500	23.9	700	0.86	0.926			67	
1PH8228-1□C□□	SLM/BLM 400 V	120	1637	265	315	24.1	700	0.91	0.91			75	
Y connection	ALM 400 V	135	1612	260	360	27.4	800	0.91	0.922			77	
	SLM/BLM 480 V	165	1576	250	450	34.1	1000	0.90	0.936			79	
	ALM 480 V	165	1433	225	500	37.3	1100	0.89	0.944			82	
1PH8228-1□D□□	SLM/BLM 400 V	165	1576	330	340	34.1	1000	0.91	0.933			93	
Y connection	ALM 400 V	190	1578	330	390	39.1	1150	0.91	0.940			94	
	SLM/BLM 480 V	218	1542	320	460	45.7	1350	0.90	0.947			96	
	ALM 480 V	218	1388	295	500	50.7	1500	0.90	0.952			94	
1PH8228-1□F□□	SLM/BLM 400 V	230	1464	465	340	50.6	1500	0.88	0.953			166	
Y connection	ALM 400 V	265	1446	460	390	59.0	1750	0.89	0.956			162	
	SLM/BLM 480 V	288	1375	440	450	67.3	2000	0.88	0.959			166	
	ALM 480 V	288	1250	405	500	73.9	2200	0.86	0.960			171	
1PH8228-1□L□□	SLM/BLM 400 V	265	1012	530	340	83.9	2500	0.89	0.960			180	
Y connection	ALM 400 V	300	988	510	395	97.3	2900	0.89	0.960			182	
	SLM/BLM/ALM 480 V	300	843	450	460	113.8	3400	0.87	0.958			181	

2.1.9 Shaft height 280 - forced ventilation

Table 2-11 1PH8 shaft height 280, degree of protection IP55, forced ventilation (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8284-1□B1□	SLM/BLM 400 V	63	1504	154	325	13.6	400	0.79	0.924	4.20	47	86	1200
Δ connection	ALM 400 V	80	1529	154	395	17.0	500	0.81	0.935			81	
	SLM/BLM 480 V	95	1519	154	460	20.3	600	0.82	0.943			77	
	ALM 480 V	105	1433	150	500	23.7	700	0.85	0.948			66	
1PH8284-1□C1□	SLM/BLM 400 V	110	1501	240	330	23.7	700	0.85	0.947			106	
Δ connection	ALM 400 V	125	1492	235	400	27.0	800	0.81	0.952			124	
	SLM/BLM 480 V	150	1433	230	455	33.7	1000	0.86	0.957			101	
	ALM 480 V	155	1346	220	500	37.0	1100	0.84	0.959			102	
1PH8284-1□D1□	SLM/BLM 400 V	150	1433	315	335	33.7	1000	0.85	0.958			143	
Δ connection	ALM 400 V	170	1414	310	400	38.6	1150	0.82	0.960			157	
	SLM/BLM 480 V	200	1416	315	460	45.3	1350	0.83	0.962			151	
	ALM 480 V	200	1273	290	500	50.3	1500	0.82	0.963			145	
1PH8284-1□F1□	SLM/BLM 400 V	196	1248	390	345	50.4	1500	0.87	0.963			162	
Δ connection	ALM 400 V	225	1228	390	400	58.7	1750	0.86	96.4			162	
	SLM/BLM 480 V	255	1218	390	455	67.0	2000	0.86	0.965			162	
	ALM 480 V	230	998	330	500	73.6	2200	0.83	0.963			163	
1PH8284-1□H1□	BLM 690 V	61	1456	82	555	13.7	400	0.84	0.920			39	
Y connection	ALM 690 V	77	1471	82	690	17.0	500	0.84	0.932			39	
1PH8284-1□K1□	BLM 690 V	100	1364	118	605	23.7	700	0.85	0.945			53	
Y connection	ALM 690 V	115	1373	120	690	27.0	800	0.85	0.950			53	
1PH8284-1□U1□	BLM 690 V	143	1366	176	600	33.6	1000	0.82	0.956			89	
Y connection	ALM 690 V	164	1362	174	690	38.6	1150	0.82	0.959			90	
1PH8284-1□W1□	BLM 690 V	186	1184	220	590	50.3	1500	0.86	0.962			92	
Y connection	ALM 690 V	217	1184	220	690	58.7	1750	0.86	0.963			93	

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8286-1□B1□	SLM/BLM 400 V	80	1910	186	325	13.6	400	0.82	0.928	5.20	50	98	1400
Δ connection	ALM 400 V	100	1909	188	400	17.0	500	0.82	0.939			96	
	SLM/BLM 480 V	120	1916	188	460	20.3	600	0.85	0.945			88	
	ALM 480 V	132	1801	184	500	23.7	700	0.87	0.950			76	
1PH8286-1□C1□	SLM/BLM 400 V	138	1883	295	325	23.7	700	0.87	0.949			121	
Δ connection	ALM 400 V	155	1850	285	385	27.0	800	0.85	0.955			133	
	SLM/BLM 480 V	185	1767	280	460	33.7	1000	0.86	0.960			122	
	ALM 480 V	191	1658	270	500	37.0	1100	0.85	0.962			120	
1PH8286-1□D1□	SLM/BLM 400 V	182	1738	410	330	33.6	1000	0.81	0.960			215	
Δ connection	ALM 400 V	210	1745	410	380	38.6	1150	0.81	0.962			217	
	SLM/BLM 480 V	245	1733	410	445	45.3	1350	0.81	0.963			217	
	ALM 480 V	245	1560	380	495	50.3	1500	0.78	0.963			219	
1PH8286-1□F1□	SLM/BLM 400 V	250	1592	490	345	50.4	1500	0.89	0.965			182	
Δ connection	ALM 400 V	270	1474	460	400	58.7	1750	0.88	0.966			183	
	SLM/BLM 480 V	310	1481	460	455	67.0	2000	0.88	0.967			182	
	ALM 480 V	279	1211	395	500	73.6	2200	0.85	0.965			183	
1PH8286-1□H1□	BLM 690 V	77	1838	100	555	13.7	400	0.87	0.921			43	
Y connection	ALM 690 V	96	1834	100	690	17.0	500	0.86	0.934			43	
1PH8286-1□K1□	BLM 690 V	127	1733	158	605	23.6	700	0.81	0.951			83	
Y connection	ALM 690 V	145	1731	158	690	26.9	800	0.81	0.954			83	
1PH8286-1□U1□	BLM 690 V	176	1681	230	570	33.6	1000	0.81	0.959			124	
Y connection	ALM 690 V	203	1686	230	655	38.6	1150	0.81	0.961			124	
1PH8286-1□W1□	BLM 690 V	224	1426	260	590	50.3	1500	0.88	0.965			104	
Y connection	ALM 690 V	261	1424	260	690	58.7	1750	0.87	0.966			105	

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8288-1□B1□	SLM/BLM 400 V	103	2459	245	325	13.6	400	0.80	0.931	6.30	53	136	1650
Δ connection	ALM 400 V	130	2481	245	395	17.0	500	0.82	0.941			127	
	SLM/BLM 480 V	155	2474	245	460	20.3	600	0.84	0.948			121	
	ALM 480 V	165	2251	230	500	23.7	700	0.86	0.953			104	
1PH8288-1□C1□	SLM/BLM 400 V	166	2265	365	325	23.6	700	0.85	0.953			171	
Δ connection	ALM 400 V	190	2268	365	370	27.0	800	0.85	0.957			171	
	SLM/BLM 480 V	230	2197	355	460	33.6	1000	0.84	0.962			172	
	ALM 480 V	238	2066	345	500	37.0	1100	0.83	0.963			168	
1PH8288-1□D1□	SLM/BLM 400 V	226	2158	495	335	33.6	1000	0.82	0.962			252	
Δ connection	ALM 400 V	260	2160	495	385	38.6	1150	0.82	0.964			253	
	SLM/BLM 480 V	305	2158	495	450	45.3	1350	0.82	0.965			251	
	ALM 480 V	305	1942	455	500	50.3	1500	0.80	0.965			253	
1PH8288-1□F1□	SLM/BLM 400 V	320	2037	620	345	50.4	1500	0.89	0.966			233	
Δ connection	ALM 400 V	340	1856	580	400	58.7	1750	0.88	0.967			233	
	SLM/BLM 480 V	385	1838	570	455	67.0	2000	0.88	0.967			232	
	ALM 480 V	347	1506	495	500	73.6	2200	0.84	0.966			233	
1PH8288-1□H1□	BLM 690 V	100	2388	130	555	13.7	400	0.87	0.924			55	
Y connection	ALM 690 V	125	2388	128	690	17.0	500	0.87	0.937			56	
1PH8288-1□K1□	BLM 690 V	162	2210	186	605	23.7	700	0.88	0.949			75	
Y connection	ALM 690 V	185	2208	184	690	27.0	800	0.88	0.953			76	
1PH8288-1□U1□	BLM 690 V	218	2082	275	580	33.6	1000	0.82	0.961			145	
Y connection	ALM 690 V	251	2084	275	665	38.6	1150	0.82	0.963			145	
1PH8288-1□W1□	BLM 690 V	282	1795	325	590	50.3	1500	0.88	0.966			133	
Y connection	ALM 690 V	329	1795	325	690	58.7	1750	0.87	0.967			134	

2.1.10 Shaft height 280 - forced ventilation (open-circuit ventilation)

Table 2-12 1PH8 shaft height 280, degree of protection IP23, forced ventilation, open-circuit ventilation (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8284-1□C4□	SLM/BLM 400 V	171	2333	355	330	23.9	700	0.91	0.930	4.20	18	101	1200
Δ connection	ALM 400 V	195	2328	335	400	27.2	800	0.89	0.942			117	
	SLM/BLM 480 V	235	2244	345	455	33.9	1000	0.91	0.946			97	
	ALM 480 V	250	2170	335	500	37.2	1100	0.90	0.951			98	
1PH8284-1□D4□	SLM/BLM 400 V	243	2321	490	335	33.9	1000	0.90	0.947			137	
Δ connection	ALM 400 V	280	2325	475	400	38.9	1150	0.89	0.953			150	
	SLM/BLM 480 V	325	2299	475	460	45.5	1350	0.90	0.957			146	
	ALM 480 V	325	2069	440	500	50.5	1500	0.89	0.960			140	
1PH8284-1□F4□	SLM/BLM 400 V	319	2031	620	345	50.6	1500	0.91	0.957			157	
Δ connection	ALM 400 V	370	2019	610	400	58.9	1750	0.91	0.960			158	
	SLM/BLM 480 V	415	1981	600	455	67.3	2000	0.91	0.962			157	
	ALM 480 V	394	1710	520	500	73.8	2200	0.90	0.964			159	
1PH8284-1□K4□	BLM 690 V	162	2210	184	605	23.9	700	0.91	0.927			50	
Y connection	ALM 690 V	185	2208	182	690	27.2	800	0.91	0.934			51	
1PH8284-1□U4□	BLM 690 V	236	2254	265	600	33.9	1000	0.90	0.947			85	
Y connection	ALM 690 V	272	2255	270	690	38.9	1150	0.89	0.951			86	
1PH8284-1□W4□	BLM 690 V	307	1955	345	590	50.6	1500	0.91	0.956			89	
Y connection	ALM 690 V	359	1959	345	690	58.9	1750	0.91	0.959			91	
1PH8286-1□C4□	SLM/BLM 400 V	219	2988	455	325	23.9	700	0.92	0.931	5.20	20	115	1400
Δ connection	ALM 400 V	250	2984	435	385	27.2	800	0.91	0.942			126	
	SLM/BLM 480 V	310	2961	450	460	33.9	1000	0.91	0.948			117	
	ALM 480 V	330	2865	440	500	37.2	1100	0.91	0.952			115	
1PH8286-1□D4□	SLM/BLM 400 V	309	2951	630	330	33.8	1000	0.90	0.952			207	
Δ connection	ALM 400 V	355	2944	630	380	38.8	1150	0.89	0.956			209	
	SLM/BLM 480 V	410	2901	620	445	45.5	1350	0.89	0.960			210	
	ALM 480 V	410	2610	560	495	50.4	1500	0.88	0.963			214	
1PH8286-1□F4□	SLM/BLM 400 V	382	2432	730	345	50.6	1500	0.92	0.959			177	
Δ connection	ALM 400 V	445	2429	730	400	58.9	1750	0.92	0.962			178	
	SLM/BLM 480 V	500	2387	720	455	67.2	2000	0.92	0.963			178	
	ALM 480 V	475	2062	620	500	73.8	2200	0.91	0.966			180	
1PH8286-1□K4□	BLM 690 V	210	2865	235	605	23.8	700	0.90	0.938			79	
Y connection	ALM 690 V	240	2865	235	690	27.2	800	0.90	0.944			79	
1PH8286-1□U4□	BLM 690 V	299	2855	355	570	33.8	1000	0.89	0.952			119	
Y connection	ALM 690 V	344	2860	355	655	38.8	1150	0.89	0.956			119	
1PH8286-1□W4□	BLM 690 V	370	2356	410	590	50.6	1500	0.92	0.958			101	
Y connection	ALM 690 V	432	2356	410	690	58.9	1750	0.92	0.961			102	

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	m kg
1PH8288-1□C4□	SLM/BLM 400 V	272	3711	570	325	23.9	700	0.91	0.939	6.30	22	161	1650
Δ connection	ALM 400 V	310	3701	560	370	27.2	800	0.91	0.945			164	
	SLM/BLM 480 V	385	3677	560	460	33.9	1000	0.91	0.953			164	
	ALM 480 V	405	3516	540	500	37.2	1100	0.91	0.956			162	
1PH8288-1□D4□	SLM/BLM 400 V	379	3619	760	335	33.8	1000	0.90	0.955			242	
Δ connection	ALM 400 V	435	3607	760	385	38.8	1150	0.90	0.958			244	
	SLM/BLM 480 V	505	3573	750	450	45.5	1350	0.90	0.962			243	
	ALM 480 V	505	3215	680	500	50.4	1500	0.89	0.965			247	
1PH8288-1□F4□	SLM/BLM 400 V	480	3056	910	345	50.6	1500	0.92	0.961			229	
Δ connection	ALM 400 V	560	3055	910	400	58.9	1750	0.92	0.963			228	
	SLM/BLM 480 V	630	3009	900	455	67.2	2000	0.92	0.965			230	
	ALM 480 V	599	2600	790	500	73.8	2200	0.91	0.967			230	
1PH8288-1□K4□	BLM 690 V	263	3588	295	605	23.9	700	0.92	0.929			71	
Y connection	ALM 690 V	300	3581	290	690	27.3	800	0.92	0.936			72	
1PH8288-1□U4□	BLM 690 V	367	3505	425	580	33.8	1000	0.90	0.954			140	
Y connection	ALM 690 V	422	3504	425	665	38.8	1150	0.90	0.958			140	
1PH8288-1□W4□	BLM 690 V	465	2961	520	590	50.5	1500	0.92	0.960			130	
Y connection	ALM 690 V	543	2964	510	690	58.9	1750	0.92	0.963			131	

2.1.11 Overload factors for intermittent duty types (S6) and short-time duty (S2)

The specified overload factors for intermittent duty types (S6) and for short-time duty (S2) are based on the S1 characteristic (continuous operation) of the relevant motor.

Table 2-13 S6/S2 overload factors for forced-ventilated asynchronous motors (IP55)

Motor type	Overload factors			
	S6 - 60%	S6 - 40%	S6 - 25%	S2 - 30 min
1PH808□-1□□0/1	1.20	1.50	1.90	1.20
1PH810□-1□□0/1	1.20	1.50	1.90	1.20
1PH813□-1□□0/1	1.20	1.50	1.90	1.20
1PH816□-1□□0/1	1.20	1.50	1.90	1.20
1PH8184-1□□0/1	1.23	1.47	1.74	1.16
1PH8186-1□□0/1	1.25	1.49	1.79	1.20
1PH8224-1□□0/1	1.23	1.47	1.70	1.48
1PH8226-1□□0/1	1.23	1.47	1.70	1.51
1PH8228-1□□0/1	1.23	1.47	1.70	1.54
1PH8284-1□□0/1	1.23	1.47	1.76	1.46
1PH8286-1□□0/1	1.23	1.47	1.76	1.49
1PH8288-1□□0/1	1.23	1.47	1.76	1.52

Table 2-14 S6/S2 overload factors for forced-ventilated asynchronous motors, open-circuit ventilation (IP23)

Motor type	Overload factors			
	S6 - 60%	S6 - 40%	S6 - 25%	S2 - 30 min
1PH8184-1□□3/4	1.23	1.47	1.74	1.21
1PH8186-1□□3/4	1.25	1.49	1.79	1.25
1PH8224-1□□3/4	1.23	1.47	1.70	1.15
1PH8226-1□□3/4	1.23	1.47	1.70	1.17
1PH8228-1□□3/4	1.23	1.47	1.70	1.20
1PH8284 -1□□4	1.23	1.47	1.76	1.11
1PH8286 -1□□4	1.23	1.47	1.76	1.14
1PH8288 -1□□4	1.23	1.47	1.76	1.16

2.1.12 Shaft height 80 - water-cooled

Table 2-15 1PH8 shaft height 80, water cooling (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm^2	T_{th} min	I_{μ} A	P_cool kW	m kg
1PH8083-1□F2□ Y connection	SLM/BLM 400 V	3.5	22.3	8.9	357	54.5	1500	0.84	0.784	0.0064	8	3.6	0.7	36
	ALM 400 V	4.0	21.8	8.7	416	62.4	1750	0.82	0.808			4.0		
	SLM/BLM 480 V	4.6	22	8.7	457	71.0	2000	0.83	0.839			3.8		
	ALM 480 V	5.0	21.7	8.7	500	77.4	2200	0.82	0.850			3.8		
1PH8083-1□G2□ Y connection	SLM/BLM 400 V	4.3	20.5	12.0	322	70.4	2000	0.80	0.833			5.9		
	ALM 400 V	4.9	20.3	12.0	362	80.4	2300	0.80	0.846			5.8		
	SLM/BLM 480 V	5.6	20.2	12.0	425	91.8	2650	0.76	0.862			6.5		
	ALM 480 V	6.0	20.5	12.0	450	96.4	2800	0.75	0.870			6.6		
1PH8083-1□N2□ Y connection	SLM/BLM 400 V	6.7	14.2	18.0	347	152.9	4500	0.76	0.877			9.2		
	ALM 400 V	7.5	14.3	18.0	383	169.7	5000	0.76	0.891			9.2		
	SLM/BLM 480 V	8.2	14.2	18.0	430	186.1	5500	0.74	0.909			9.6		
	ALM 480 V	8.9	14.2	18.0	460	203.0	6000	0.75	0.880			9.3		

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	P_cool kW	m kg
1PH8087-1□F2□ Y connection	SLM/BLM 400 V	4.6	29.3	13.7	316	53.3	1500	0.78	0.814	0.0089	8	7.2	1.2	44
	ALM 400 V	5.4	29.5	13.7	358	61.2	1750	0.77	0.831			6.8		
	SLM/BLM 480 V	6.1	29.1	13.7	402	70.0	2000	0.79	0.868			6.8		
	ALM 480 V	6.7	29.1	13.7	435	76.4	2200	0.78	0.860			6.7		
1PH8087-1□G2□ Y connection	SLM/BLM 400 V	6.1	29.1	17.5	312	70.3	2000	0.80	0.843			8.4		
	ALM 400 V	7.0	29.1	17.7	355	80.3	2300	0.79	0.860			8.6		
	SLM/BLM 480 V	8.1	29.2	17.8	400	91.9	2650	0.80	0.871			8.4		
	ALM 480 V	8.5	29	17.8	420	97.0	2800	0.80	0.870			8.5		
1PH8087-1□N2□ Y connection	SLM/BLM 400 V	8.5	18.1	24.0	345	152.5	4500	0.74	0.891			12.4		
	ALM 400 V	9.5	18.2	24.0	380	169.3	5000	0.75	0.894			12.3		
	SLM/BLM 480 V	10.5	18.1	24.0	420	186.0	5500	0.74	0.898			12.4		
	ALM 480 V	11.4	18.1	24.0	450	202.3	6000	0.75	0.890			12.3		

Table 2-16 1PH8 shaft height 80 forced ventilation – Premium Performance (supplementary basic data)

Motor type	J kgm²	T_{th} min	P_cool kW
1PH8081-1□T2□ Y connection	0.0045	8	1.2
1PH8081-1□U2□ Y connection	0.0045	8	1.2
1PH8081-1□W2□ Y connection	0.0045	8	1.2
1PH8081-1□V2□ Y connection	0.0045	8	1.2
1PH8083-1□T2□ Y connection	0.0064	8	1.2
1PH8083-1□U2□ Y connection	0.0064	8	1.2
1PH8087-1□U2□ Y connection	0.0089	8	1.3

2.1.13 Shaft height 100 - water-cooled

Table 2-17 1PH8 shaft height 100, water cooling (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	P_cool kW	m kg
1PH8101-1□F2□ Y connection	SLM/BLM 400 V	5.0	32	12.8	357	53.1	1500	0.81	0.813	0.0138	10	6.0	1.3	51
	ALM 400 V	5.8	32	12.8	400	61.7	1750	0.82	0.834			5.4		
	SLM/BLM 480 V	6.6	32	12.5	450	69.9	2000	0.82	0.858			4.4		
	ALM 480 V	7.2	31	12.5	480	76.6	2200	0.80	0.860			6.0		
1PH8101-1□G2□ Y connection	SLM/BLM 400 V	6.4	31	16.8	335	69.8	2000	0.81	0.857			7.6		
	ALM 400 V	7.3	30	16.8	382	79.7	2300	0.80	0.874			7.8		
	SLM/BLM 480 V	8.4	30	16.8	435	91.4	2650	0.80	0.888			7.7		
	ALM 480 V	8.3	28	16.5	448	96.1	2800	0.76	0.890			7.8		
1PH8103-1□F2□ Y connection	SLM/BLM 400 V	7.1	45	19.7	317	53.0	1500	0.82	0.827	0.0172	10	8.6	1.8	60
	ALM 400 V	8.2	45	19.7	364	61.3	1750	0.82	0.851			8.6		
	SLM/BLM 480 V	9.4	45	19.7	411	69.7	2000	0.82	0.869			8.5		
	ALM 480 V	10.3	45	19.7	430	76.8	2200	0.84	0.860			8.6		
1PH8103-1□G2□ Y connection	SLM/BLM 400 V	9.5	45	23.8	343	69.8	2000	0.82	0.857			10.3		
	ALM 400 V	10.9	45	23.8	392	79.8	2300	0.82	0.883			10.3		
	SLM/BLM 480 V	12.5	45	23.5	454	91.2	2650	0.79	0.904			11.3		
	ALM 480 V	12.8	44	22.5	470	96.2	2800	0.80	0.890			10.7		
1PH8103-1□M2□ Y connection	SLM/BLM 400 V	10.6	34	30.0	309	102.4	3000	0.80	0.900			13.0		
	ALM 400 V	11.7	34	30.0	340	112.4	3300	0.80	0.900			13.2		
	SLM/BLM 480 V	12.7	34	29.7	368	122.5	3600	0.80	0.910			13.0		
	ALM 480 V	13.0	32	29.0	397	132.4	3900	0.79	0.900			13.0		
1PH8105-1□F2□ Y connection	SLM/BLM 400 V	11.0	70	28.5	340	52.8	1500	0.81	0.843	0.0252	10	13.3	2.7	74
	ALM 400 V	12.5	68	28.5	380	60.6	1750	0.81	0.862			12.1		
	SLM/BLM 480 V	14.0	67	27.5	426	69.5	2000	0.82	0.894			11.7		
	ALM 480 V	15.4	67	27.5	458	76.3	2200	0.83	0.880			12.0		
1PH8105-1□G2□ Y connection	SLM/BLM 400 V	13.0	62	34.5	326	69.3	2000	0.81	0.879			15.6		
	ALM 400 V	15.0	62	34.0	370	79.3	2300	0.81	0.891			15.1		
	SLM/BLM 480 V	17.0	61	33.5	424	90.9	2650	0.81	0.911			15.3		
	ALM 480 V	18.0	61	33.5	450	96.0	2800	0.80	0.890			15.6		
1PH8105-1□M2□ Y connection	SLM/BLM 400 V	16.8	53	45.0	324	102.3	3000	0.80	0.900			20.3		
	ALM 400 V	18.5	54	45.0	355	112.4	3300	0.80	0.910			20.2		
	SLM/BLM 480 V	20.0	53	45.0	375	122.5	3600	0.81	0.920			18.6		
	ALM 480 V	21.0	51	43.5	405	132.5	3900	0.81	0.910			18.6		
1PH8107-1□F2□ Y connection	SLM/BLM 400 V	14.0	89	43.7	277	53.3	1500	0.83	0.829	0.0289	10	17.8	3.0	83
	ALM 400 V	15.5	85	42.0	314	61.4	1750	0.83	0.847			17.5		
	SLM/BLM 480 V	18.0	86	42.6	363	69.7	2000	0.81	0.873			19.1		
	ALM 480 V	19.8	86	42.6	381	76.3	2200	0.84	0.880			17.0		
1PH8107-1□M2□ Y connection	SLM/BLM 400 V	18.0	57	60.0	264	102.2	3000	0.80	0.900			26.0		
	ALM 400 V	20.0	58	60.0	290	112.2	3300	0.80	0.900			26.1		
	SLM/BLM 480 V	21.0	56	59.0	315	122.1	3600	0.79	0.910			26.1		
	ALM 480 V	21.6	53	58.0	329	131.9	3900	0.80	0.900			24.5		

2.1.14 Shaft height 132 - water-cooled

Table 2-18 1PH8 shaft height 132, water cooling (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm^2	T_{th} min	I_{μ} A	P_cool kW	m kg
1PH8131-	SLM/BLM 400 V	15.0	96	30	380	52.3	1500	0.89	0.883	0.059	12	9.2	2.6	105
1□F2□	ALM 400 V	17.0	93	30	425	60.6	1750	0.89	0.897			8.2		
Y connection	SLM/BLM 480 V	18.5	88	30	460	68.7	2000	0.90	0.912			7.2		
	ALM 480 V	20.0	87	29	500	75.9	2200	0.90	0.910			7.2		
1PH8131-	SLM/BLM 400 V	18.0	86	40	352	69.1	2000	0.85	0.908			15.5		
1□G2□	ALM 400 V	20.0	83	39	400	78.4	2300	0.85	0.920			15.4		
Y connection	SLM/BLM 480 V	23.0	83	39	458	90.1	2650	0.85	0.938			15.4		
	ALM 480 V	24.0	82	39	472	95.2	2800	0.86	0.920			15.0		
1PH8133-	SLM/BLM 400 V	17.0	108	38	345	51.5	1500	0.86	0.883	0.076	12	14.2	2.8	123
1□F2□	ALM 400 V	19.5	106	38	403	59.9	1750	0.85	0.913			14.9		
Y connection	SLM/BLM 480 V	22.5	107	38	452	68.2	2000	0.86	0.938			14.4		
	ALM 480 V	24.0	104	37	495	74.8	2200	0.86	0.930			14.1		
1PH8133-	SLM/BLM 400 V	22.0	105	52	336	68.2	2000	0.84	0.909			22.2		
1□G2□	ALM 400 V	25.0	104	52	373	78.3	2300	0.86	0.923			19.4		
Y connection	SLM/BLM 480 V	28.0	101	50	427	89.9	2650	0.85	0.933			19.5		
	ALM 480 V	29.0	99	50	450	94.9	2800	0.85	0.920			19.5		
1PH8135-	SLM/BLM 400 V	22.0	140	51	342	51.5	1500	0.85	0.901	0.094	12	20.3	3.3	141
1□F2□	ALM 400 V	25.5	139	51	395	59.9	1750	0.85	0.914			20.1		
Y connection	SLM/BLM 480 V	29.0	138	52	448	68.2	2000	0.85	0.931			19.9		
	ALM 480 V	31.0	135	50	480	74.9	2200	0.85	0.920			20.0		
1PH8135-	SLM/BLM 400 V	29.0	138	64	348	68.3	2000	0.86	0.924			23.9		
1□G2□	ALM 400 V	31.0	129	61	381	78.3	2300	0.88	0.933			23.3		
Y connection	SLM/BLM 480 V	32.0	115	58	448	89.6	2650	0.84	0.942			23.0		
	ALM 480 V	33.0	113	57	462	94.7	2800	0.84	0.920			23.1		
1PH8137-	SLM/BLM 400 V	27.0	172	67	315	51.6	1500	0.86	0.900	0.109	12	25.3	3.8	157
1□F2□	ALM 400 V	31.5	172	67	364	59.9	1750	0.86	0.911			24.8		
Y connection	SLM/BLM 480 V	36.0	172	67	415	68.3	2000	0.86	0.928			25.4		
	ALM 480 V	39.0	169	66	456	74.9	2200	0.85	0.920			25.5		
1PH8138-	SLM/BLM 400 V	30.0	191	80	289	51.9	1500	0.88	0.882	0.109	12	27.1	4.2	160
1□F2□	ALM 400 V	33.0	180	77	332	60.1	1750	0.87	0.898			27.1	4.2	
Y connection	SLM/BLM 480 V	37.0	177	76	380	68.4	2000	0.86	0.920			28.4	4.2	
	ALM 480 V	39.0	169	72	410	75.0	2200	0.86	0.910			27.0	4.2	

2.1.15 Shaft height 160 - water cooling

Table 2-19 1PH8 SH 160, water cooling (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm^2	T_{th} min	I_{μ} A	P_cool kW	m kg
1PH8163-1□F2□ Y connection	SLM/BLM 400 V	37	236	84	328	51.1	1500	0.88	0.916	0.216	14	27.4	3.8	229
	ALM 400 V	43	235	84	380	59.4	1750	0.88	0.924			27.3	4.1	
	SLM/BLM 480 V	49	234	84	430	67.7	2000	0.88	0.925			26.9	3.6	
	ALM 480 V	53	230	83	460	74.4	2200	0.88	0.920			26.5	3.6	
1PH8163-1□G2□ Y connection	SLM/BLM 400 V	42	201	93	335	67.6	2000	0.88	0.937			30.8	4.0	
	ALM 400 V	48	199	93	382	77.6	2300	0.88	0.939			30.2	4.2	
	SLM/BLM 480 V	55	198	90	450	89.2	2650	0.86	0.940			33.6	4.1	
	ALM 480 V	56	191	89	462	94.3	2800	0.88	0.940			30.2	4.1	
1PH8165-1□F2□ Y connection	SLM/BLM 400 V	46	293	104	330	50.9	1500	0.87	0.930	0.232	14	37.2	4.6	264
	ALM 400 V	53	289	104	374	59.3	1750	0.88	0.935			33.8	4.8	
	SLM/BLM 480 V	60	287	103	426	67.6	2000	0.88	0.940			34.0	4.8	
	ALM 480 V	66	287	103	457	74.4	2200	0.89	0.940			33.0	4.8	
1PH8165-1□G2□ Y connection	SLM/BLM 400 V	53	253	110	352	67.6	2000	0.89	0.938			32.1	4.7	
	ALM 400 V	60	249	107	410	77.6	2300	0.88	0.946			33.7	4.9	
	SLM/BLM 480 V	65	234	100	460	89.2	2650	0.89	0.948			31.9	4.8	
	ALM 480 V	68	232	100	494	94.2	2800	0.88	0.940			33.5	4.8	
1PH8166-1□F2□ Y connection	SLM/BLM 400 V	52	331	116	332	51.2	1500	0.88	0.936	0.232	14	36.7	5.5	269
	ALM 400 V	61	333	116	381	59.5	1750	0.89	0.940			35.2	5.7	
	SLM/BLM 480 V	68	325	116	426	67.9	2000	0.89	0.941			32.8	5.8	
	ALM 480 V	75	326	116	470	74.5	2200	0.89	0.940			34.4	5.8	
1PH8166-1□G2□ Y connection	SLM/BLM 400 V	64	306	125	376	67.8	2000	0.88	0.937			39.3	5.9	
	ALM 400 V	72	299	124	420	77.8	2300	0.89	0.946			35.5	5.9	
	SLM/BLM 480 V	83	299	125	460	89.6	2650	0.90	0.948			35.7	5.9	
	ALM 480 V	87	297	124	500	94.5	2800	0.90	0.950			35.5	5.9	

2.1.16 Shaft height 180 - water-cooled

Table 2-20 1PH8 shaft height 180, water-cooled (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	P_cool kW	m kg
1PH8184-	SLM/BLM 400 V	17.0	406	50	271	14.0	400	0.87	0.831	0.489	25	28	4.1	340
1□B2□	ALM 400 V	23.0	439	54	335	17.4	500	0.86	0.850			27	5.4	
Y connection	SLM/BLM/ALM 480 V	29.0	462	55	405	20.8	600	0.86	0.869			28	5.5	
1PH8184-	SLM/BLM 400 V	33.0	450	77	320	24.2	700	0.89	0.872			33	6.1	
1□C2□	ALM 400 V	38.0	454	77	365	27.5	800	0.88	0.885			33	6.2	
Y connection	SLM/BLM/ALM 480 V	48.0	458	77	460	34.1	1000	0.86	0.905			34	6.8	
1PH8184-	SLM/BLM 400 V	47.0	449	114	300	34.2	1000	0.88	0.904			45	6.9	
1□D2□	ALM 400 V	54.0	448	112	350	39.2	1150	0.87	0.915			46	6.6	
Y connection	SLM/BLM/ALM 480 V	64.0	453	112	410	45.8	1350	0.87	0.924			46	7.3	
1PH8184-	SLM/BLM 400 V	70.0	446	150	335	51.0	1500	0.87	0.928			66	7.3	
1□F2□	ALM 400 V	82.0	447	150	390	59.3	1750	0.87	0.933			65	8.0	
Y connection	SLM/BLM/ALM 480 V	95.0	454	152	450	67.3	2000	0.85	0.938			68	8.6	
1PH8184-	SLM/BLM 400 V	95.0	363	196	340	85.2	2500	0.87	0.945			75	7.6	
1□L2□	ALM 400 V	102	336	182	395	97.5	2900	0.87	0.945			77	8.3	
Y connection	SLM/BLM/ALM 480 V	100	281	158	460	114.0	3400	0.84	0.944			76	8.4	
1PH8186-	SLM/BLM 400 V	23.0	549	68	268	13.9	400	0.86	0.845	0.652	28	42	5.6	410
1□B2□	ALM 400 V	30.0	573	70	335	17.3	500	0.85	0.868			43	5.5	
Y connection	SLM/BLM/ALM 480 V	38.0	605	73	405	20.6	600	0.84	0.883			44	6.3	
1PH8186-	SLM/BLM 400 V	43.0	587	97	330	23.9	700	0.86	0.898			49	6.7	
1□C2□	ALM 400 V	49.0	585	99	360	27.4	800	0.88	0.904			44	6.9	
Y connection	SLM/BLM/ALM 480 V	61.0	583	98	450	34.0	1000	0.87	0.920			44	7.2	
1PH8186-	SLM/BLM 400 V	64.0	611	148	320	34.0	1000	0.85	0.920			78	7.7	
1□D2□	ALM 400 V	74.0	615	148	370	38.9	1150	0.84	0.927			80	7.9	
Y connection	SLM/BLM/ALM 480 V	86.0	608	148	420	45.7	1350	0.86	0.933			73	8.4	
1PH8186-	SLM/BLM 400 V	93.0	592	198	330	51.0	1500	0.87	0.935			85	9.0	
1□F2□	ALM 400 V	111	606	200	385	59.3	1750	0.89	0.939			85	9.9	
Y connection	SLM/BLM/ALM 480 V	126	602	200	445	67.3	2000	0.87	0.943			89	10.6	
1PH8186-	SLM/BLM 400 V	120	458	250	335	83.9	2500	0.88	0.948			109	9.4	
1□L2□	ALM 400 V	135	445	245	385	97.3	2900	0.87	0.948			108	10.3	
Y connection	SLM/BLM/ALM 480 V	121	340	200	455	114	3400	0.81	0.942			110	10.4	

2.1.17 Shaft height 225 - water-cooled

Table 2-21 1PH8 shaft height 225, water cooling (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm^2	T_{th} min	I_{μ} A	P_cool kW	m kg
1PH8224-	SLM/BLM 400 V	36.0	859	100	268	14.0	400	0.91	0.858	1.452	30	37	6.1	610
1□B2□	ALM 400 V	46.0	879	100	335	17.3	500	0.90	0.883			38	6.5	
Y connection	SLM/BLM/ALM 480 V	53.0	844	94	410	20.6	600	0.87	0.908			40	5.9	
1PH8224-	SLM/BLM 400 V	61.0	832	128	340	24.0	700	0.89	0.914			48	6.3	
1□C2□	ALM 400 V	70.0	836	130	380	27.3	800	0.89	0.920			46	6.7	
Y connection	SLM/BLM/ALM 480 V	87.0	831	132	460	34.0	1000	0.89	0.931			44	7.2	
1PH8224-	SLM/BLM 400 V	89.0	850	188	335	33.9	1000	0.87	0.937			79	6.7	
1□D2□	ALM 400 V	101	839	186	385	38.9	1150	0.86	0.944			79	6.8	
Y connection	SLM/BLM/ALM 480 V	115	813	180	450	45.5	1350	0.86	0.950			79	6.9	
1PH8224-	SLM/BLM 400 V	119	758	240	340	50.6	1500	0.89	0.951			87	7.0	615
1□F2□	ALM 400 V	138	753	240	395	58.9	1750	0.88	0.954			87	7.6	
Y connection	SLM/BLM/ALM 480 V	155	740	235	460	67.2	2000	0.86	0.958			90	7.8	
1PH8224-	SLM/BLM 400 V	153	584	310	340	83.8	2500	0.87	0.961			113	7.2	
1□L2□	ALM 400 V	164	540	285	395	97.1	2900	0.88	0.961			114	7.7	
Y connection	SLM/BLM/ALM 480 V	164	461	255	460	114.0	3400	0.84	0.959			113	8.1	
1PH8226-	SLM/BLM 400 V	47.0	1122	130	264	14.0	400	0.90	0.875	1.895	32	49	7.1	740
1□B2□	ALM 400 V	59.0	1127	128	330	17.3	500	0.90	0.899			50	7.2	
Y connection	SLM/BLM/ALM 480 V	70.0	1114	122	410	20.5	600	0.88	0.919			55	6.8	
1PH8226-	SLM/BLM 400 V	81.0	1105	184	310	23.9	700	0.88	0.928			79	7.0	
1□C2□	ALM 400 V	93.0	1110	186	350	27.2	800	0.88	0.934			77	7.4	
Y connection	SLM/BLM/ALM 480 V	116	1108	184	440	33.9	1000	0.88	0.944			79	7.8	
1PH8226-	SLM/BLM 400 V	115	1098	235	340	33.9	1000	0.89	0.938			87	8.6	745
1□D2□	ALM 400 V	131	1088	230	390	38.9	1150	0.89	0.945			87	8.6	
Y connection	SLM/BLM/ALM 480 V	150	1061	225	460	45.5	1350	0.88	0.951			88	8.8	
1PH8226-	SLM/BLM 400 V	145	923	295	340	50.5	1500	0.87	0.957			119	7.5	
1□F2□	ALM 400 V	169	922	295	390	58.8	1750	0.88	0.895			116	8.3	
Y connection	SLM/BLM/ALM 480 V	191	912	290	450	67.1	2000	0.88	0.961			118	8.9	
1PH8226-	SLM/BLM 400 V	185	707	380	335	83.8	2500	0.87	0.963			151	8.2	
1□L2□	ALM 400 V	204	672	360	390	97.1	2900	0.87	0.960			152	9.3	
Y connection	SLM/BLM/ALM 480 V	199	559	310	460	114.0	3400	0.84	0.958			153	10.0	

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	P_cool kW	m kg
1PH8228-	SLM/BLM 400 V	58.0	1385	154	272	13.9	400	0.90	0.886	2.354	34	62	7.9	870
1□B2□	ALM 400 V	72.0	1375	150	340	17.2	500	0.90	0.908			63	7.9	
Y connection	SLM/BLM/ALM 480 V	85.0	1353	148	410	20.5	600	0.88	0.923			64	7.9	
1PH8228-	SLM/BLM 400 V	96.0	1310	210	315	23.9	700	0.90	0.930			82	8.1	
1□C2□	ALM 400 V	110	1313	210	360	27.2	800	0.90	0.937			82	8.3	
Y connection	SLM/BLM/ALM 480 V	138	1318	210	450	33.9	1000	0.89	0.946			83	8.9	
1PH8228-	SLM/BLM 400 V	141	1346	280	340	33.9	1000	0.91	0.943			98	9.6	875
1□D2□	ALM 400 V	161	1337	280	390	38.9	1150	0.90	0.948			98	10.0	
Y connection	SLM/BLM/ALM 480 V	184	1302	270	460	45.5	1350	0.90	0.954			99	10.2	
1PH8228-	SLM/BLM 400 V	192	1222	390	340	50.5	1500	0.87	0.959			169	9.4	
1□F2□	ALM 400 V	221	1206	390	390	58.8	1750	0.87	0.961			165	10.3	
Y connection	SLM/BLM/ALM 480 V	245	1170	380	450	67.1	2000	0.86	0.963			169	10.9	
1PH8228-	SLM/BLM 400 V	226	863	455	340	83.7	2500	0.87	0.964			181	9.8	
1□L2□	ALM 400 V	237	780	415	395	97.0	2900	0.87	0.963			182	10.5	
Y connection	SLM/BLM/ALM 480 V	237	666	370	460	114.0	3400	0.84	0.959			180	11.7	

2.1.18 Shaft height 280 - water-cooled

Table 2-22 1PH8 shaft height 280, water-cooled (basic data)

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm²	T_{th} min	I_{μ} A	P_cool kW	m kg
1PH8284-	SLM/BLM 400 V	71.0	1695	170	295	13.8	400	0.89	0.914	4.2	30	70	7.0	1280
1□B2□	ALM 400 V	89.0	1700	172	365	17.1	500	0.88	0.929			69	7.0	
Δ connection	SLM/BLM/ALM 480 V	107	1703	170	440	20.4	600	0.88	0.939			71	7.0	
1PH8284-	SLM/BLM 400 V	123	1678	260	330	23.7	700	0.87	0.945			108	7.0	
1□C2□	ALM 400 V	141	1683	260	375	27.0	800	0.88	0.950			108	8.0	
Δ connection	SLM/BLM/ALM 480 V	176	1681	265	455	33.7	1000	0.88	0.956			102	8.0	
1PH8284-	SLM/BLM 400 V	172	1643	350	335	33.7	1000	0.88	0.957			144	8.0	
1□D2□	ALM 400 V	198	1644	355	385	38.7	1150	0.87	0.960			144	9.0	
Δ connection	SLM/BLM/ALM 480 V	232	1641	355	450	45.4	1350	0.87	0.963			143	9.0	
1PH8284-	SLM/BLM 400 V	227	1445	445	343	50.4	1500	0.89	0.964			161	9.0	
1□F2□	ALM 400 V	265	1446	445	400	58.7	1750	0.89	0.966			161	10.0	
Δ connection	SLM/BLM/ALM 480 V	303	1447	445	455	67.0	2000	0.89	0.967			160	11.0	

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm^2	T_{th} min	I_{μ} A	P_cool kW	m kg
1PH8284-1□H2□ Y connection	BLM 690 V	68.0	1624	89	555	13.7	400	0.87	0.917	4.2	30	41	6.0	1280
	ALM 690 V	85.0	1624	89	690	17.0	500	0.86	0.931			41	6.0	
1PH8284-1□K2□ Y connection	BLM 690 V	119	1624	136	605	23.7	700	0.88	0.942			54	8.0	
	ALM 690 V	137	1635	138	690	27.0	800	0.88	0.947			54	8.0	
1PH8284-1□U2□ Y connection	BLM 690 V	167	1595	196	600	33.6	1000	0.86	0.956			89	8.0	
	ALM 690 V	192	1594	198	690	38.6	1150	0.85	0.959			90	8.0	
1PH8284-1□W2□ Y connection	BLM 690 V	220	1401	250	590	50.4	1500	0.89	0.963			92	9.0	
	ALM 690 V	257	1401	250	690	58.7	1750	0.89	0.965			92	10.0	
1PH8286-1□B2□ Δ connection	SLM/BLM 400 V	89.0	2125	210	300	13.7	400	0.89	0.916	5.2	33	83	9.0	1490
	ALM 400 V	111	2120	205	375	17.0	500	0.89	0.931			84	9.0	
	SLM/BLM/ALM 480 V	133	2117	205	445	20.4	600	0.89	0.940			83	9.0	
1PH8286-1□C2□ Δ connection	SLM/BLM 400 V	153	2087	320	325	23.7	700	0.89	0.948			123	9.0	
	ALM 400 V	175	2089	320	375	27.0	800	0.88	0.953			126	9.0	
	SLM/BLM/ALM 480 V	219	2091	325	455	33.7	1000	0.89	0.958			120	10.0	
1PH8286-1□D2□ Δ connection	SLM/BLM 400 V	214	2044	460	330	33.6	1000	0.85	0.960			215	9.0	
	ALM 400 V	246	2043	455	380	38.6	1150	0.85	0.962			216	10.0	
	SLM/BLM/ALM 480 V	289	2044	460	445	45.3	1350	0.85	0.964			216	11.0	
1PH8286-1□F2□ Δ connection	SLM/BLM 400 V	281	1789	540	343	50.4	1500	0.90	0.966			181	11.0	
	ALM 400 V	328	1790	540	400	58.7	1750	0.90	0.967			182	12.0	
	SLM/BLM/ALM 480 V	375	1791	550	455	67.0	2000	0.90	0.968			180	13.0	
1PH8286-1□H2□ Y connection	BLM 690 V	85.0	2029	108	555	13.7	400	0.89	0.917	5.2	33	45	8.0	1490
	ALM 690 V	106	2025	108	690	17.0	500	0.88	0.931			45	8.0	
1PH8286-1□K2□ Y connection	BLM 690 V	148	2019	174	605	23.6	700	0.85	0.950			84	8.0	
	ALM 690 V	170	2029	176	690	27.0	800	0.85	0.954			84	8.0	
1PH8286-1□U2□ Y connection	BLM 690 V	208	1986	260	570	33.6	1000	0.85	0.959			123	9.0	
	ALM 690 V	239	1985	260	655	38.6	1150	0.85	0.962			123	10.0	
1PH8286-1□W2□ Y connection	BLM 690 V	273	1738	310	590	50.4	1500	0.90	0.965			104	11.0	
	ALM 690 V	318	1735	305	690	58.7	1750	0.90	0.967			104	12.0	

Motor type	Supply voltage	P_{rated} kW	M_{rated} Nm	I_{rated} A	U_{rated} V	f_{rated} Hz	n_{rated} r/min	cos Φ	η	J kgm^2	T_{th} min	I_{μ} A	P_cool kW	m kg
1PH8288-	SLM/BLM 400 V	109	2602	260	295	13.7	400	0.89	0.925	6.3	35	110	9.0	1750
1□B2□	ALM 400 V	136	2598	260	365	17.0	500	0.88	0.938			109	9.0	
Δ connection	SLM/BLM/ALM 480 V	164	2610	260	440	20.3	600	0.88	0.946			111	10.0	
1PH8288-	SLM/BLM 400 V	188	2565	400	324	23.6	700	0.88	0.952			172	10.0	
1□C2□	ALM 400 V	215	2567	405	370	27.0	800	0.87	0.956			172	10.0	
Δ connection	SLM/BLM/ALM 480 V	269	2569	405	460	33.6	1000	0.87	0.961			171	11.0	
1PH8288-	SLM/BLM 400 V	264	2521	550	335	33.6	1000	0.86	0.962			251	11.0	
1□D2□	ALM 400 V	304	2525	550	385	38.6	1150	0.86	0.964			251	12.0	
Δ connection	SLM/BLM/ALM 480 V	357	2525	550	450	45.3	1350	0.86	0.966			249	13.0	
1PH8288-	SLM/BLM 400 V	345	2197	660	345	50.3	1500	0.90	0.967			234	13.0	
1□F2□	ALM 400 V	403	2199	670	400	58.7	1750	0.90	0.968			232	14.0	
Δ connection	SLM/BLM/ALM 480 V	460	2197	670	455	67.0	2000	0.90	0.969			230	16.0	
1PH8288-	BLM 690 V	105	2507	134	555	13.7	400	0.88	0.923	6.3	35	58	9.0	1750
1□H2□	ALM 690 V	131	2502	134	690	17.0	500	0.88	0.936			58	9.0	
Y connection														
1PH8288-	BLM 690 V	182	2483	205	605	23.7	700	0.90	0.946			77	11.0	
1□K2□	ALM 690 V	209	2495	205	690	27.0	800	0.90	0.951			77	12.0	
Y connection														
1PH8288-	BLM 690 V	256	2445	310	580	33.6	1000	0.86	0.961			145	11.0	
1□U2□	ALM 690 V	295	2450	310	665	38.6	1150	0.86	0.963			144	12.0	
Y connection														
1PH8288-	BLM 690 V	335	2133	375	590	50.3	1500	0.90	0.966			132	13.0	
1□W2□	ALM 690 V	391	2134	375	690	58.7	1750	0.90	0.968			133	14.0	
Y connection														

2.1.19 Overload factors for intermittent duty types (S6) and short-time duty (S2)

The specified overload factors for intermittent duty types (S6) and for short-time duty (S2) are based on the S1 characteristic (continuous operation) of the relevant motor.

Table 2-23 S6/S2 overload factors for water-cooled asynchronous motors

Motor type	Overload factors			
	S6 - 60%	S6 - 40%	S6 - 25%	S2 - 30 min
1PH808□-1□□2	1.20	1.40	1.70	1.00
1PH810□-1□□2	1.20	1.40	1.70	1.00
1PH813□-1□□2	1.20	1.40	1.70	1.00
1PH816□-1□□2	1.20	1.47	1.70	1.00
1PH8184-1□□2	1.23	1.47	1.70	1.20

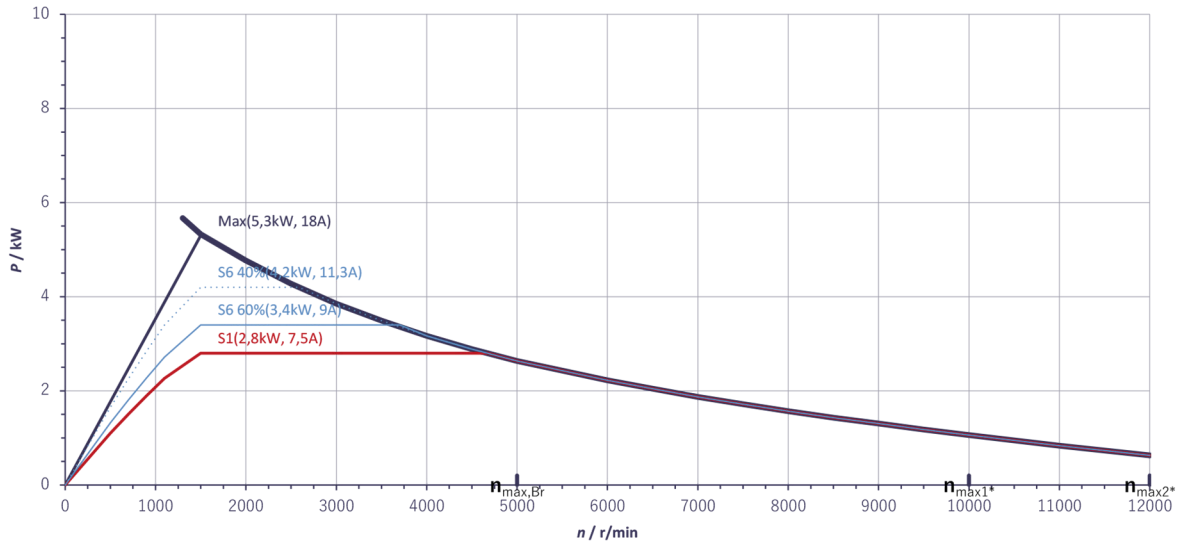
Motor type	Overload factors			
	S6 - 60%	S6 - 40%	S6 - 25%	S2 - 30 min
1PH8186-1□□2	1.23	1.47	1.70	1.23
1PH8224-1□□2	1.23	1.47	1.70	1.26
1PH8226-1□□2	1.23	1.47	1.70	1.28
1PH8228-1□□2	1.23	1.47	1.70	1.30
1PH8284 -1□□2	1.23	1.47	1.70	1.26
1PH8286 -1□□2	1.23	1.47	1.70	1.29
1PH8288 -1□□2	1.23	1.47	1.70	1.31

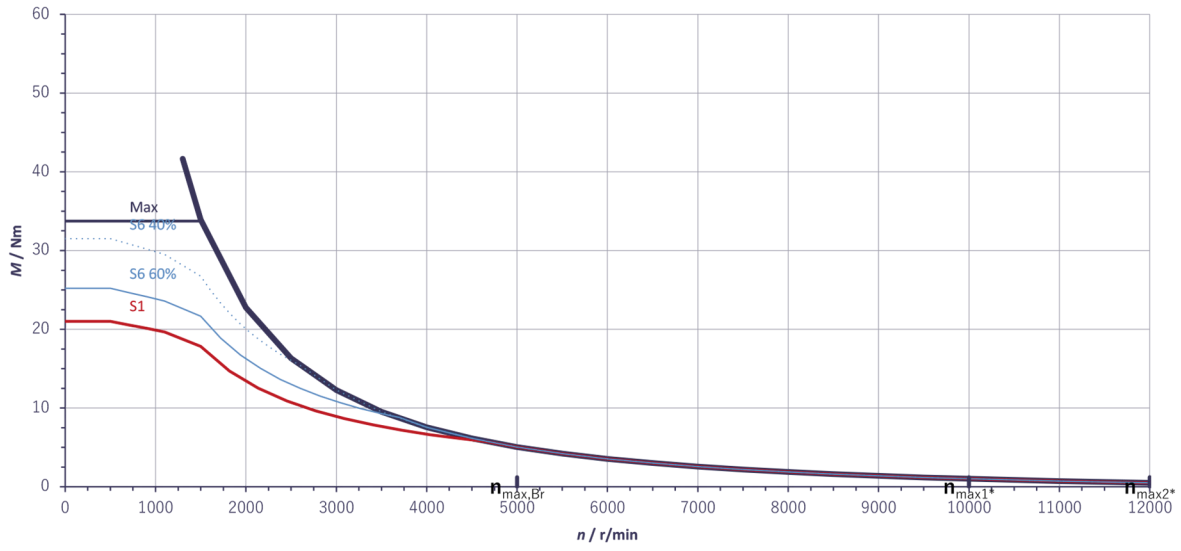
2.2 Characteristics forced ventilation

2.2.1 Shaft height 80 – forced ventilation

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□F0, 1PH8083-1□F1, 1PH8083-3□F0, 1PH8083-3□F1 in Star-connection

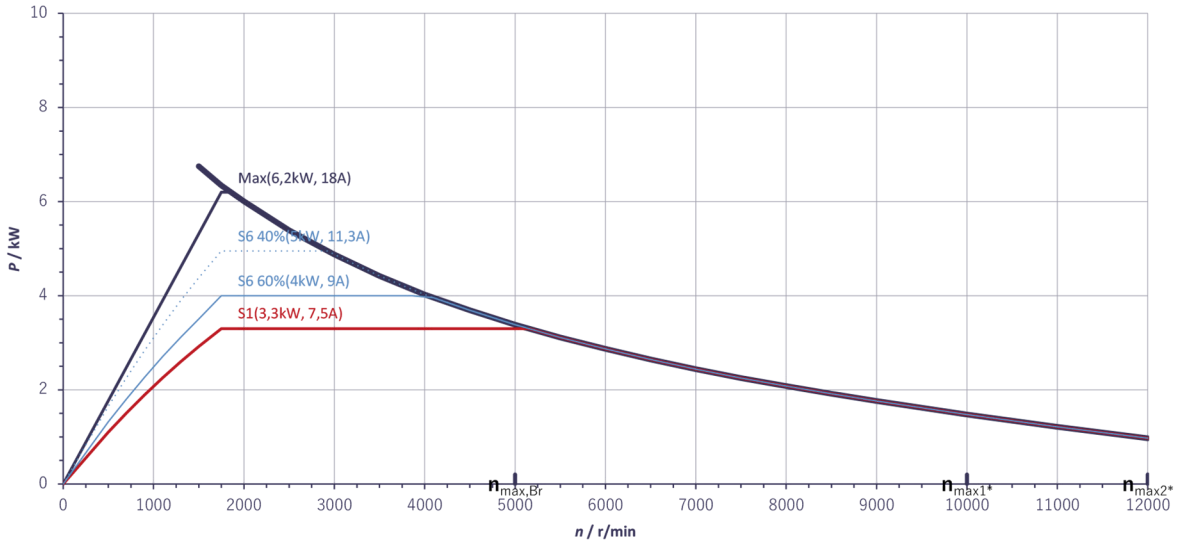
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	2,8	17,8	7,5	10000	12000	--	5000	4700	34,0	18	21	8,0

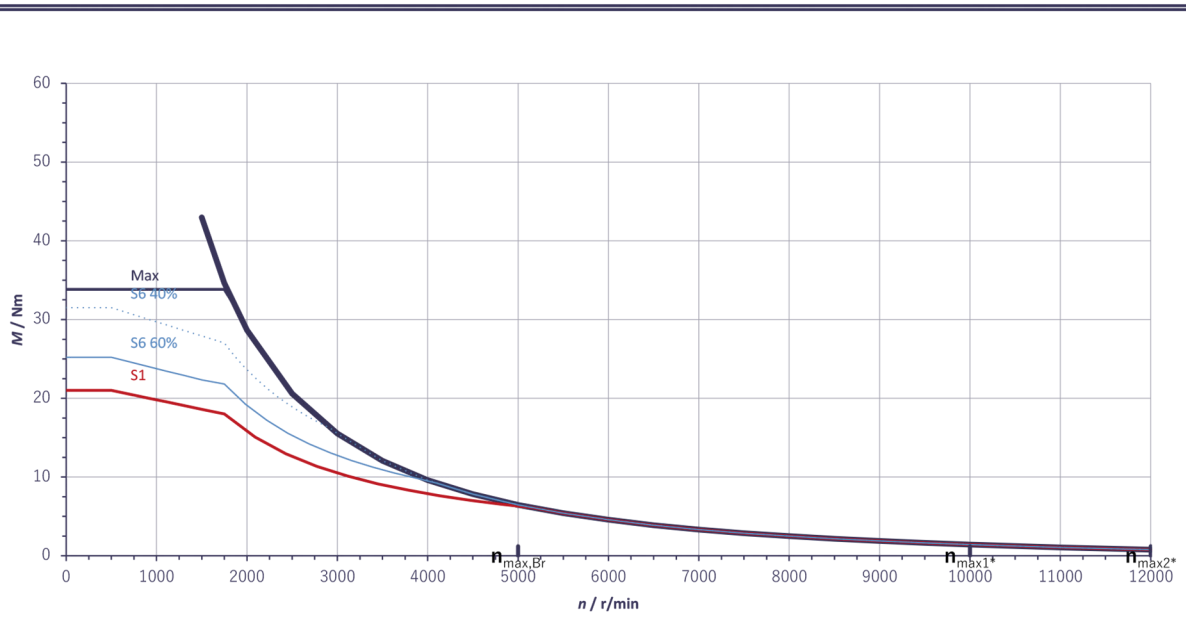




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8083-1□F0, 1PH8083-1□F1, 1PH8083-3□F0, 1PH8083-3□F1 in Star-connection

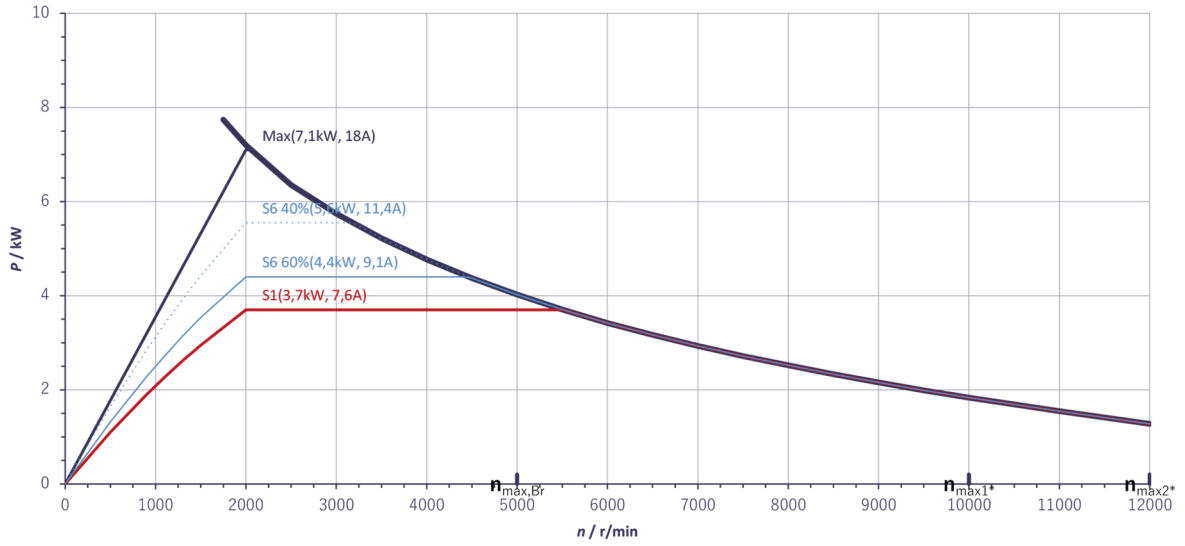
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	3,3	18,0	7,5	10000	12000	--	5000	5200	34,0	18	21	8,0
1500	2,8	18	7,5					6200				

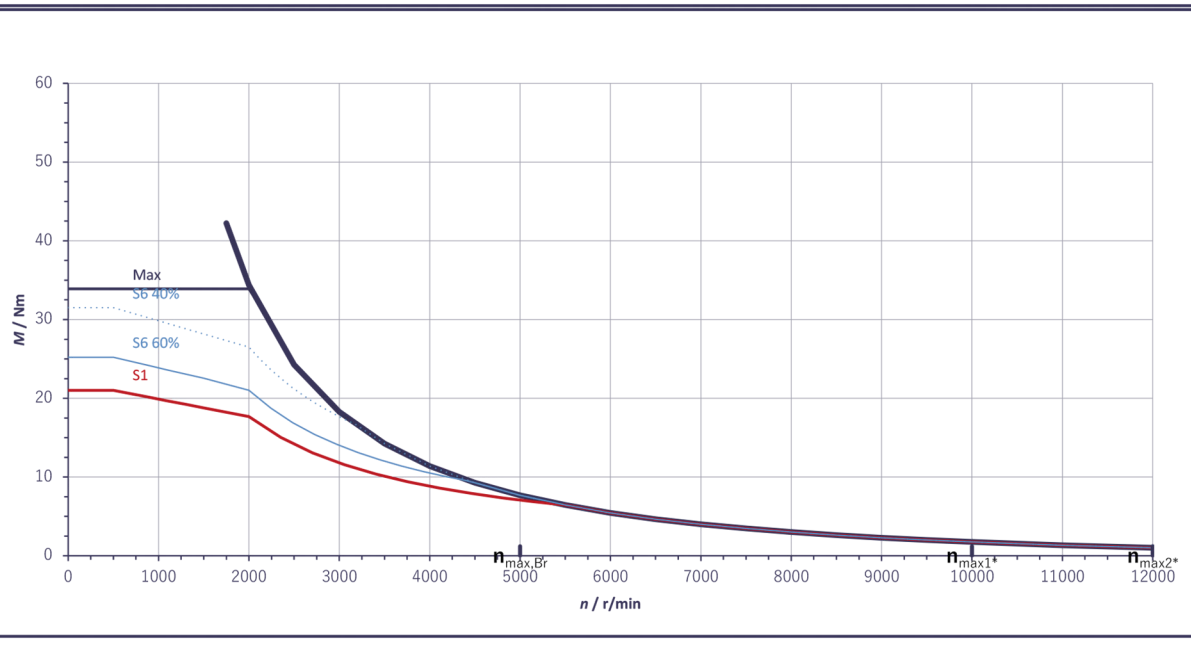




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□F0, 1PH8083-1□F1, 1PH8083-3□F0, 1PH8083-3□F1 in Star-connection

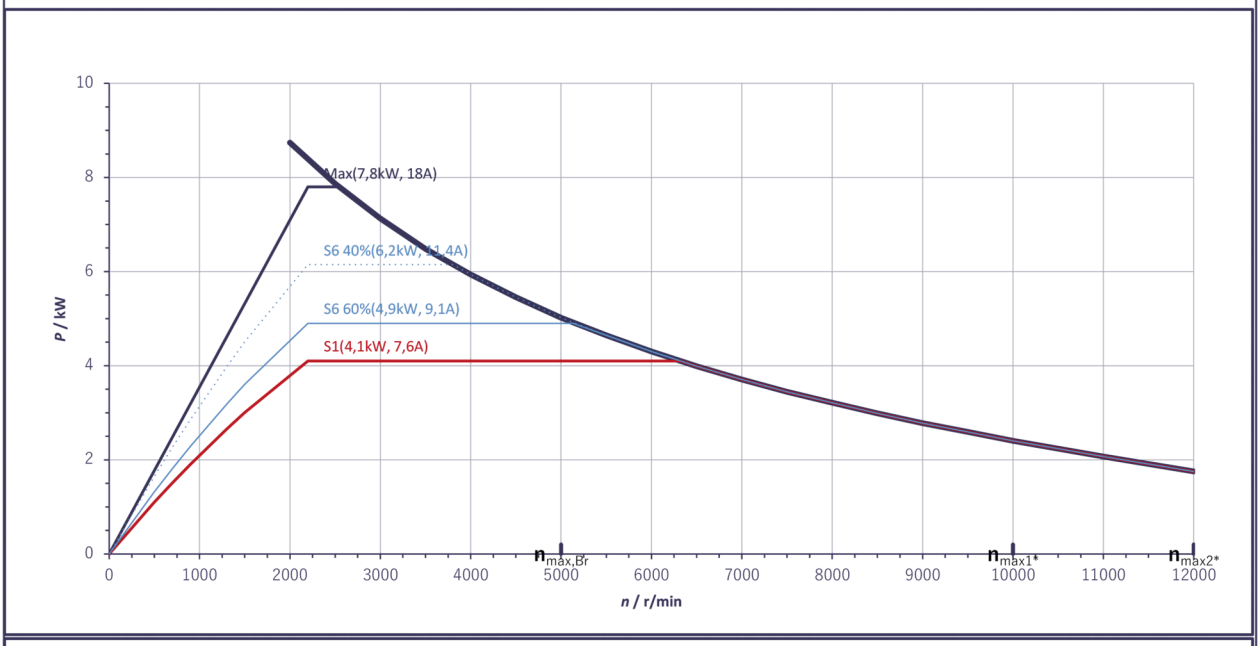
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	3,7	17,7	7,6	10000	12000	--	5000	5550	34,0	18	21	8,0

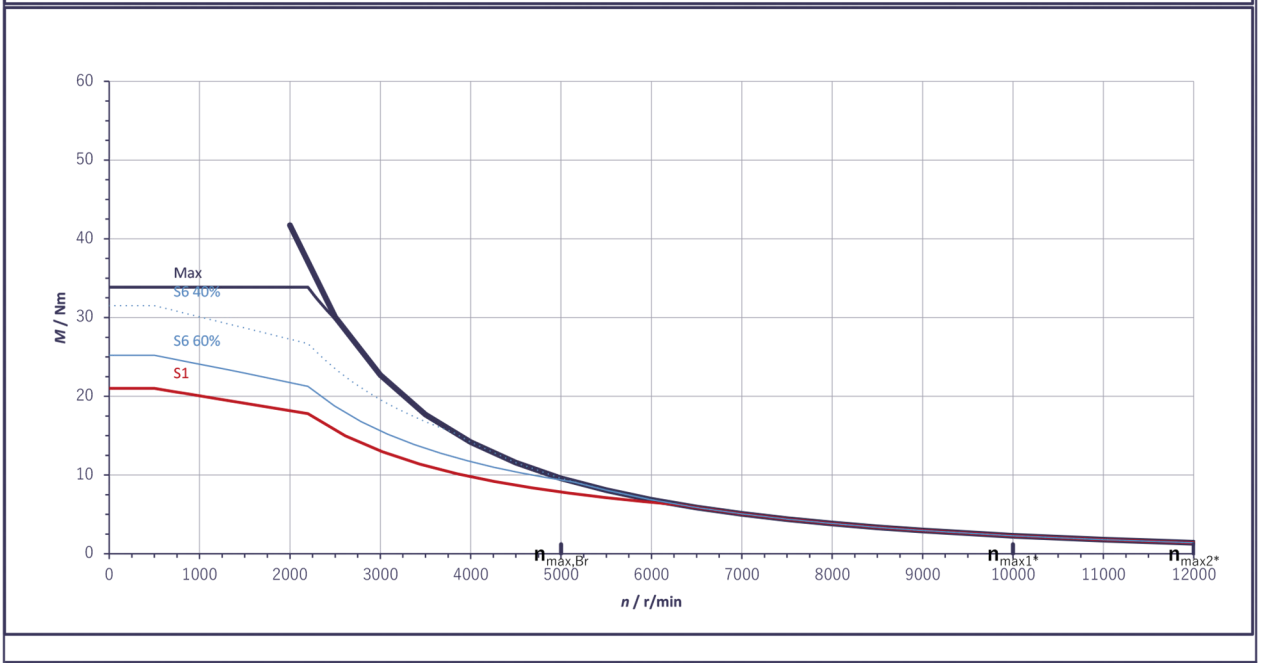




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8083-1□F0, 1PH8083-1□F1, 1PH8083-3□F0, 1PH8083-3□F1 in Star-connection

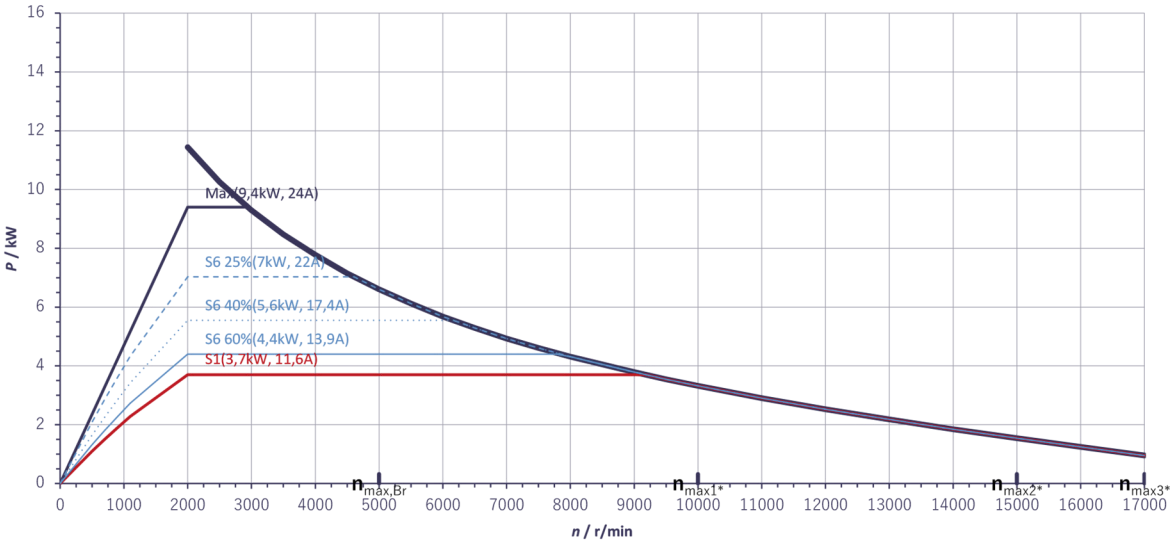
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	4,1	17,8	7,6	10000	12000	--	5000	6300	34,0	18	21	8,0

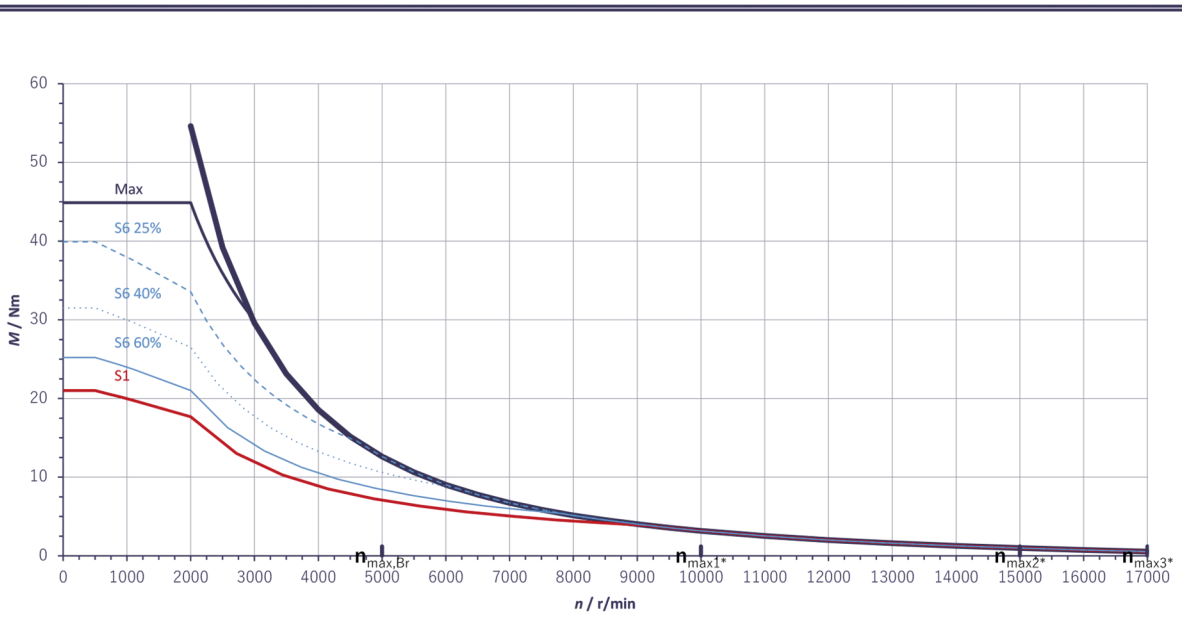




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□G0, 1PH8083-1□G1, 1PH8083-3□G0, 1PH8083-3□G1 in Star-connection

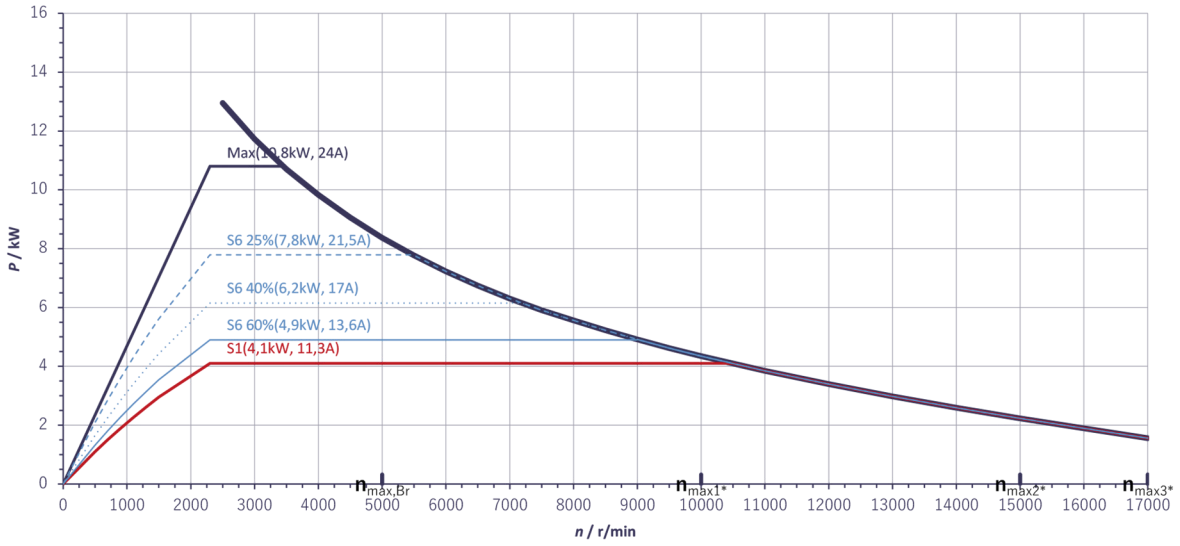
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	3,7	17,7	11,6	10000	15000	17000	5000	9200	45,0	24	21	12,0

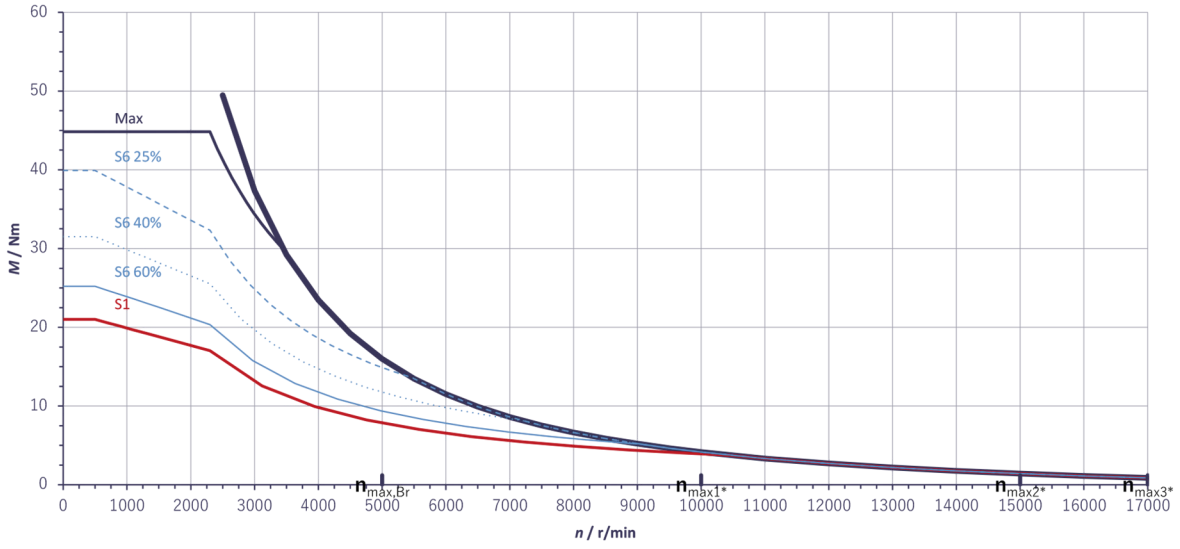




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8083-1□G0, 1PH8083-1□G1, 1PH8083-3□G0, 1PH8083-3□G1 in Star-connection

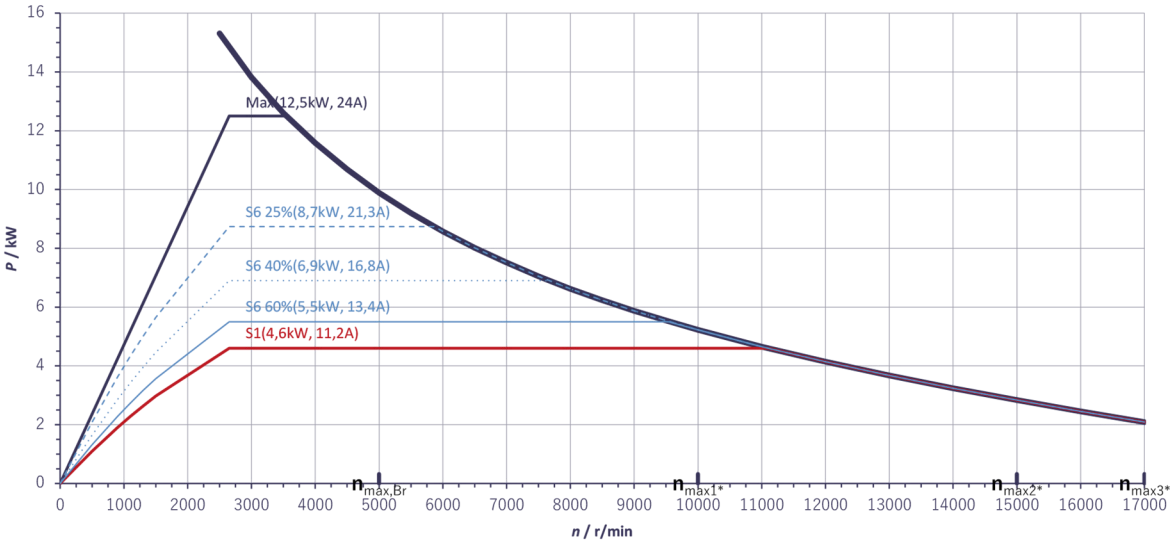
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	4,1	17,0	11,3	10000	15000	17000	5000	10550	45,0	24	21	12,0
2000	3,7	18	11,6					11350				

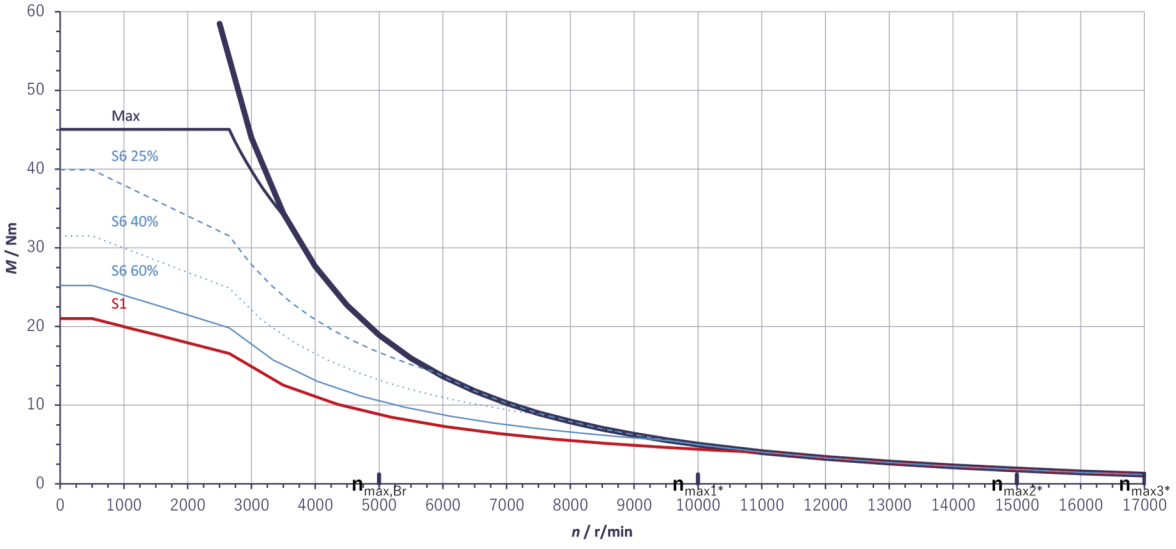




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□G0, 1PH8083-1□G1, 1PH8083-3□G0, 1PH8083-3□G1 in Star-connection

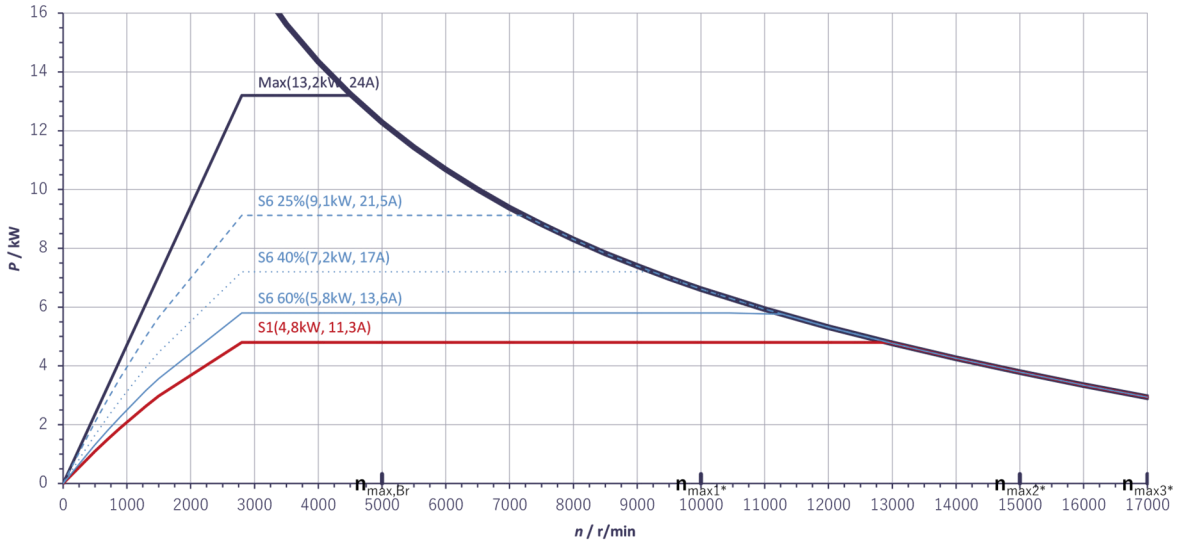
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	4,6	16,6	11,2	10000	15000	17000	5000	11150	45,0	24	21	12,0

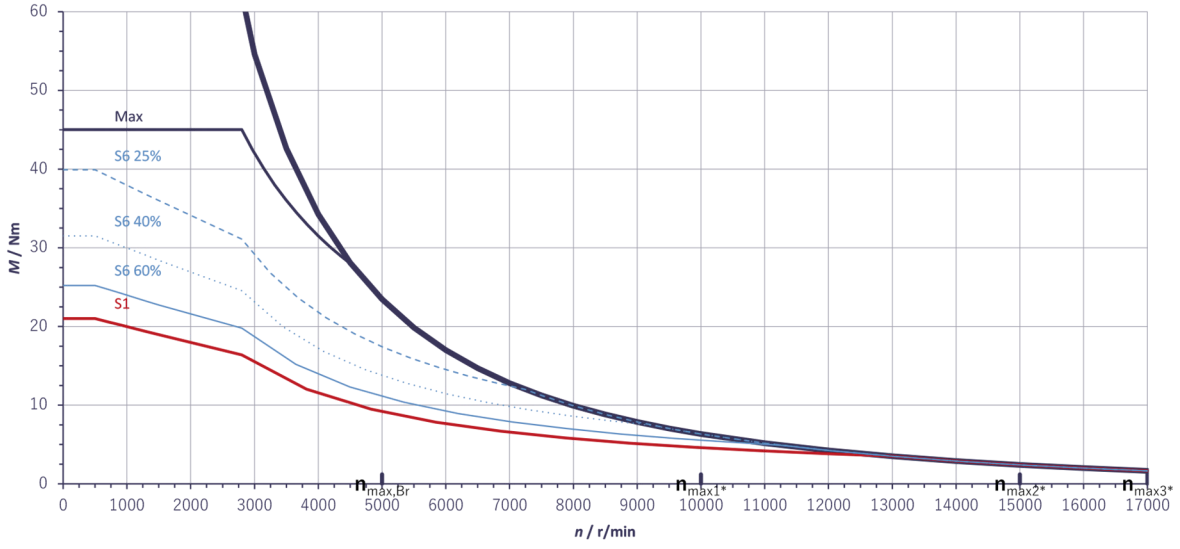




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8083-1□G0, 1PH8083-1□G1, 1PH8083-3□G0, 1PH8083-3□G1 in Star-connection

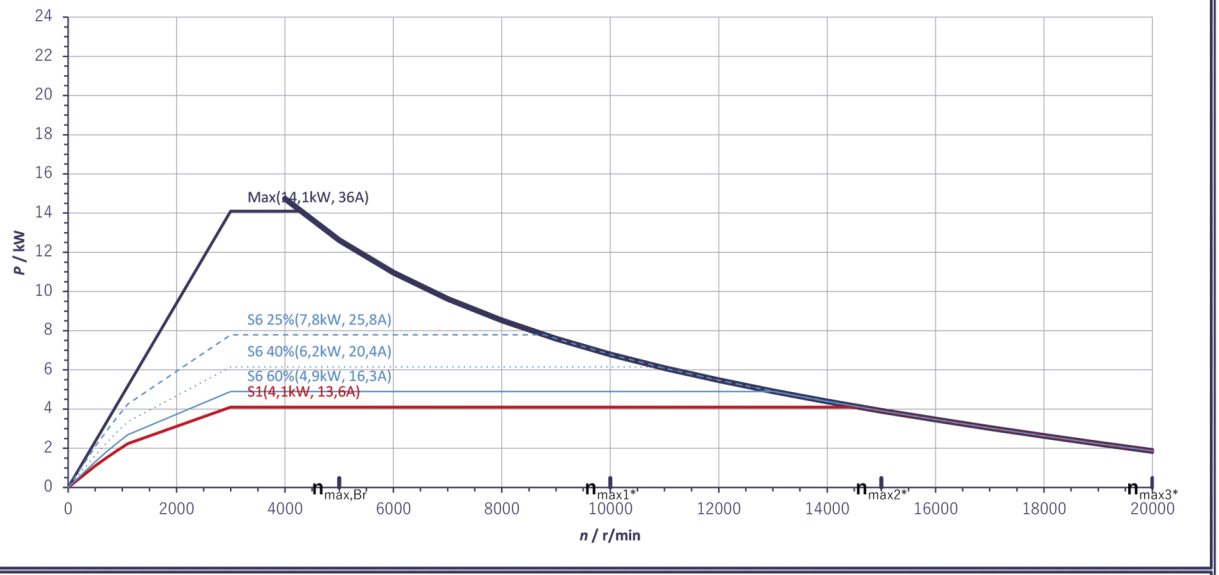
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	4,8	16,4	11,3	10000	15000	17000	5000	12950	45,0	24	21	12,0

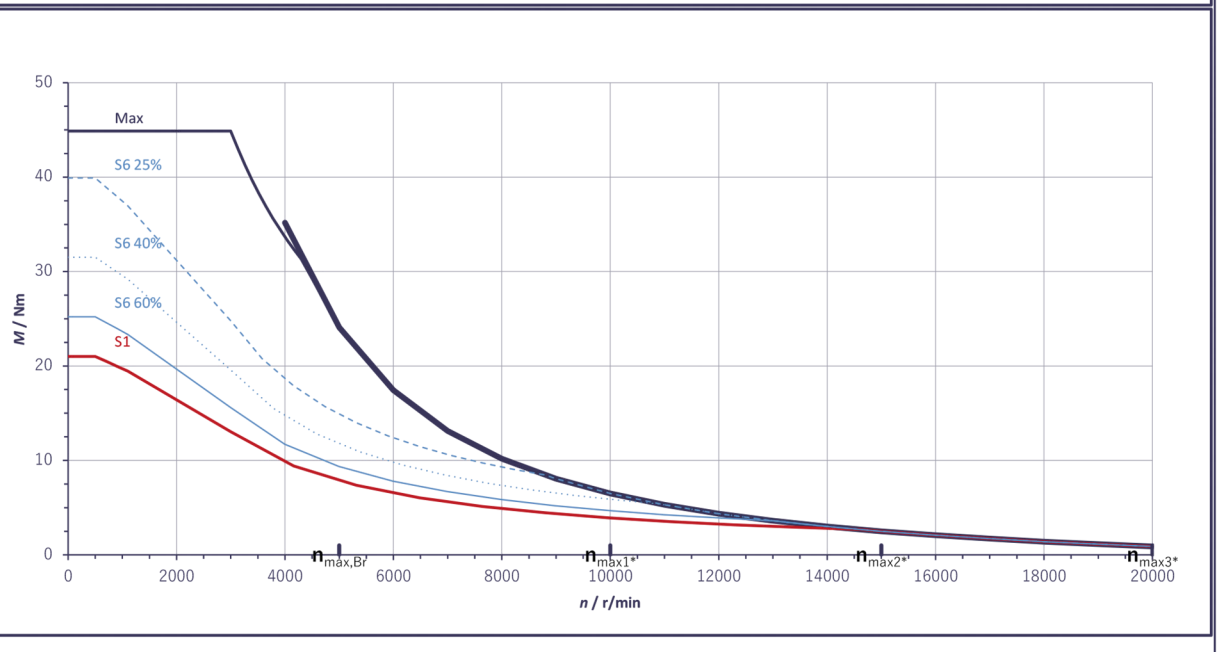




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□M0, 1PH8083-1□M1, 1PH8083-3□M0, 1PH8083-3□M1 in Star-connection

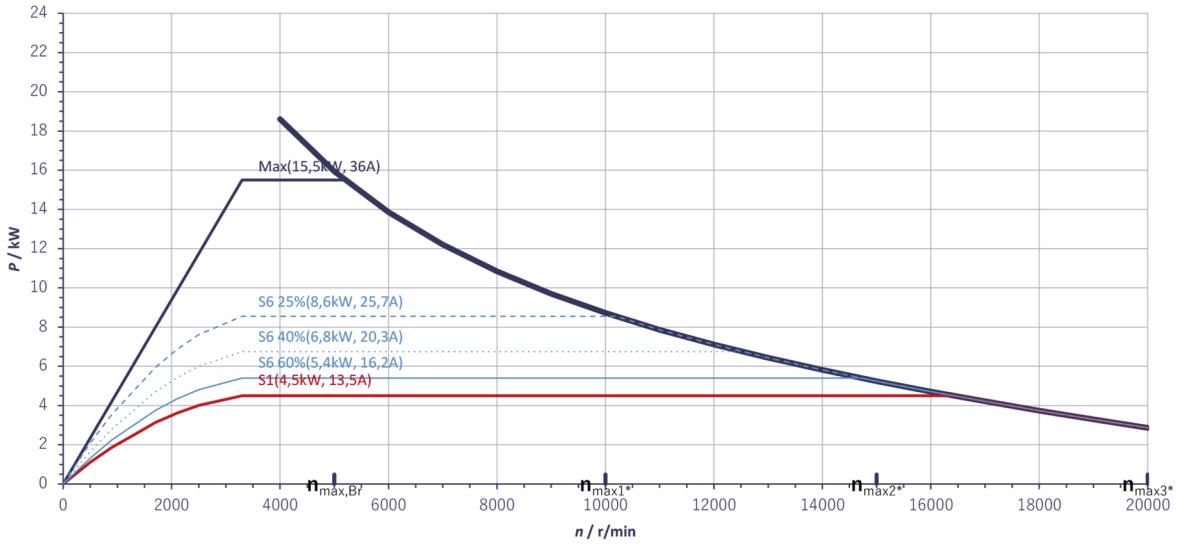
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3000	4,1	13,1	13,6	10000	15000	20000	5000	14650	45,0	36	21	17,0

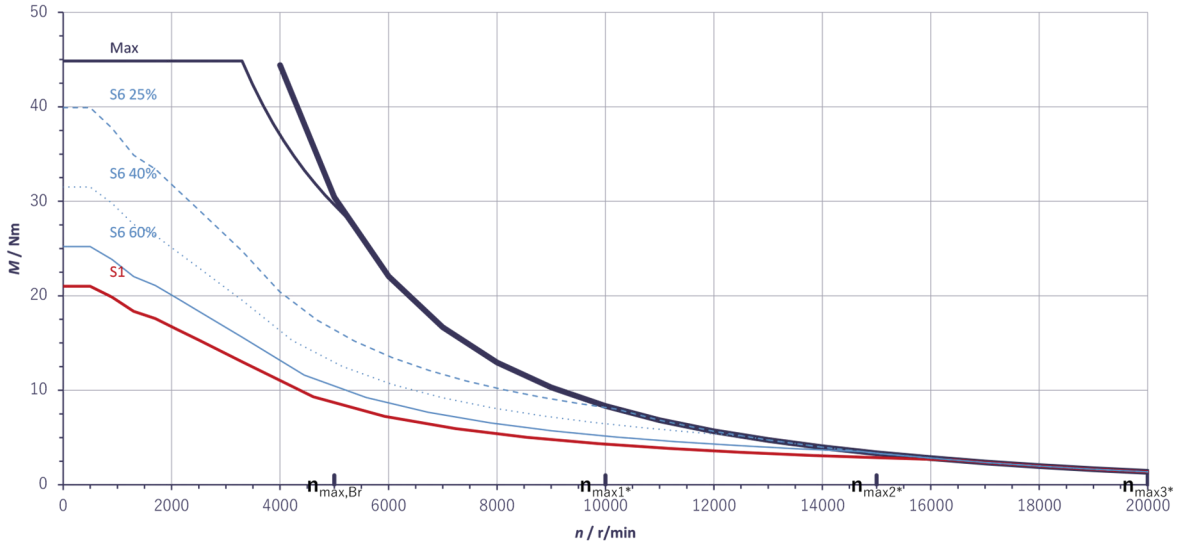




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8083-1□M0, 1PH8083-1□M1, 1PH8083-3□M0, 1PH8083-3□M1 in Star-connection

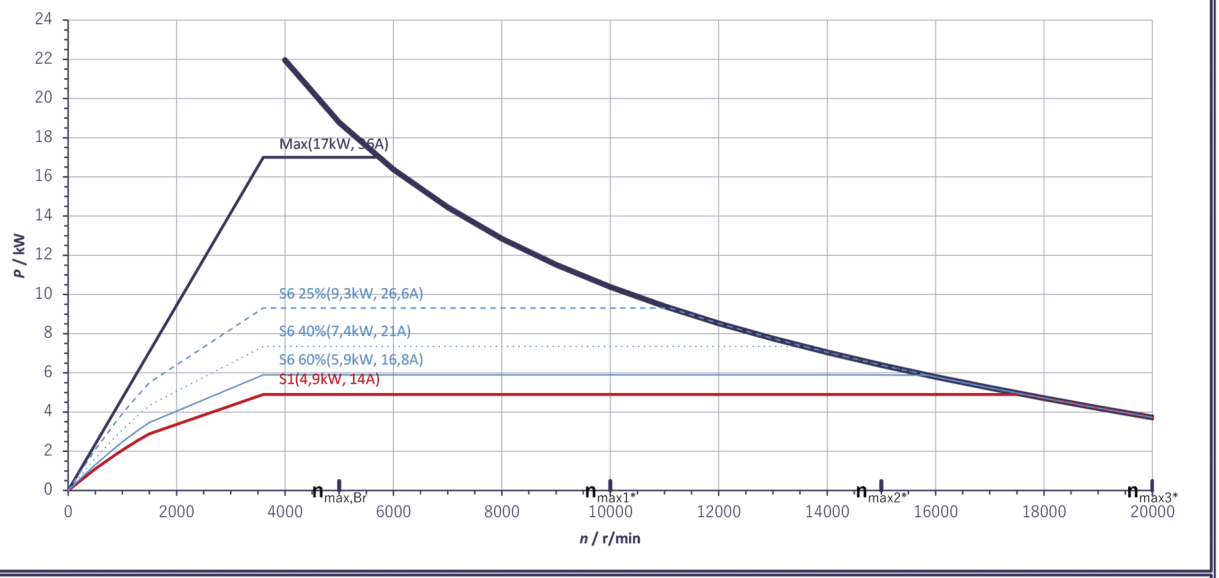
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3300	4,5	13,0	13,5	10000	15000	20000	5000	16500	45,0	36	21	17,0
3000	4,1	13	13,6					17300				

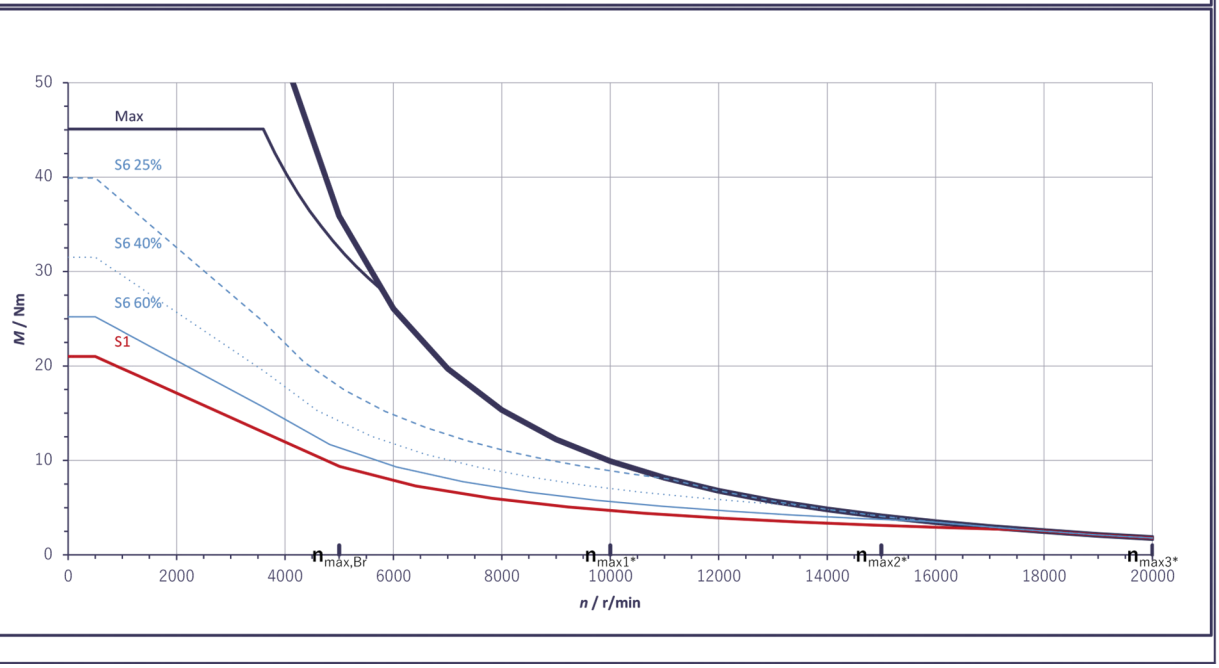




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□M0, 1PH8083-1□M1, 1PH8083-3□M0, 1PH8083-3□M1 in Star-connection

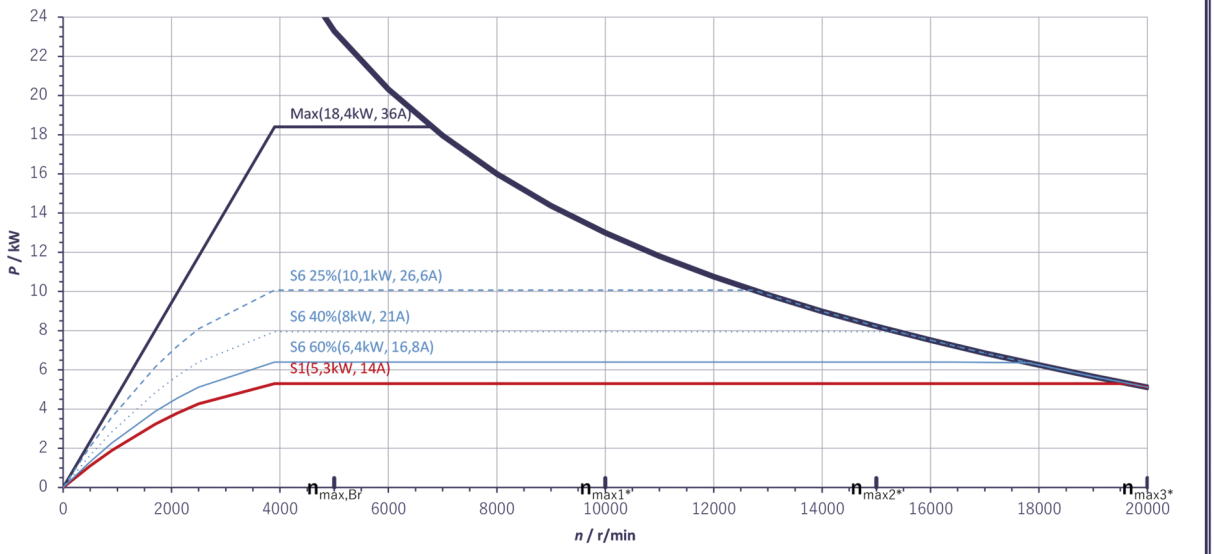
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3600	4,9	13,0	14,0	10000	15000	20000	5000	17650	45,0	36	21	17,0

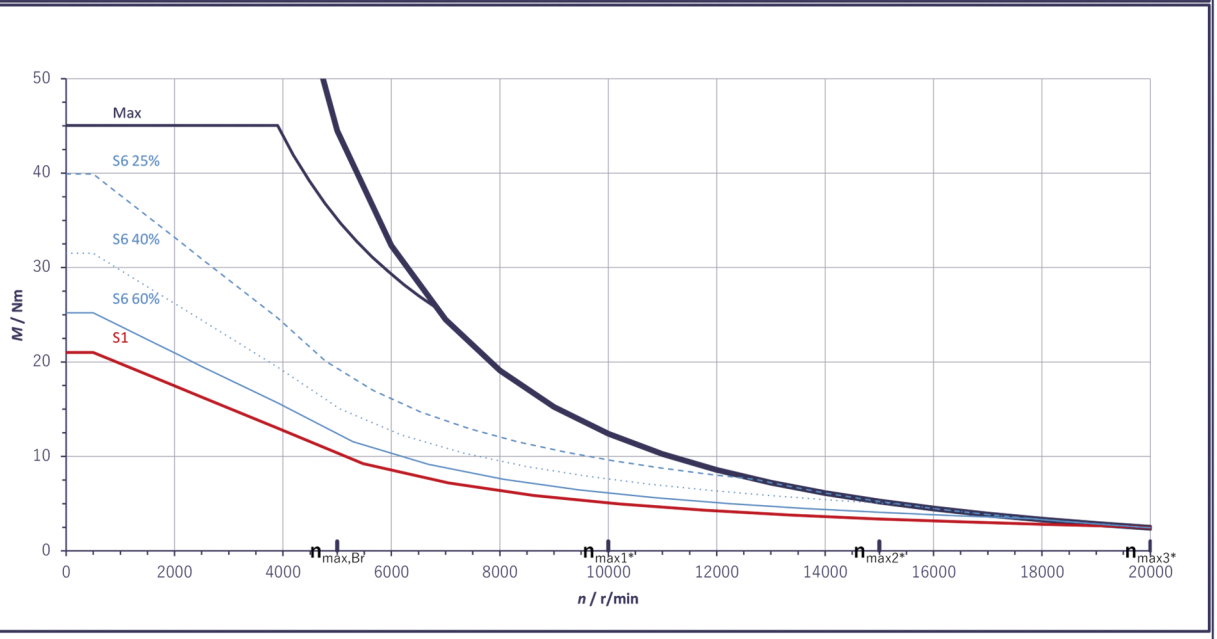




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8083-1□M0, 1PH8083-1□M1, 1PH8083-3□M0, 1PH8083-3□M1 in Star-connection

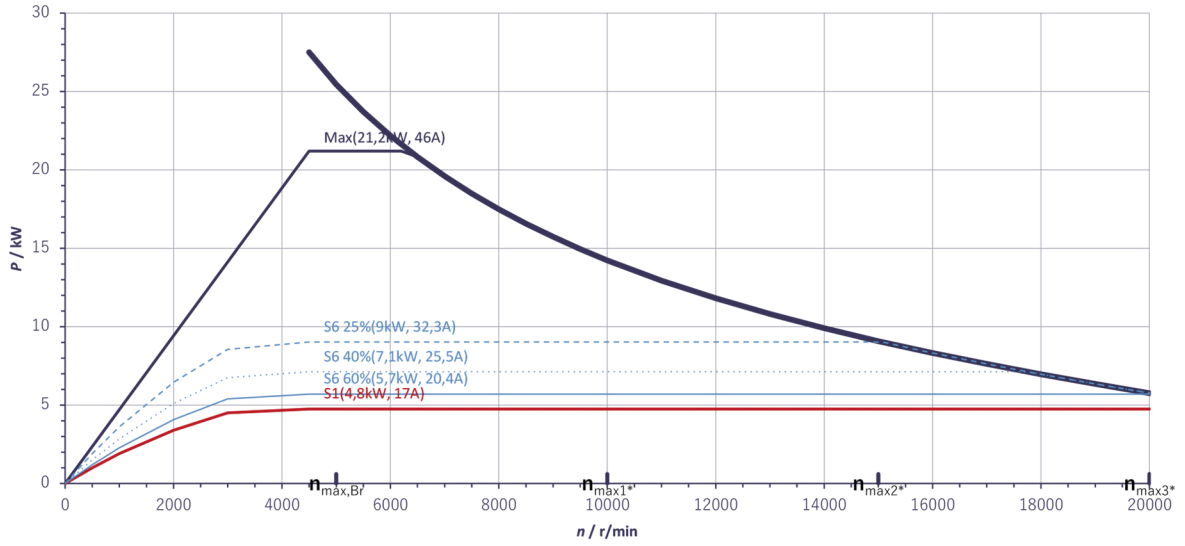
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3900	5,3	13,0	14,0	10000	15000	20000	5000	19650	45,0	36	21	17,0

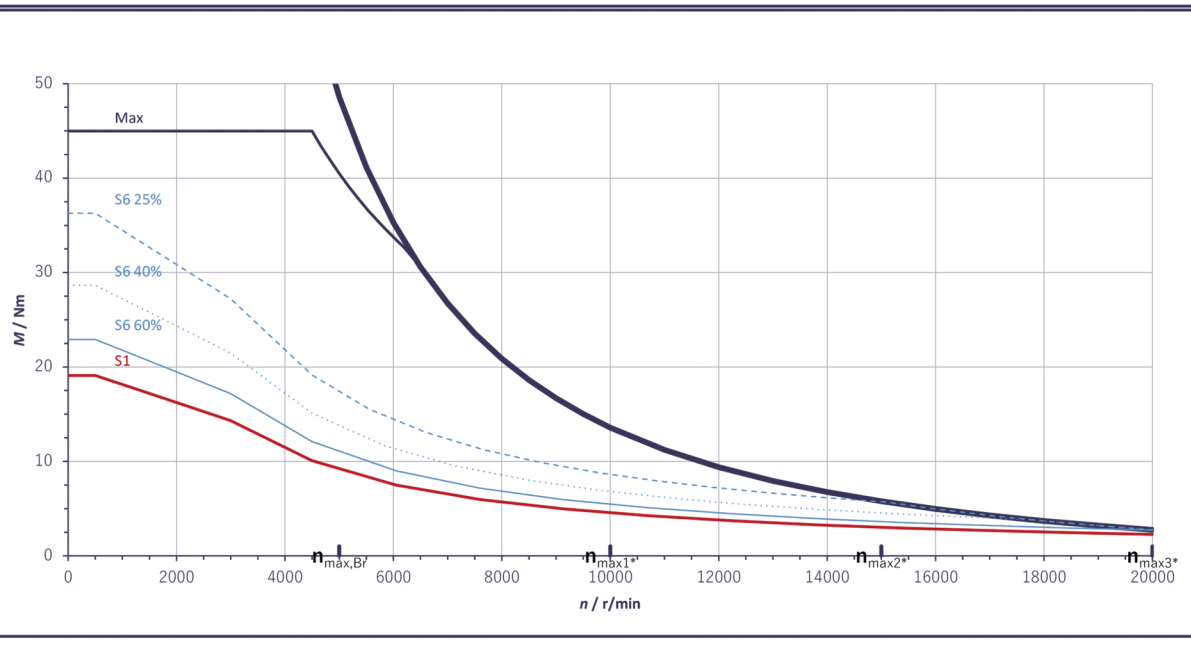




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□N0, 1PH8083-1□N1, 1PH8083-3□N0, 1PH8083-3□N1 in Star-connection

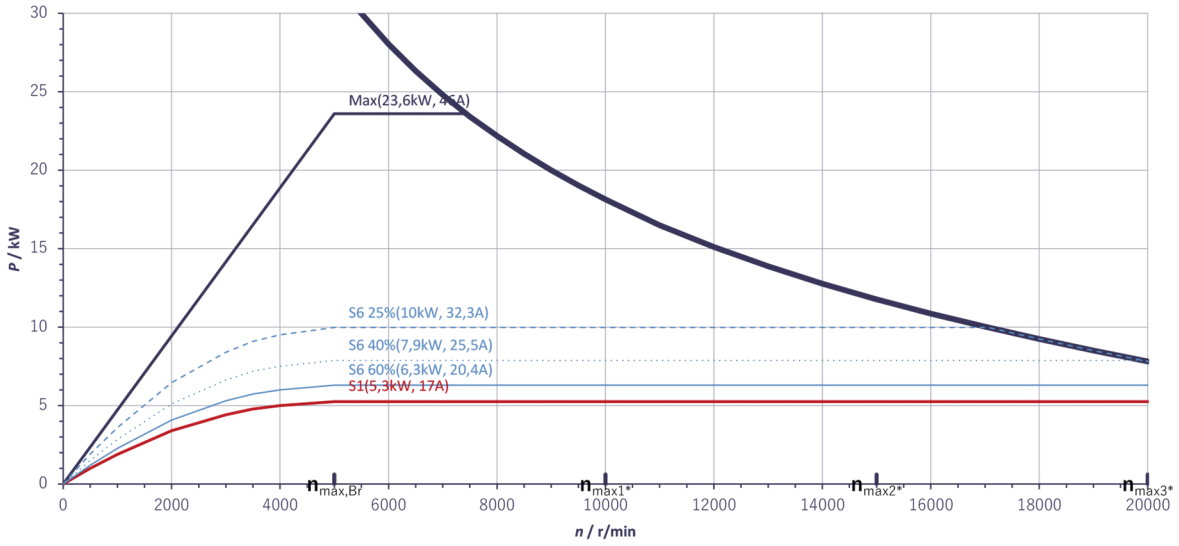
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
4500	4,8	10,1	17,0	10000	15000	20000	5000	20000	45,0	46	19	23,0

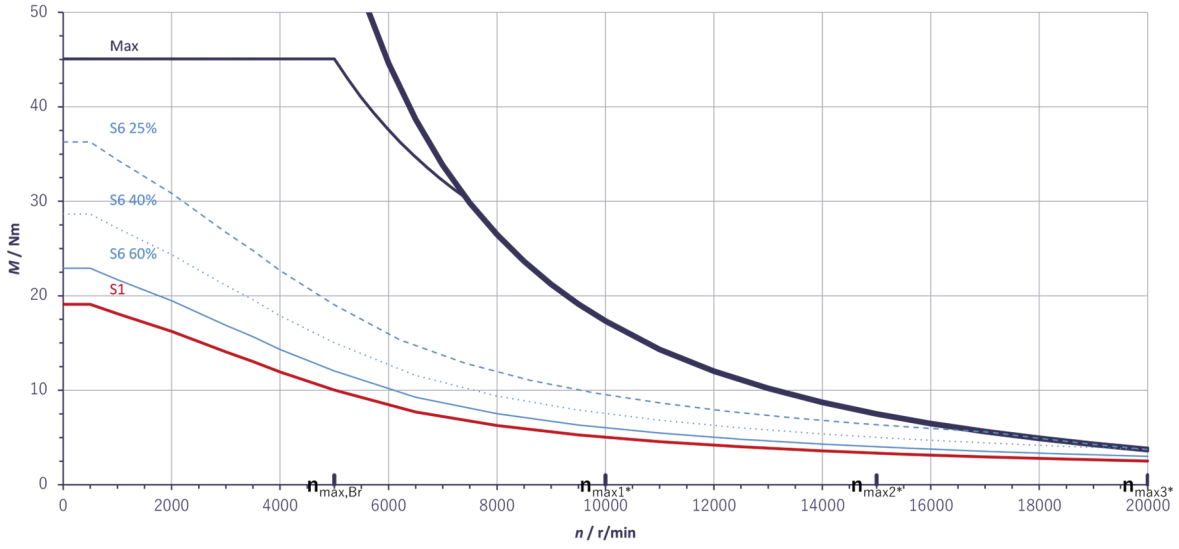




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8083-1□N0, 1PH8083-1□N1, 1PH8083-3□N0, 1PH8083-3□N1 in Star-connection

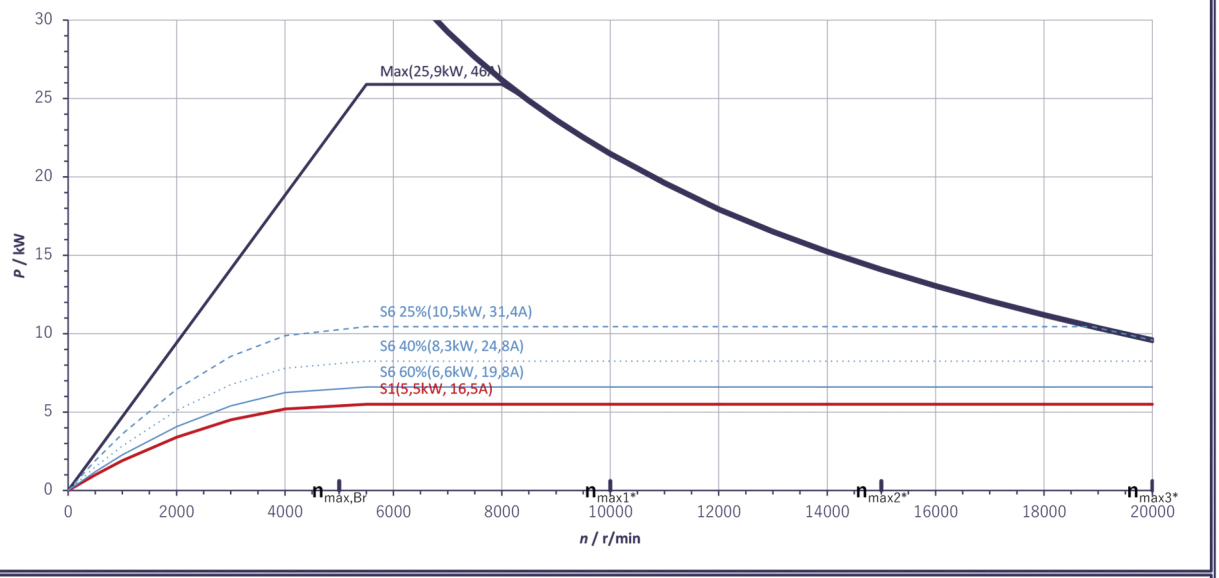
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
5000	5,3	10,0	17,0	10000	15000	20000	5000	20000	45,0	46	19	23,0
4500	4,8	10	17,0					20000				

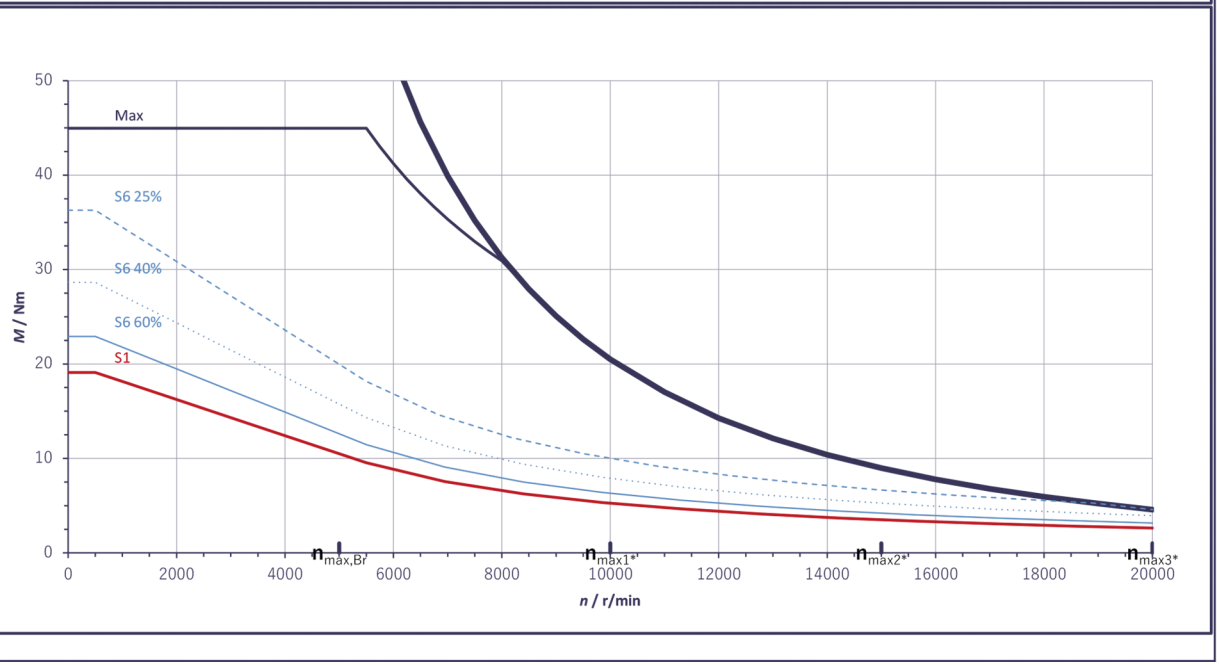




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□N0, 1PH8083-1□N1, 1PH8083-3□N0, 1PH8083-3□N1 in Star-connection

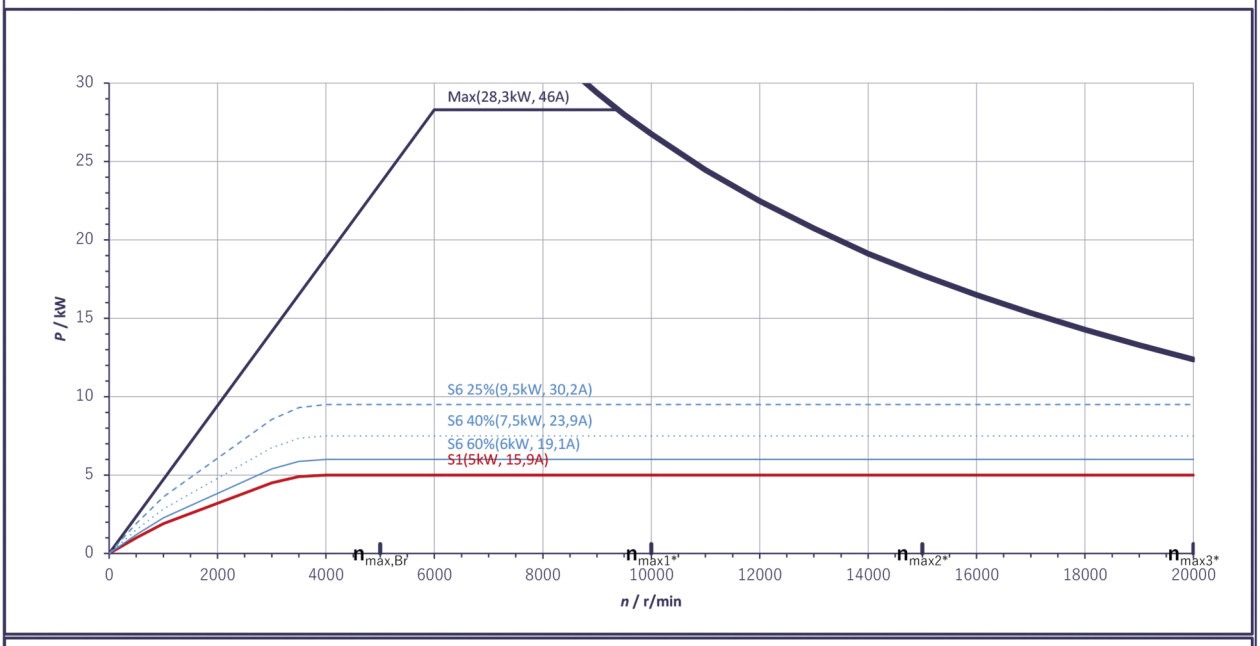
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
5500	5,5	9,6	16,5	10000	15000	20000	5000	20000	45,0	46	19	23,0

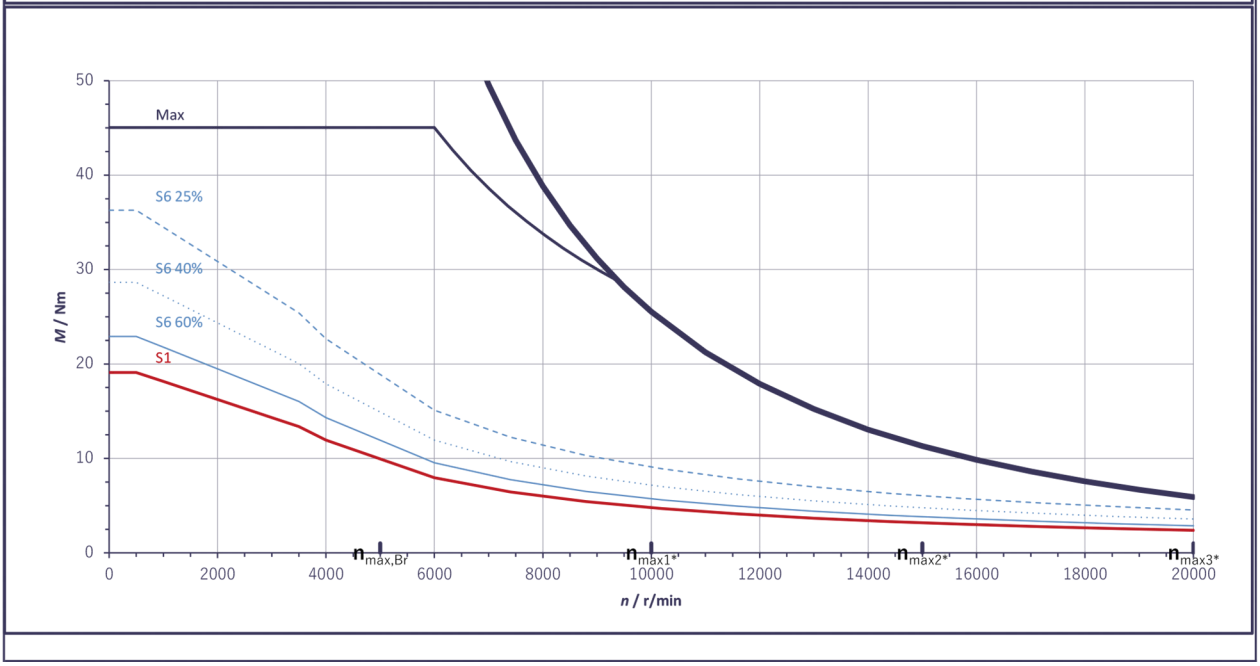




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8083-1□N0, 1PH8083-1□N1, 1PH8083-3□N0, 1PH8083-3□N1 in Star-connection

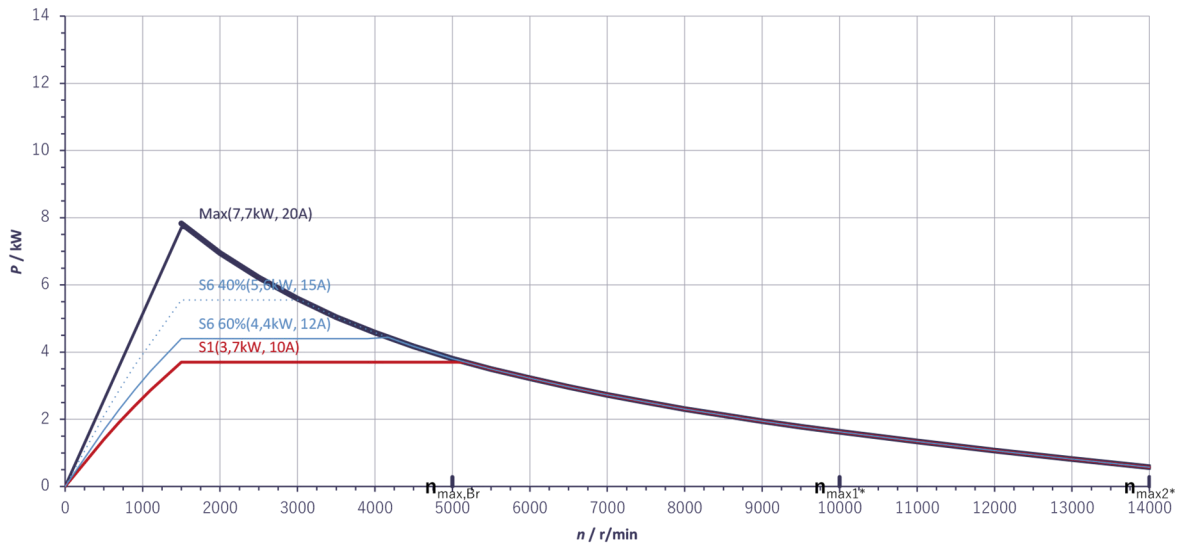
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
6000	5,0	8,0	15,9	10000	15000	20000	5000	20000	45,0	46	19	23,0

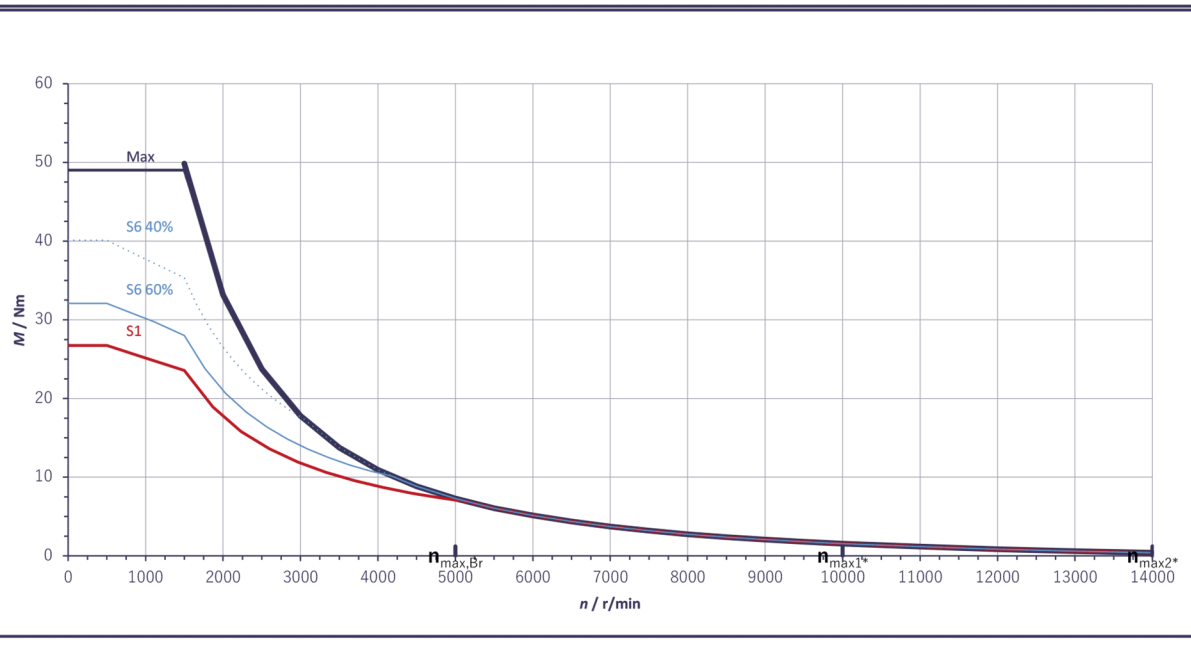




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□F0, 1PH8087-1□F1, 1PH8087-3□F0, 1PH8087-3□F1 in Star-connection

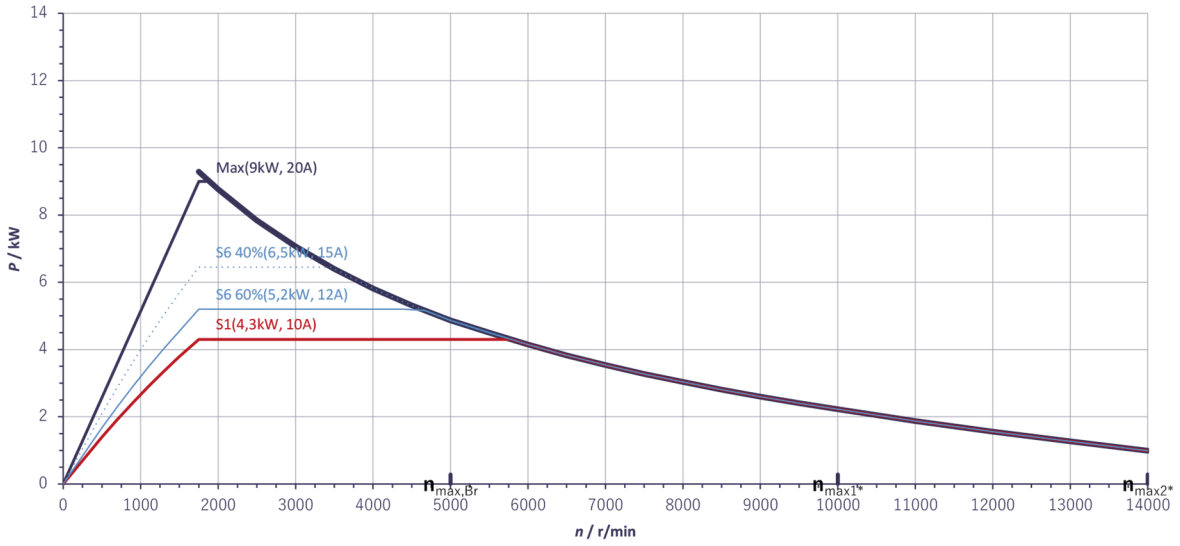
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	3,7	23,6	10,0	10000	14000	--	5000	5200	49,0	20	27	11,0

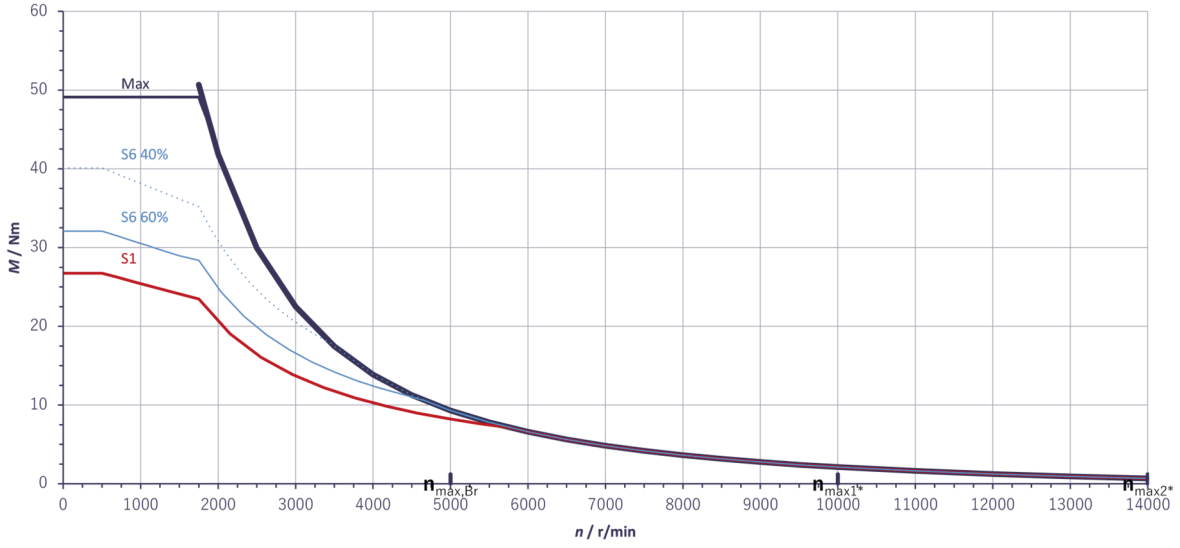




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8087-1□F0, 1PH8087-1□F1, 1PH8087-3□F0, 1PH8087-3□F1 in Star-connection

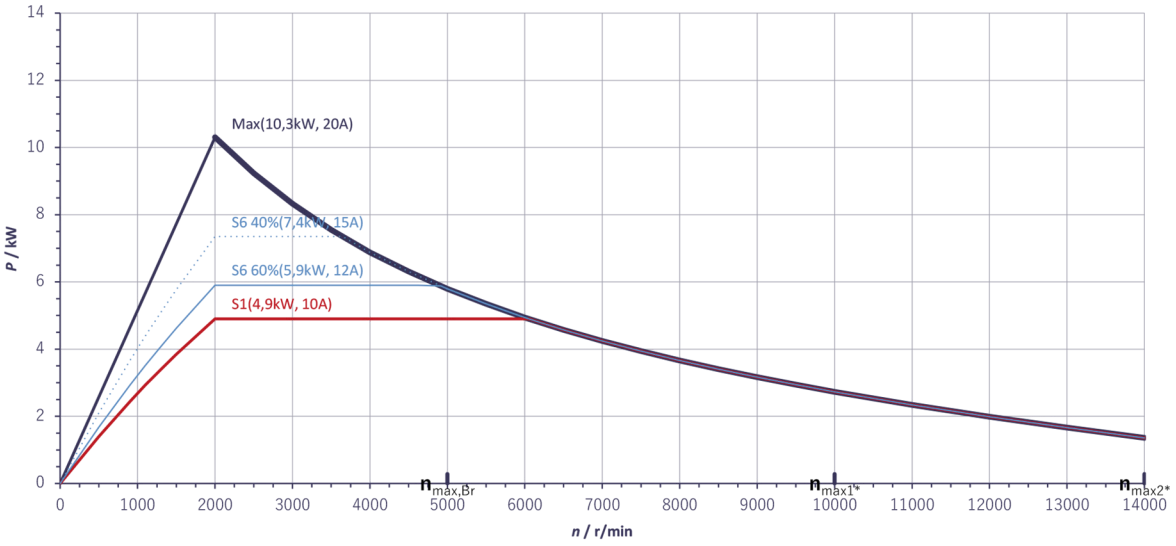
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	4,3	23,5	10,0	10000	14000	--	5000	5850	49,0	20	27	11,0
1500	3,7	24	10,0					6750				

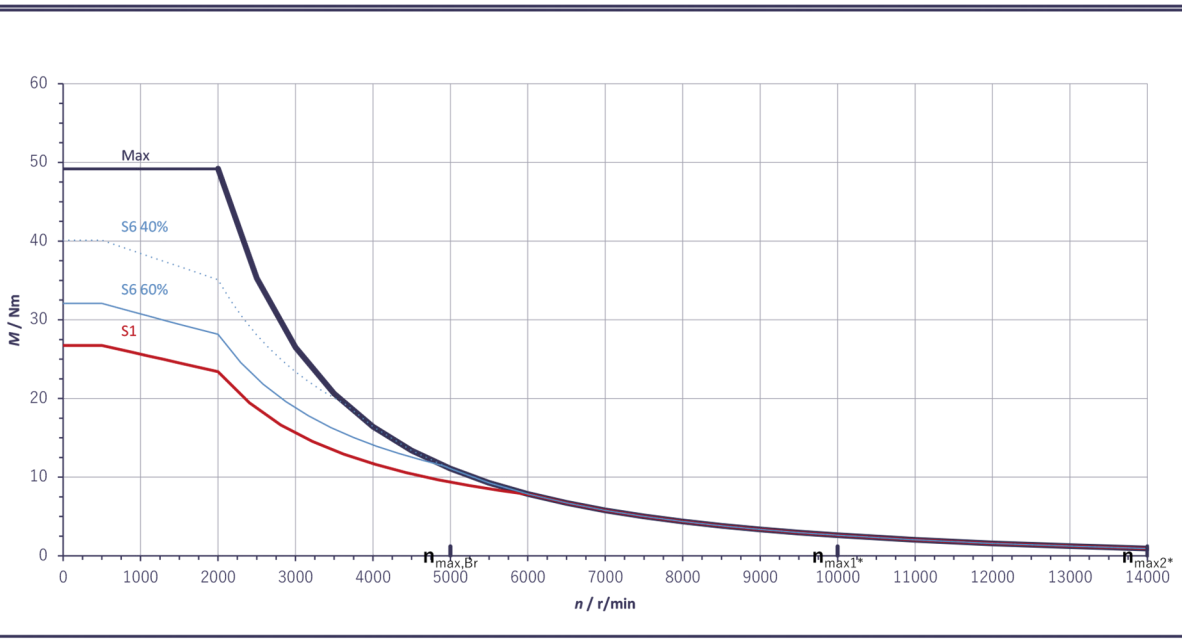




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□F0, 1PH8087-1□F1, 1PH8087-3□F0, 1PH8087-3□F1 in Star-connection

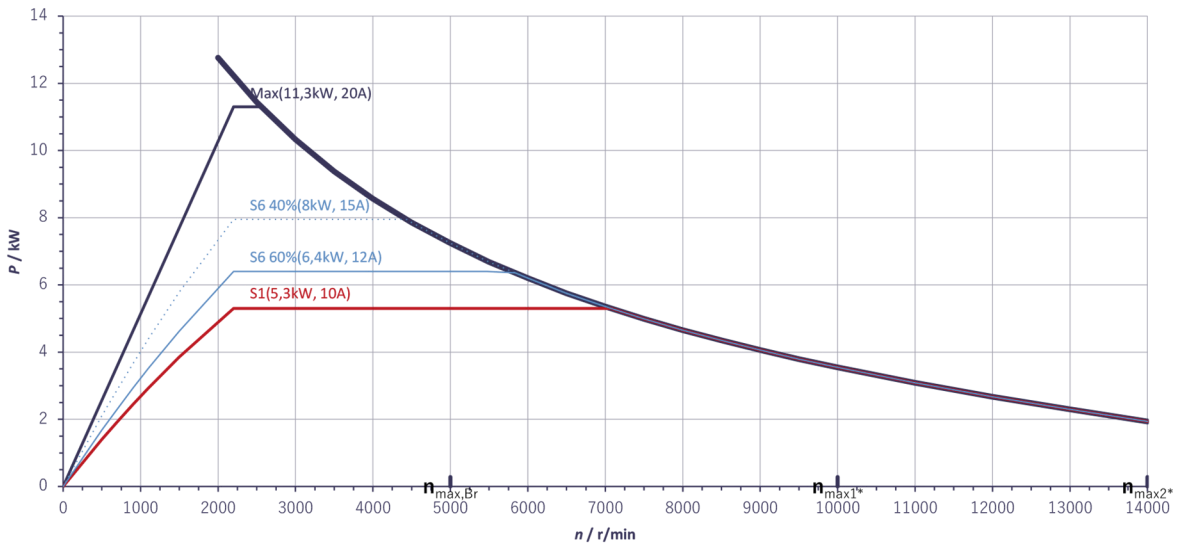
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	4,9	23,4	10,0	10000	14000	--	5000	6100	49,0	20	27	11,0

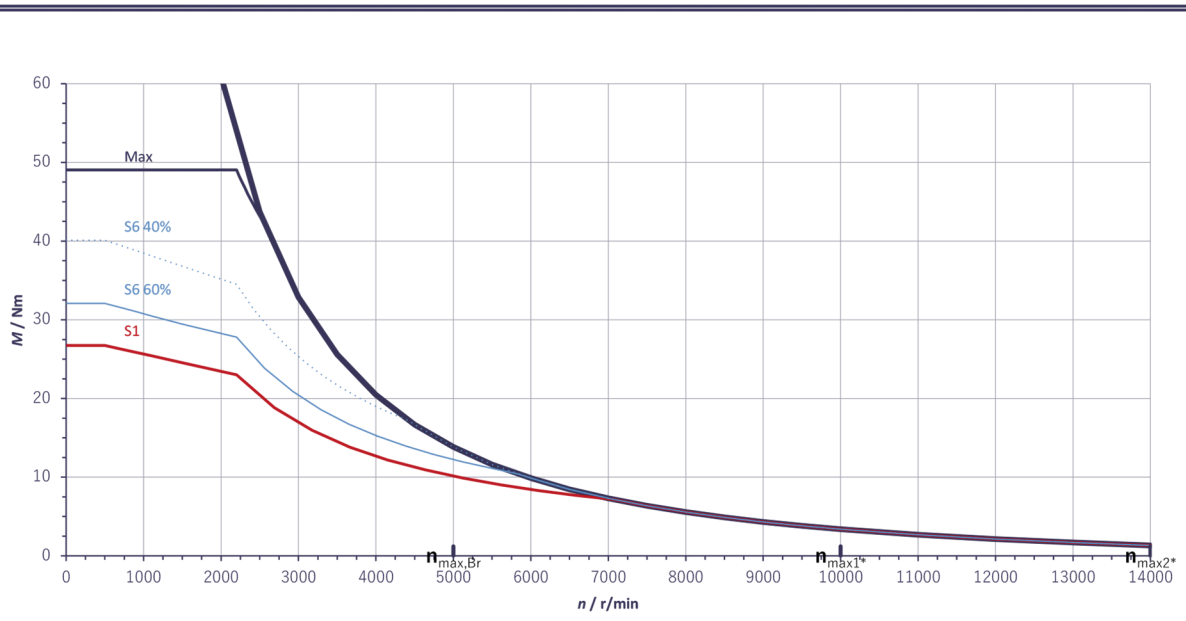




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8087-1□F0, 1PH8087-1□F1, 1PH8087-3□F0, 1PH8087-3□F1 in Star-connection

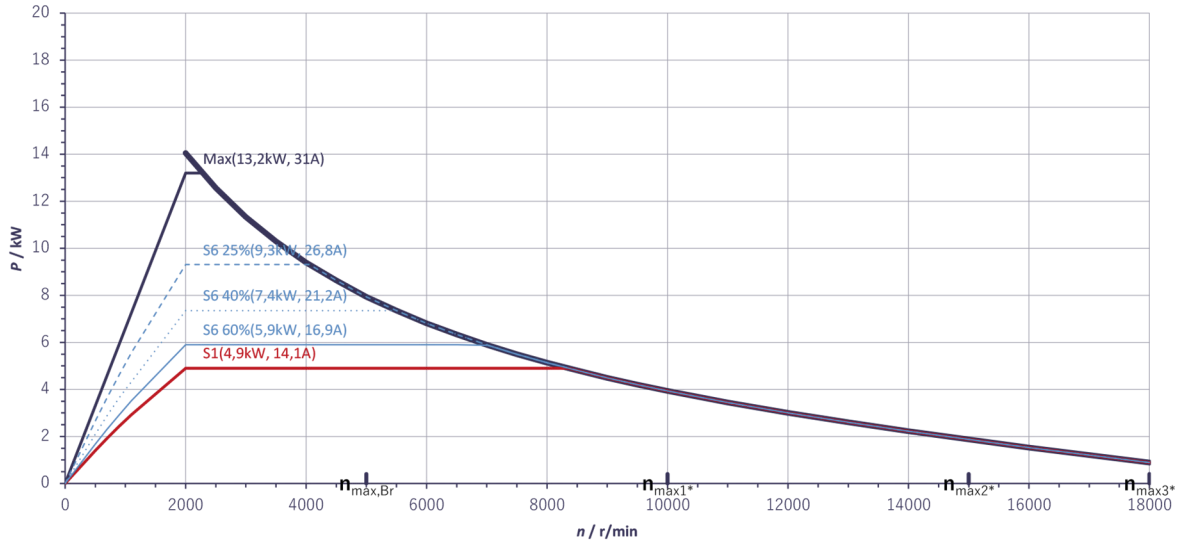
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	5,3	23,0	10,0	10000	14000	--	5000	7100	49,0	20	27	11,0

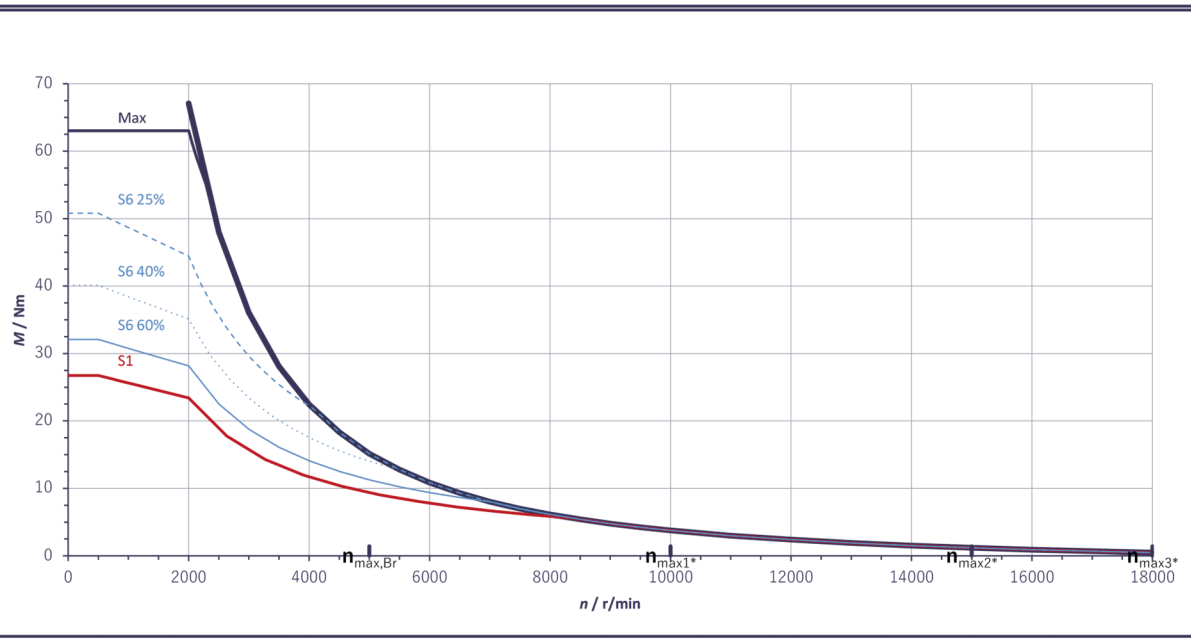




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□G0, 1PH8087-1□G1, 1PH8087-3□G0, 1PH8087-3□G1 in Star-connection

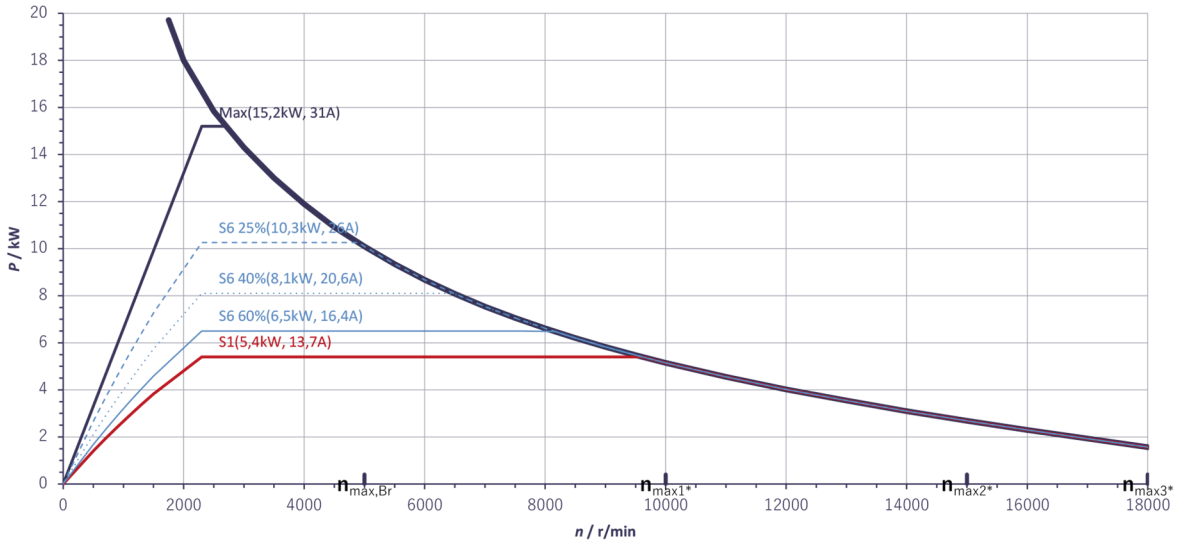
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	4,9	23,4	14,1	10000	15000	18000	5000	8400	63,0	31	27	15,0

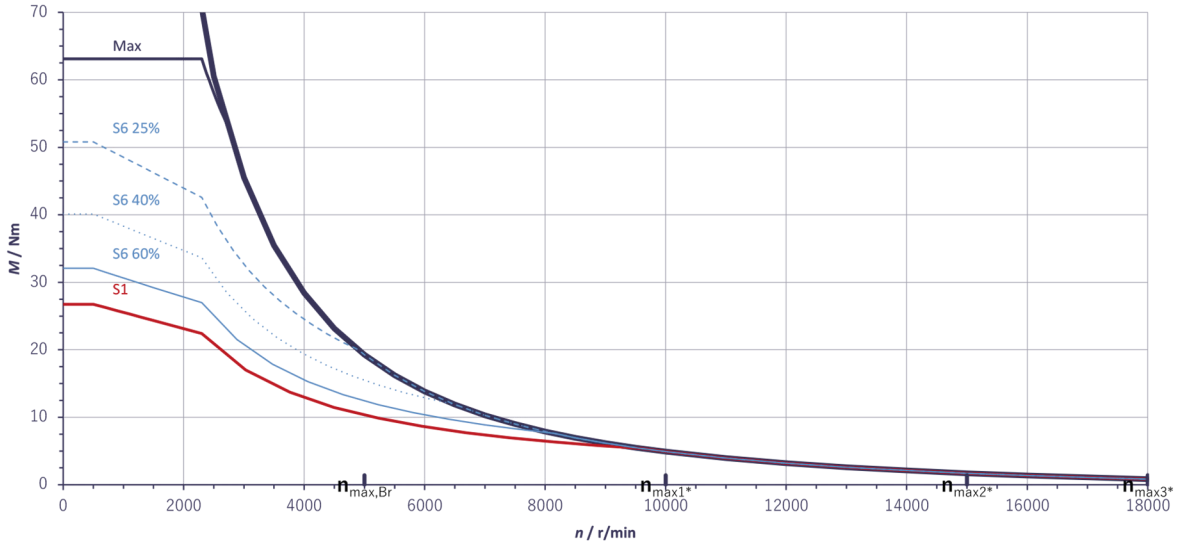




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8087-1□G0, 1PH8087-1□G1, 1PH8087-3□G0, 1PH8087-3□G1 in Star-connection

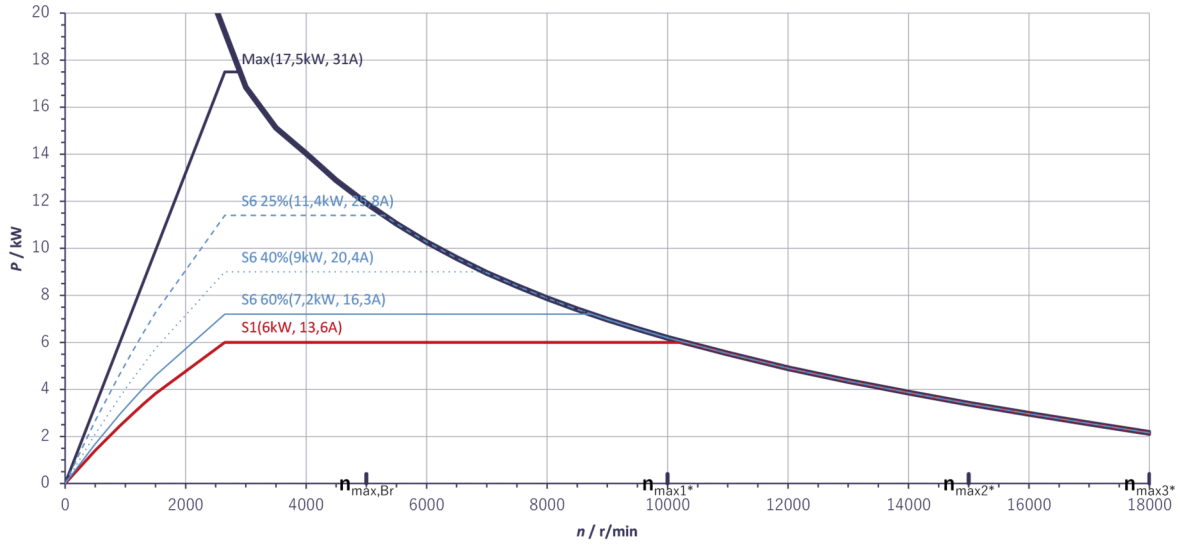
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	5,4	22,4	13,7	10000	15000	18000	5000	9650	63,0	31	27	15,0
2000	4,9	23	14,1					10450				

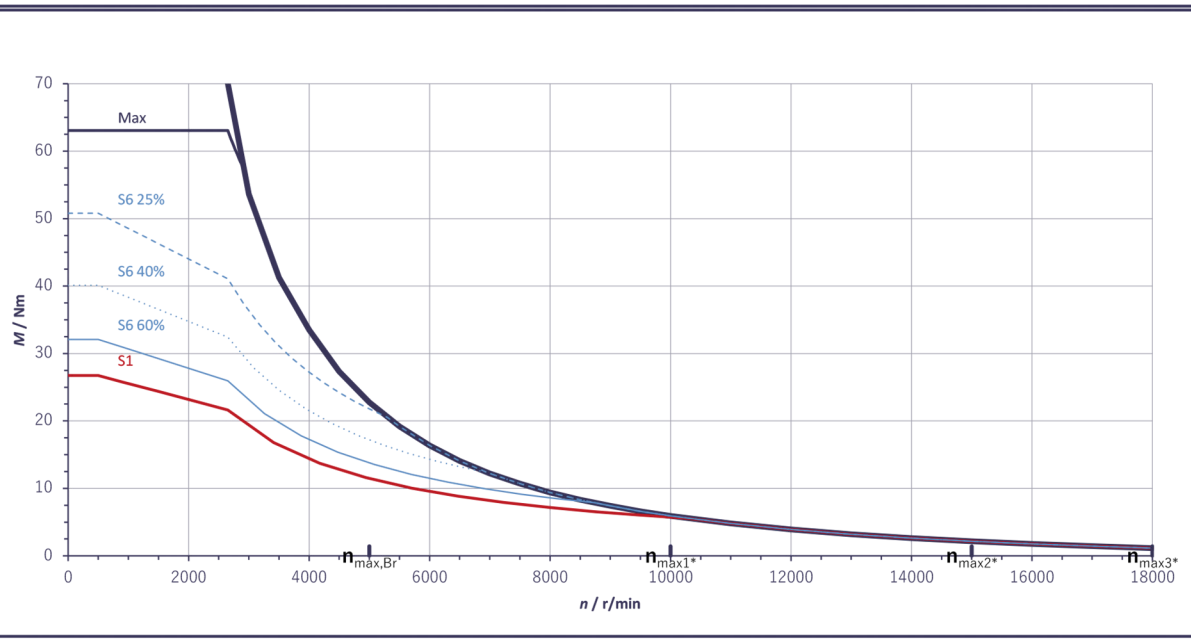




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□G0, 1PH8087-1□G1, 1PH8087-3□G0, 1PH8087-3□G1 in Star-connection

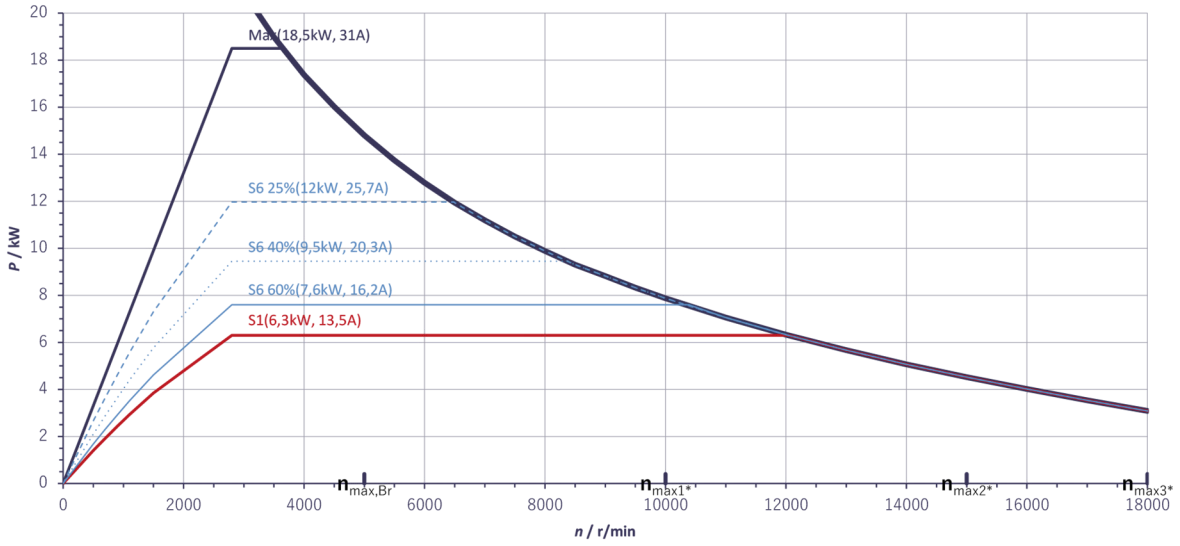
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	6,0	21,6	13,6	10000	15000	18000	5000	10300	63,0	31	27	15,0

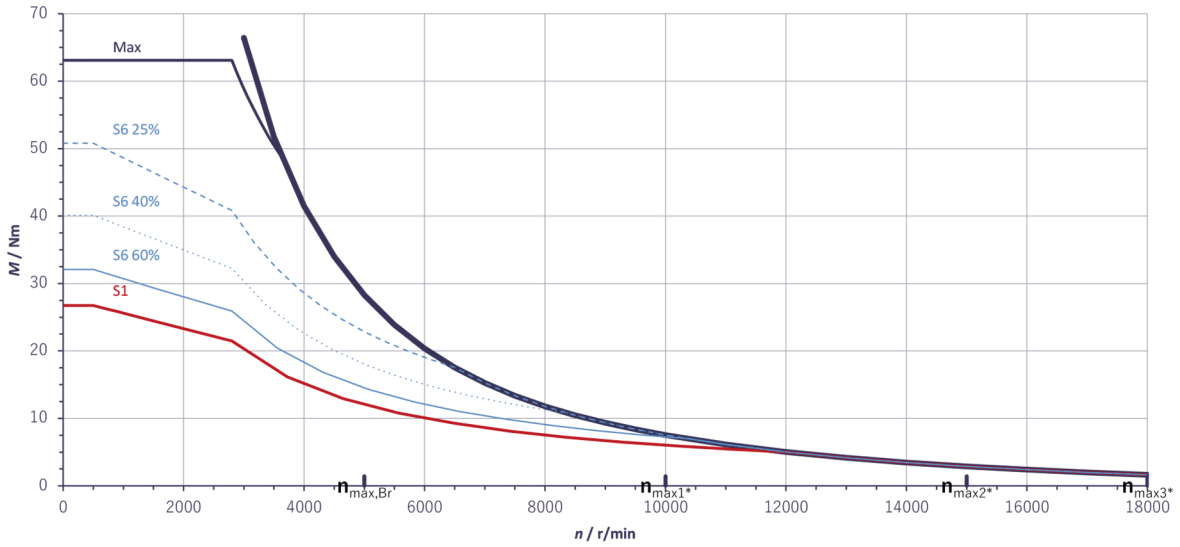




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8087-1□G0, 1PH8087-1□G1, 1PH8087-3□G0, 1PH8087-3□G1 in Star-connection

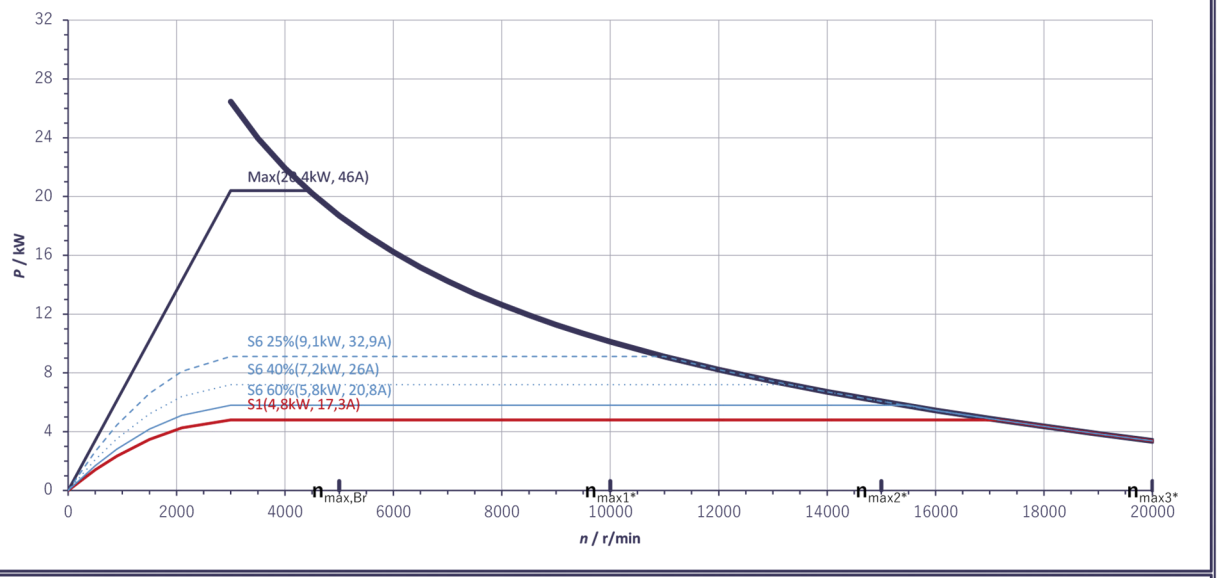
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	6,3	21,5	13,5	10000	15000	18000	5000	12000	63,0	31	27	15,0

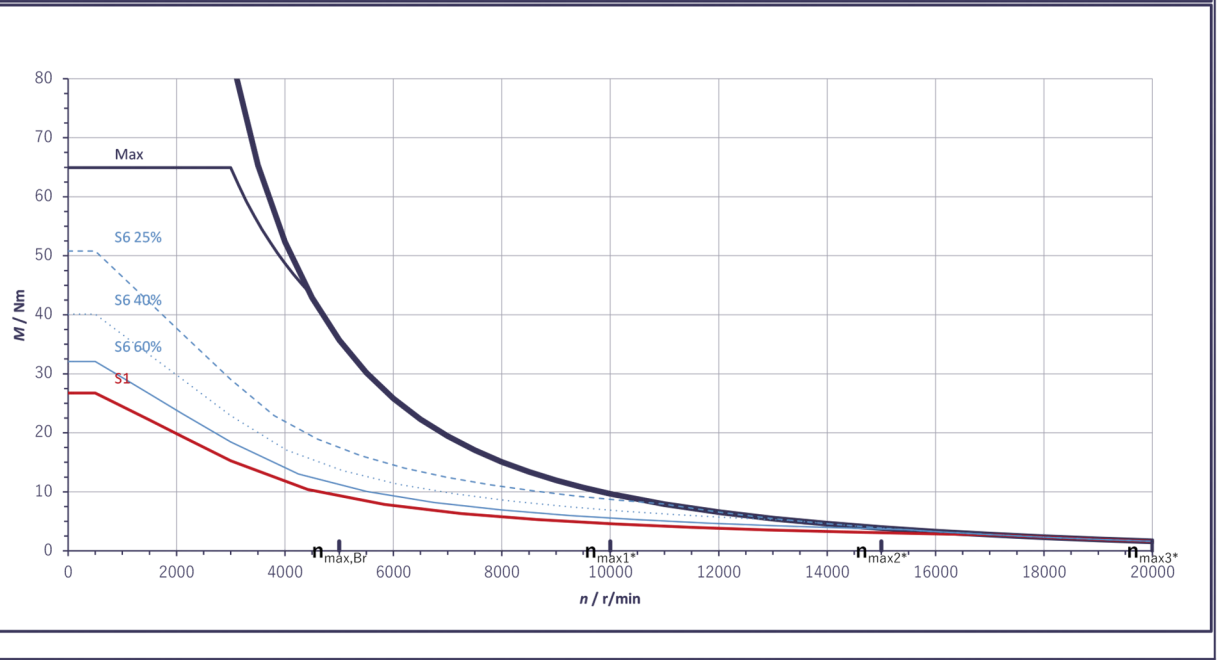




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□M0, 1PH8087-1□M1, 1PH8087-3□M0, 1PH8087-3□M1 in Star-connection

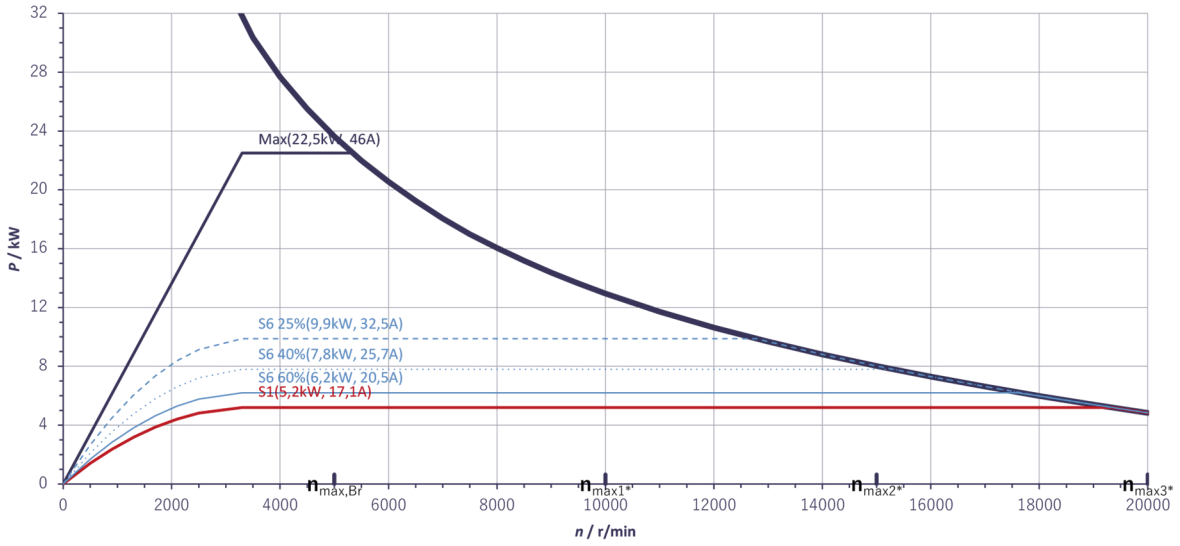
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3000	4,8	15,3	17,3	10000	15000	20000	5000	17200	65,0	46	27	23,0

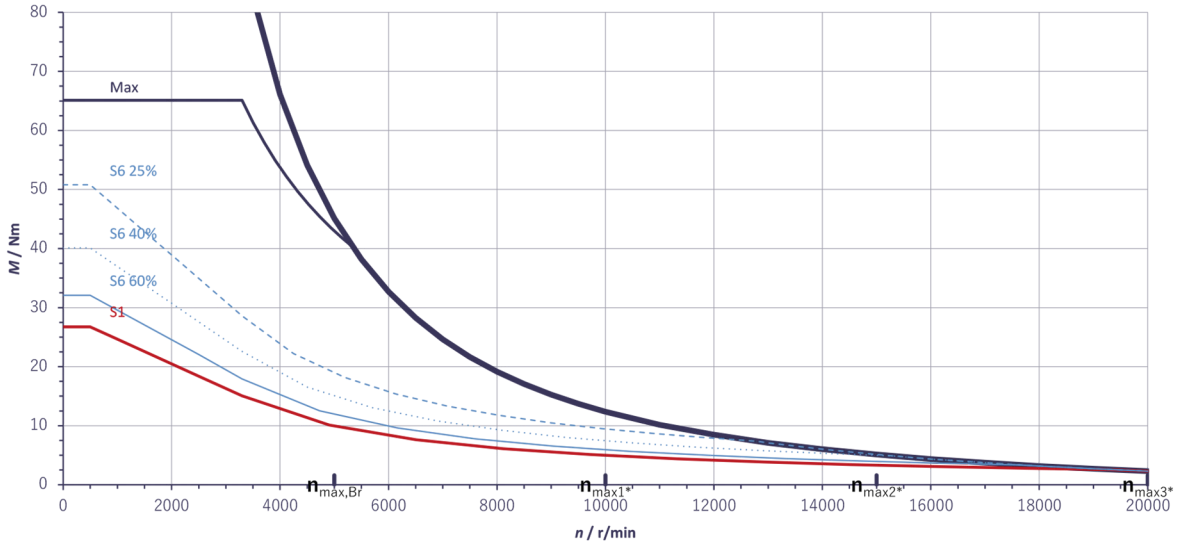




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8087-1□M0, 1PH8087-1□M1, 1PH8087-3□M0, 1PH8087-3□M1 in Star-connection

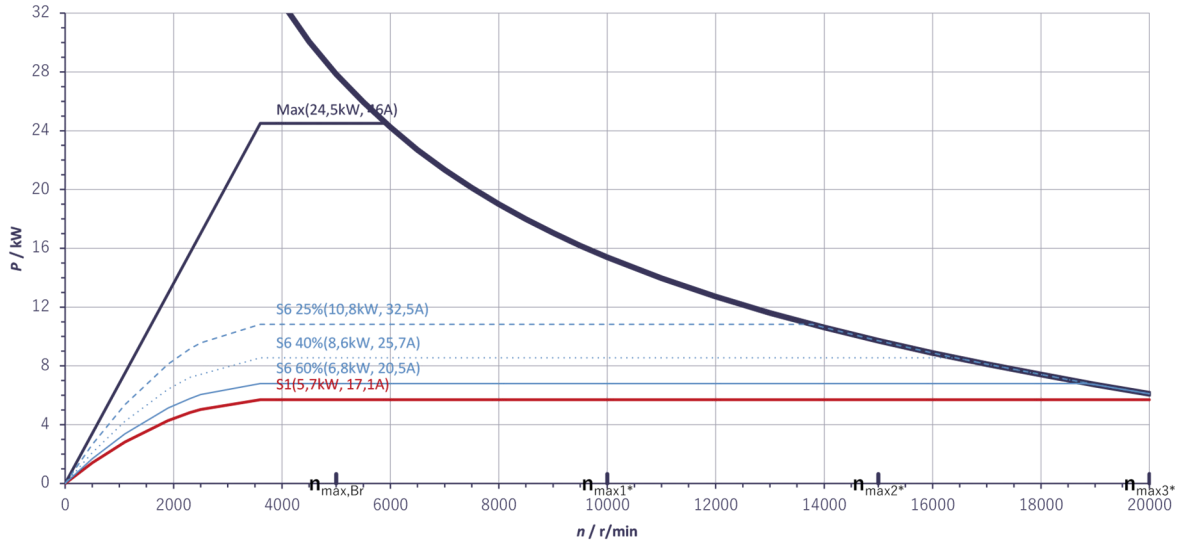
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3300	5,2	15,0	17,1	10000	15000	20000	5000	19400	65,0	46	27	23,0
3000	4,8	15	17,3					20000				

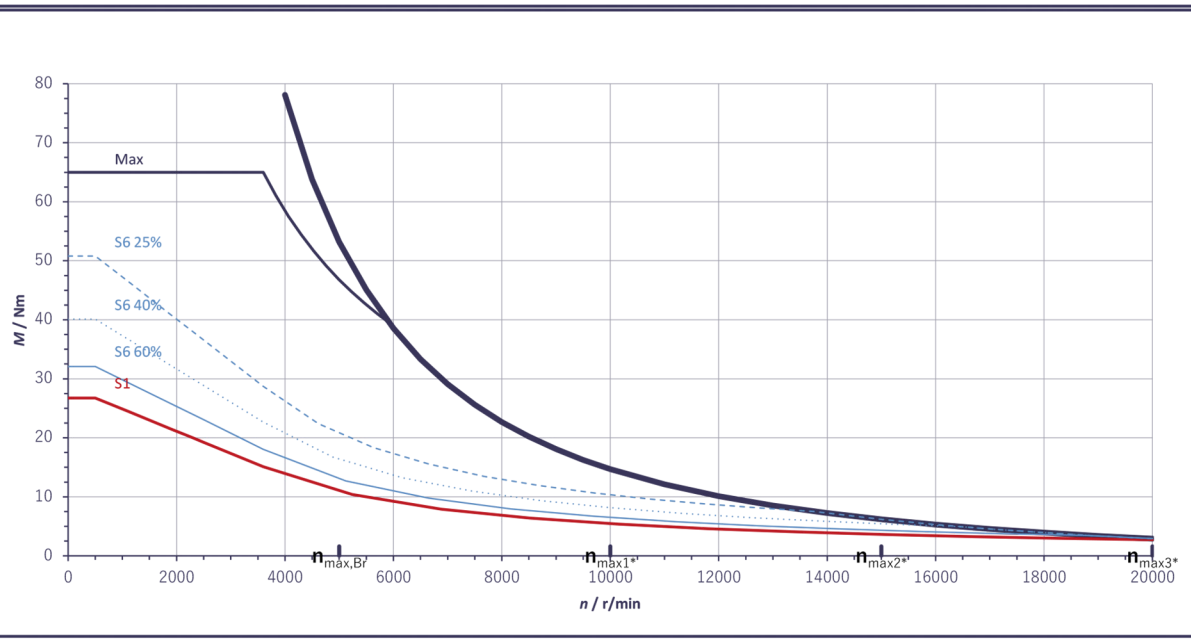




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□M0, 1PH8087-1□M1, 1PH8087-3□M0, 1PH8087-3□M1 in Star-connection

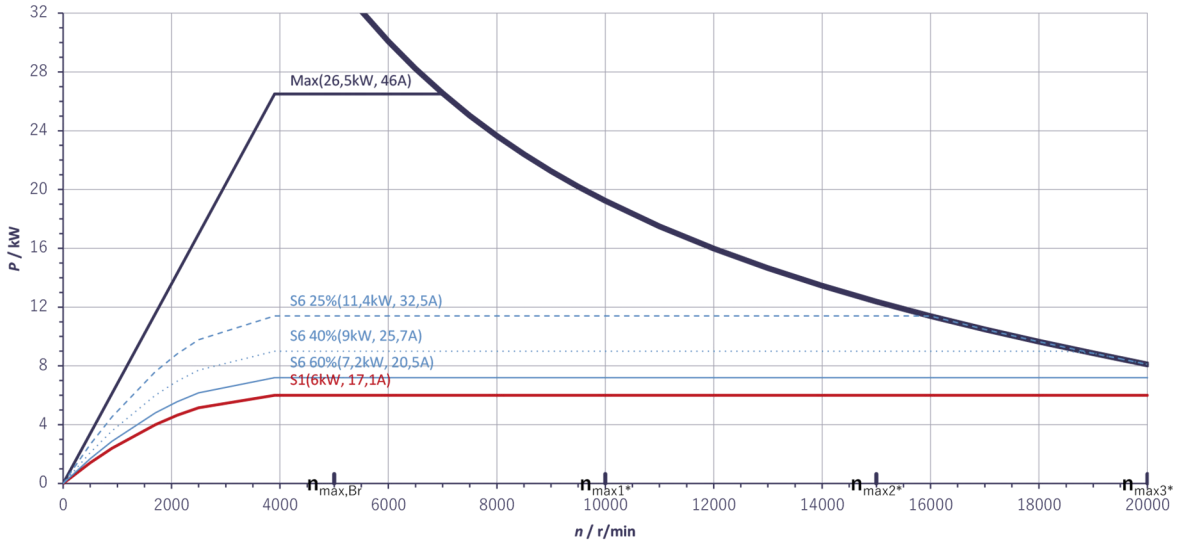
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3600	5,7	15,1	17,1	10000	15000	20000	5000	20000	65,0	46	27	23,0

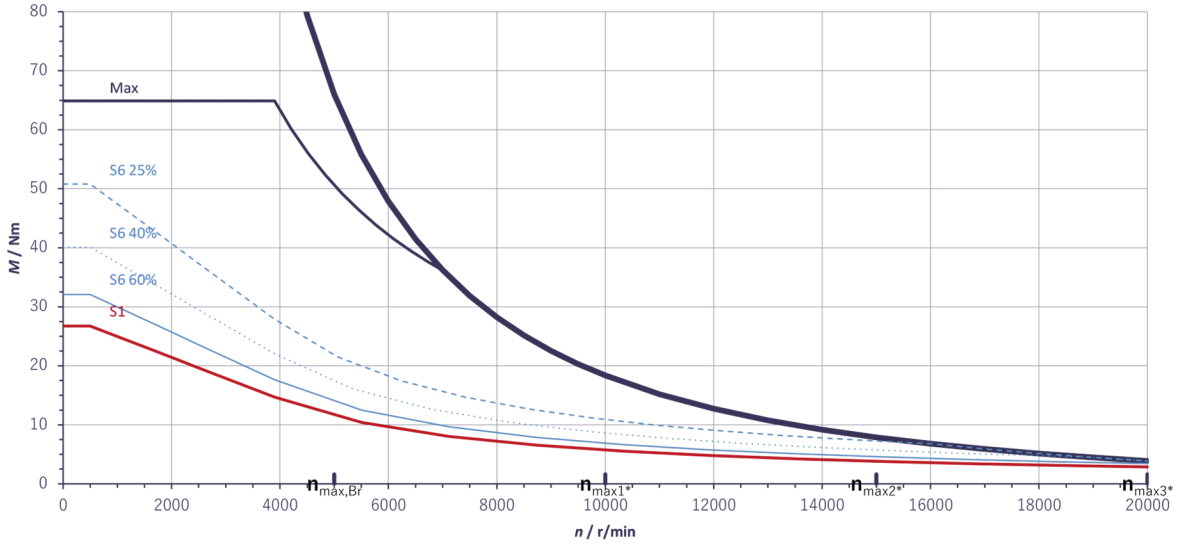




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8087-1□M0, 1PH8087-1□M1, 1PH8087-3□M0, 1PH8087-3□M1 in Star-connection

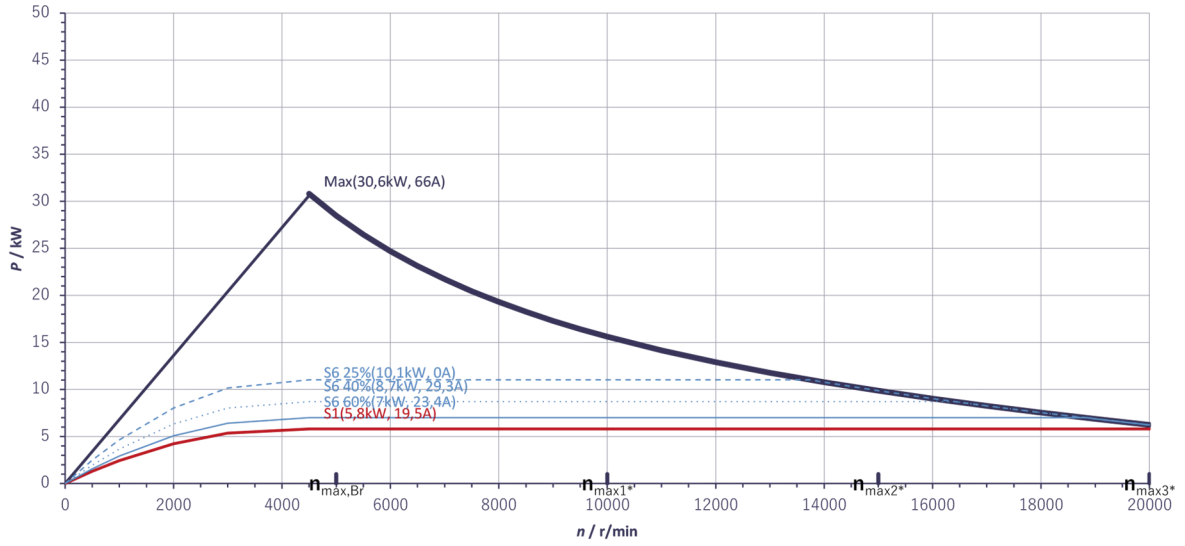
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3900	6,0	14,7	17,1	10000	15000	20000	5000	20000	65,0	46	27	23,0

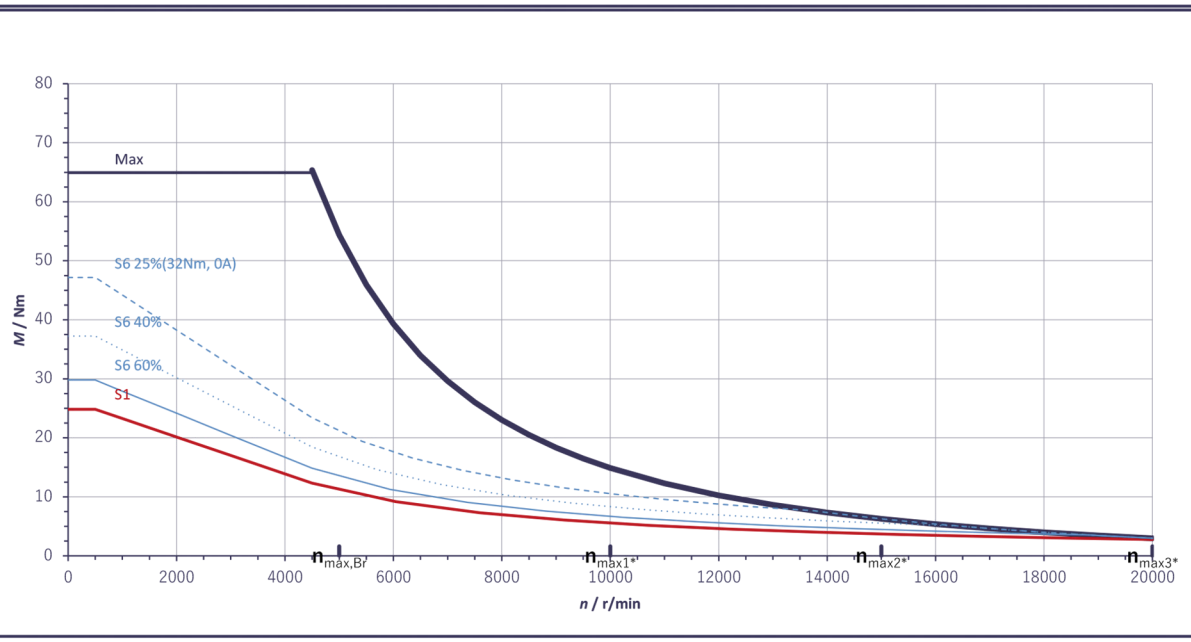




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□N0, 1PH8087-1□N1, 1PH8087-3□N0, 1PH8087-3□N1 in Star-connection

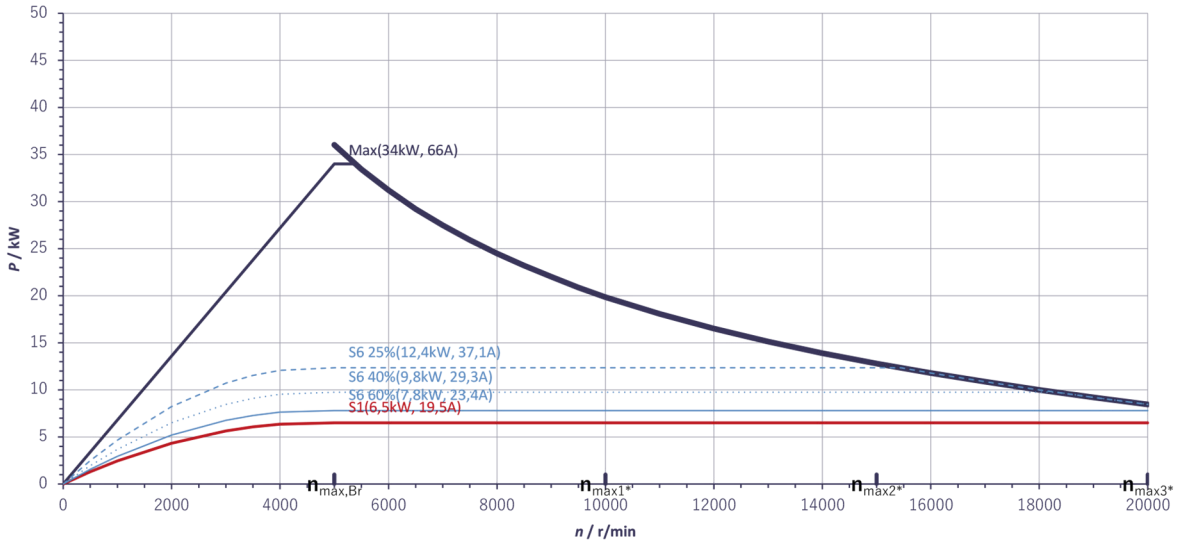
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
4500	5,8	12,3	19,5	10000	15000	20000	5000	20000	65,0	66	25	28,0

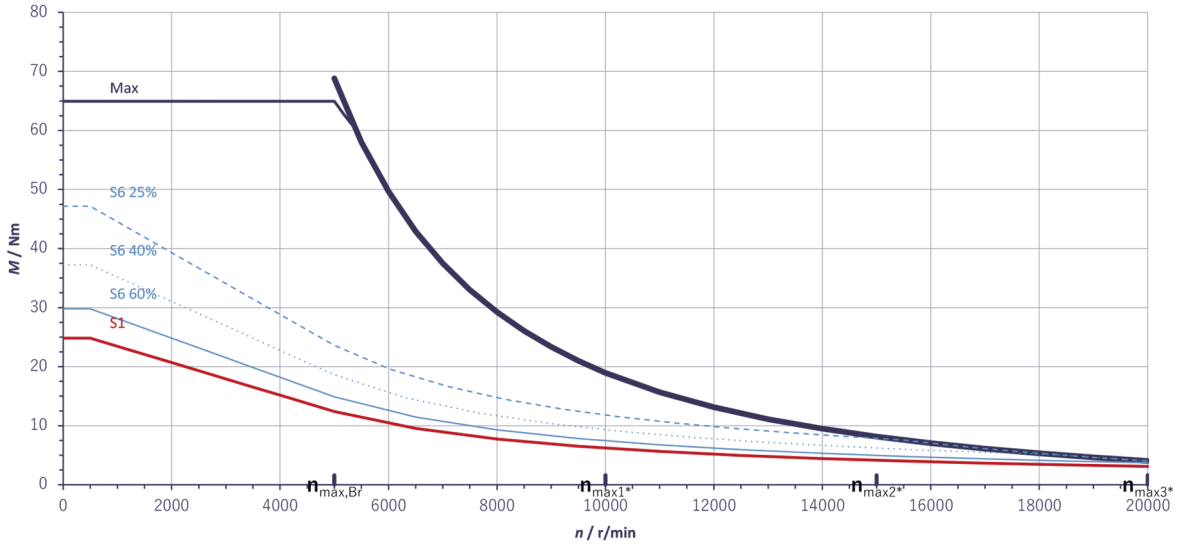




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8087-1□N0, 1PH8087-1□N1, 1PH8087-3□N0, 1PH8087-3□N1 in Star-connection

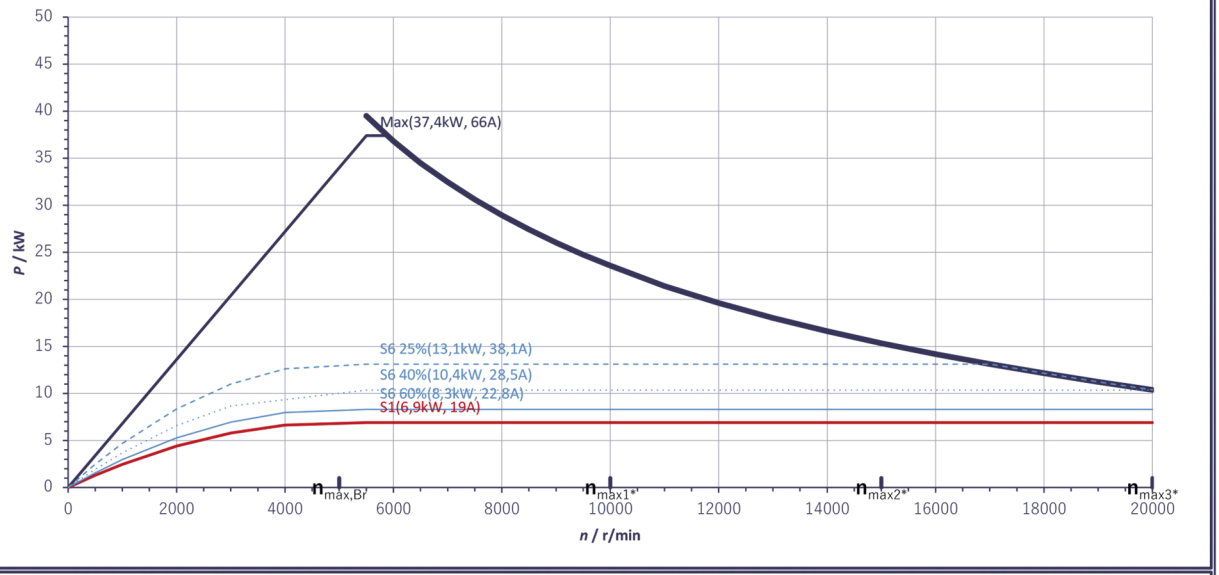
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
5000	6,5	12,4	19,5	10000	15000	20000	5000	20000	65,0	66	25	28,0
4500	5,8	12	19,5					20000				

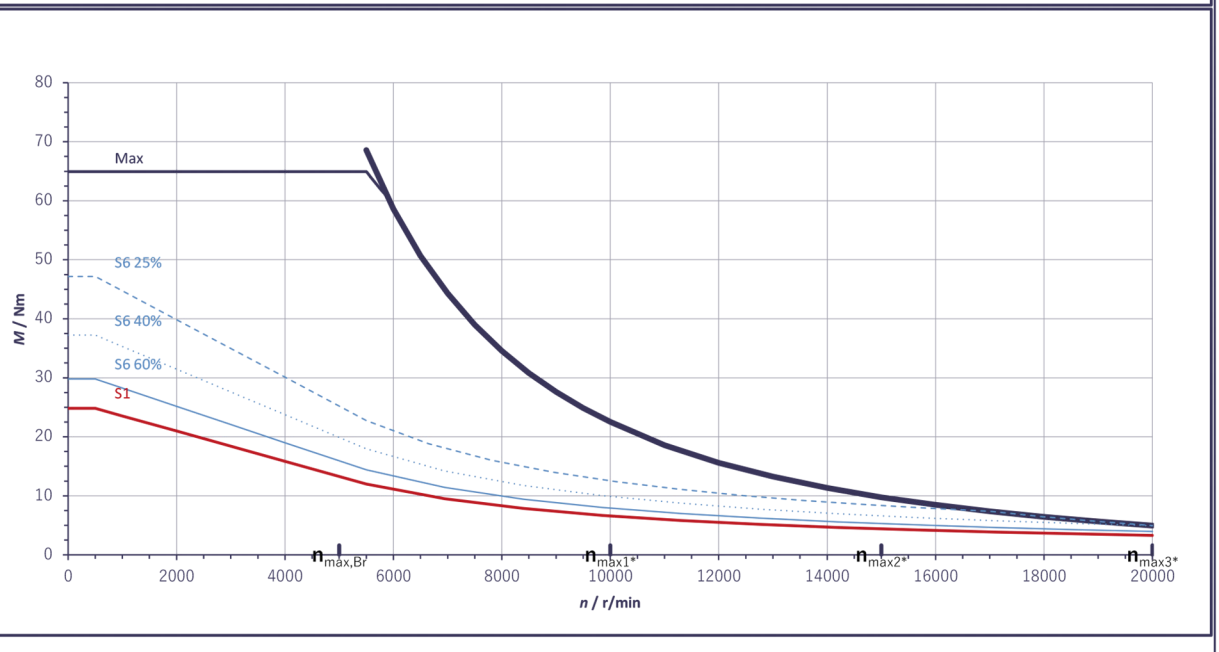




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□N0, 1PH8087-1□N1, 1PH8087-3□N0, 1PH8087-3□N1 in Star-connection

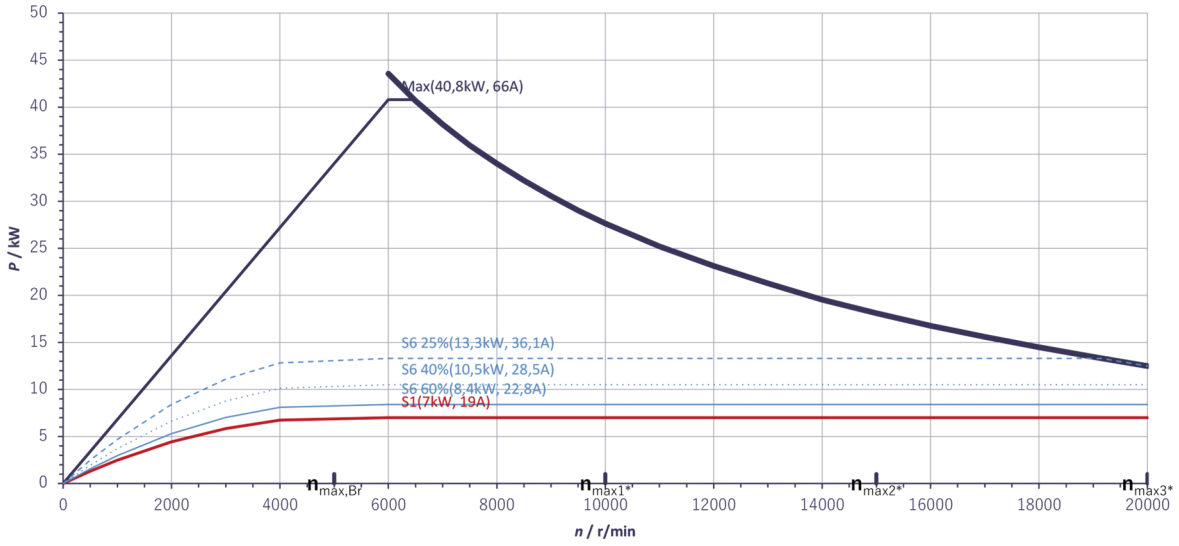
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
5500	6,9	12,0	19,0	10000	15000	20000	5000	20000	65,0	66	25	28,0

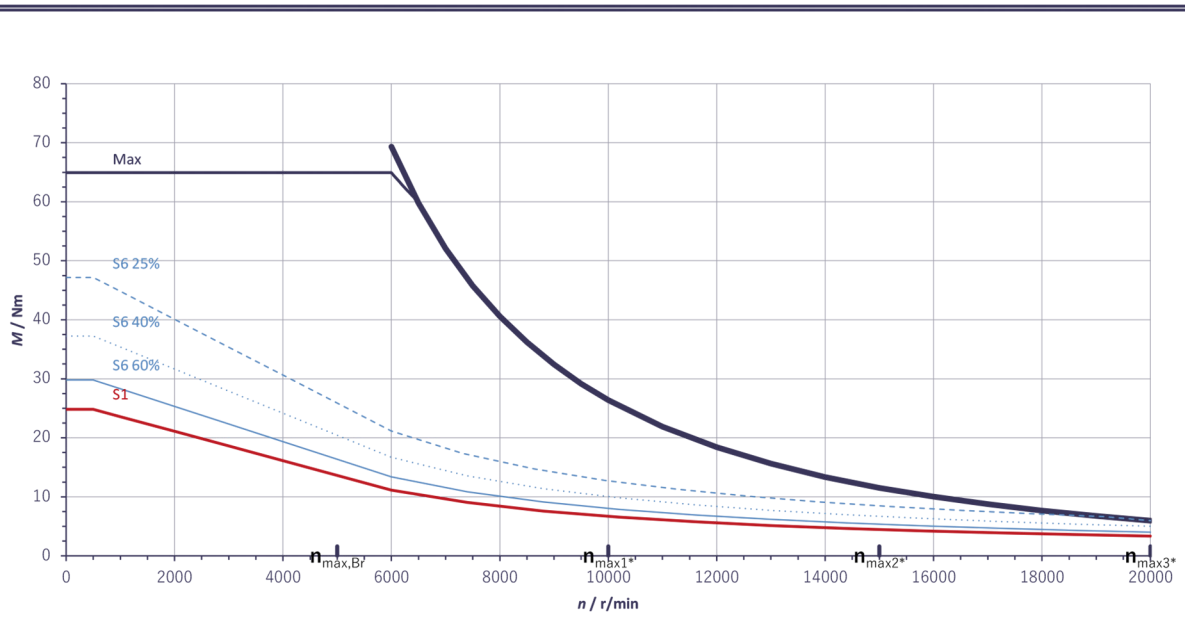




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8087-1□N0, 1PH8087-1□N1, 1PH8087-3□N0, 1PH8087-3□N1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
6000	7,0	11,1	19,0	10000	15000	20000	5000	20000	65,0	66	25	28,0





2.2.2 Shaft height 80 - forced ventilation - Premium Performance

2.2.2.1 Note on symbols in the characteristic curves

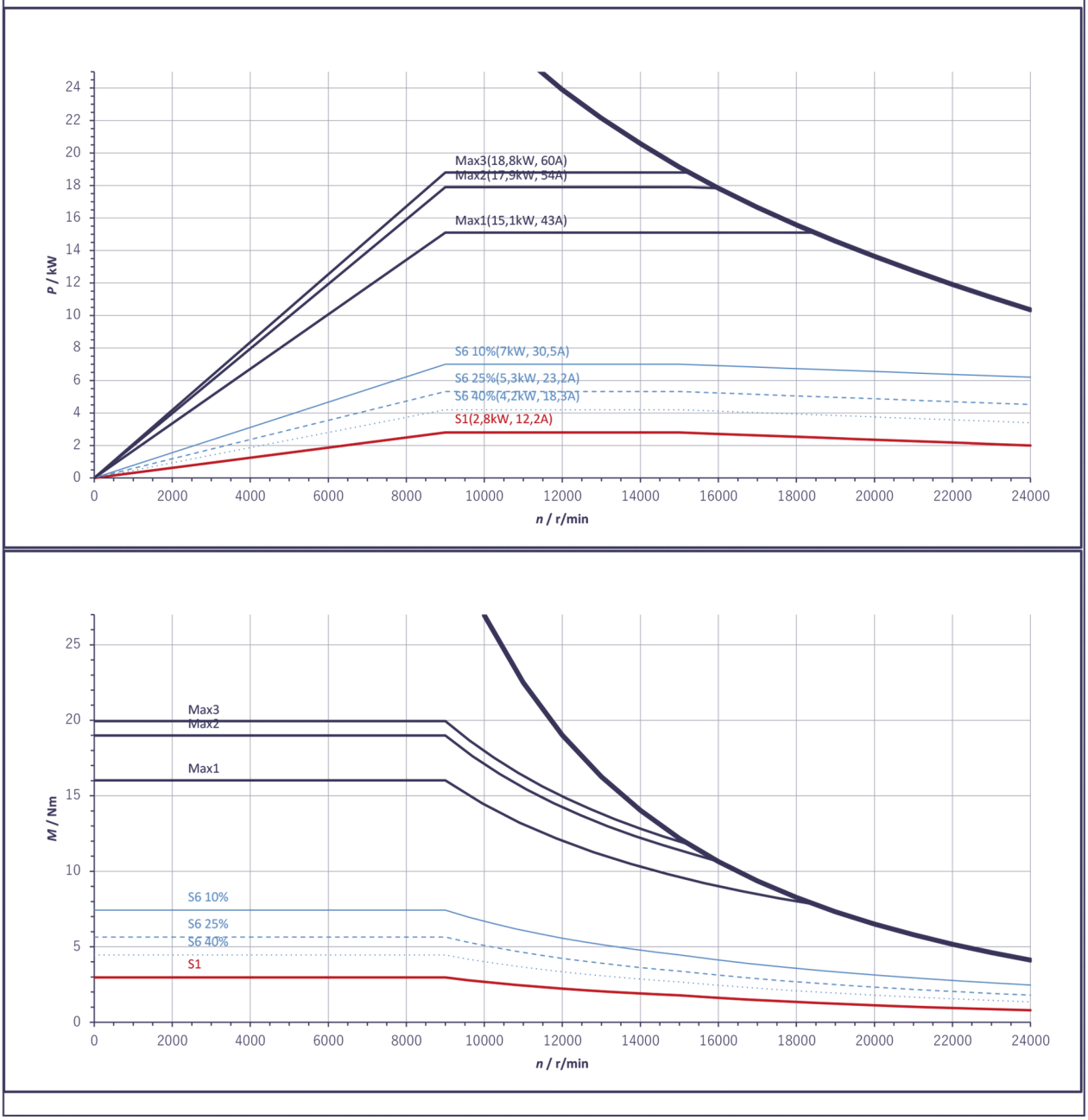
Note

Symbols of the characteristic curves for 1PH808 Premium Performance

You will find the explanation of the symbols for these motors in Chapter "Configuration for 1PH808 Premium Performance."

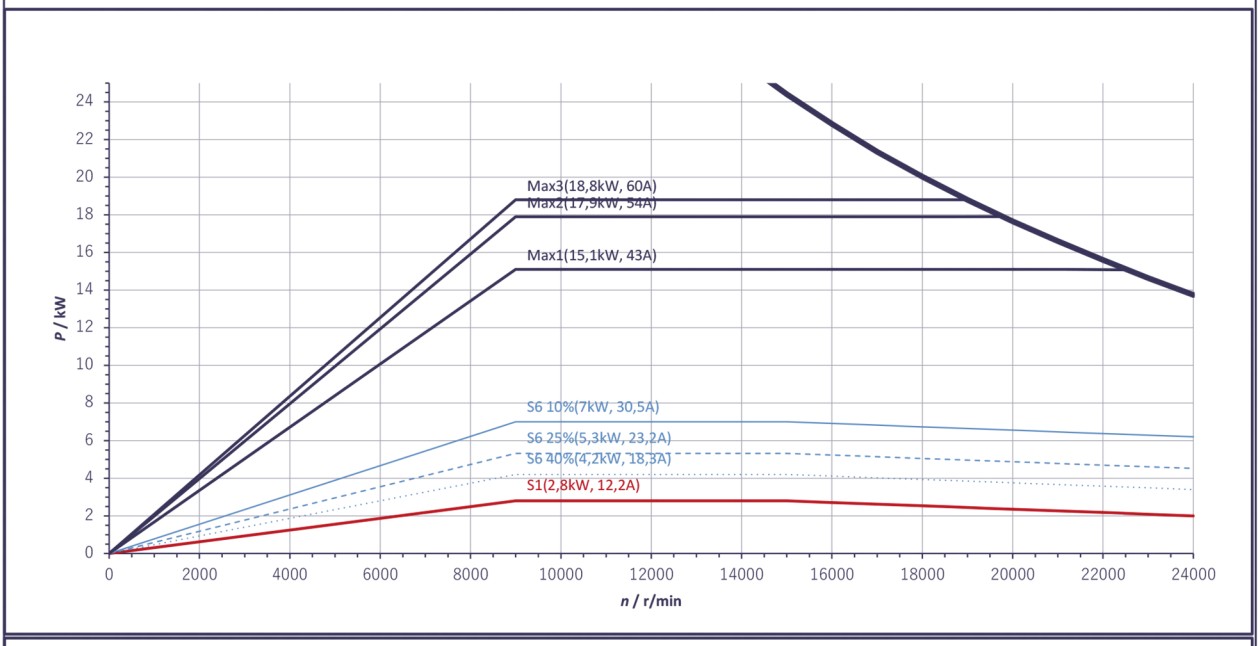
SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8081-1□U0, 1PH8081-1□U1 in Star-connection

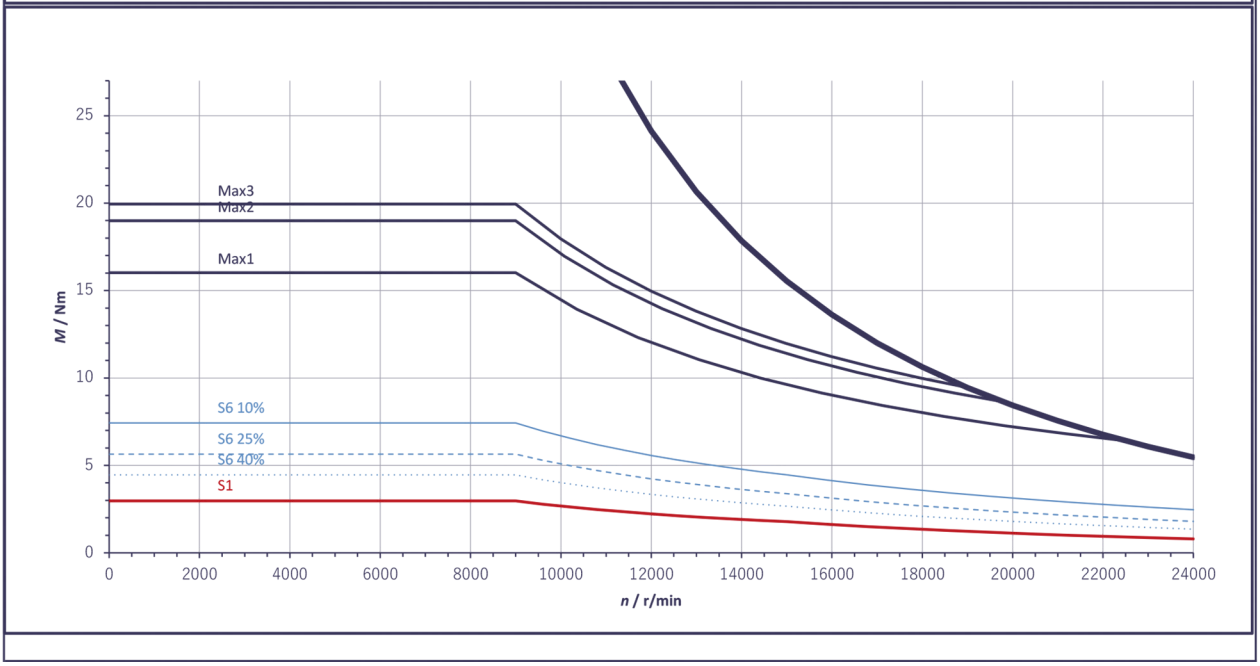
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
9000	2,8	3,0	12,2	15000	24000	43	54	60	16	19	20	4



SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8081-1□U0, 1PH8081-1□U1 in Star-connection

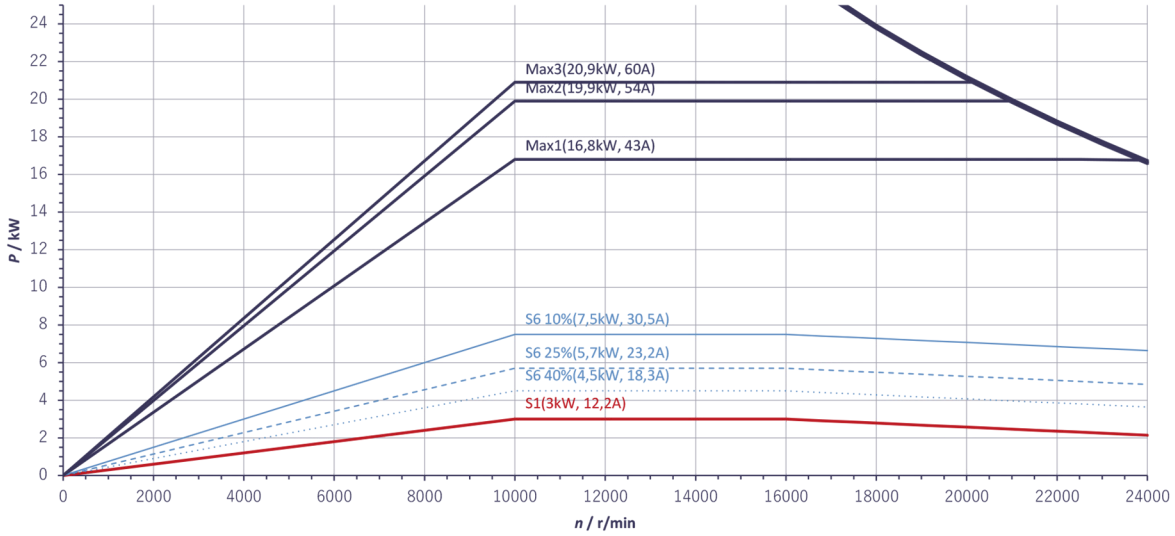
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
9000	2,8	3,0	12,2	15000	24000	43	54	60	16	19	20	4

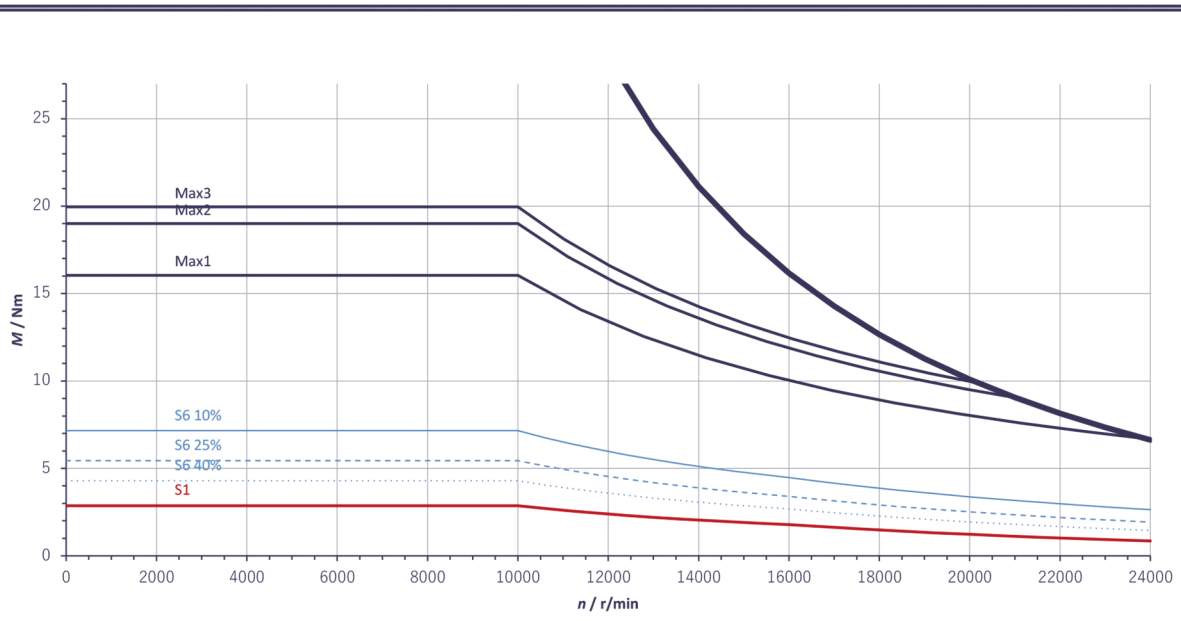




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8081-1□U0, 1PH8081-1□U1 in Star-connection

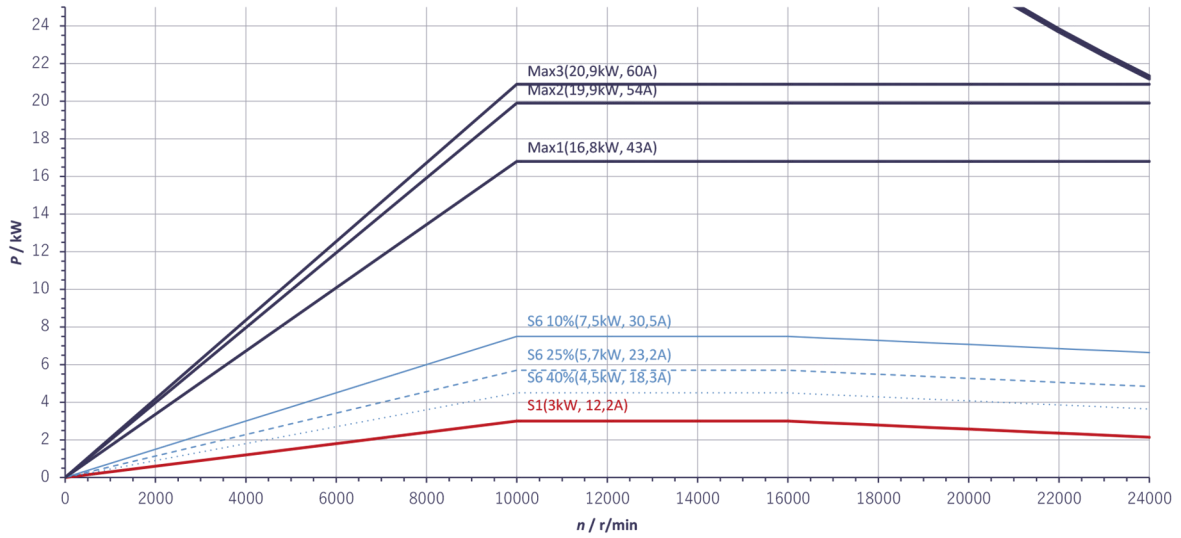
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
10000	3,0	2,9	12,2	16000	24000	43	54	60	16	19	20	4

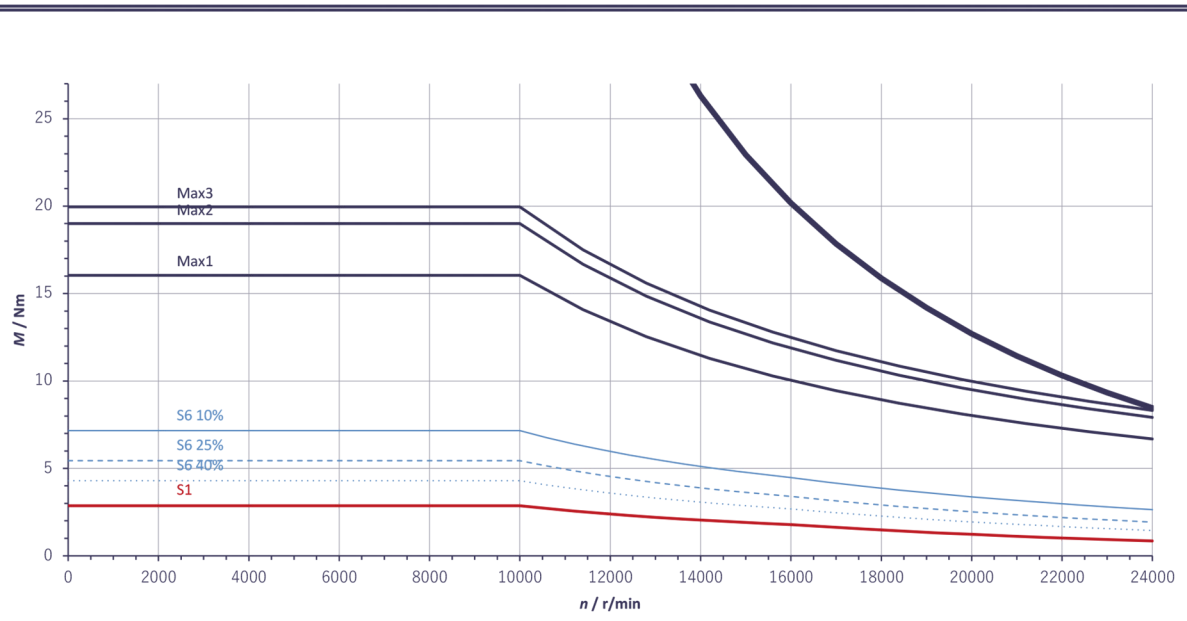




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8081-1□U0, 1PH8081-1□U1 in Star-connection

n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
10000	3,0	2,9	12,2	16000	24000	43	54	60	16	19	20	4





SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8081-1□V0, 1PH8081-1□V1 in Star-connection

n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
9000	3,5	3,7	15,5	15000	24000	33	51	60	13	20	24	8

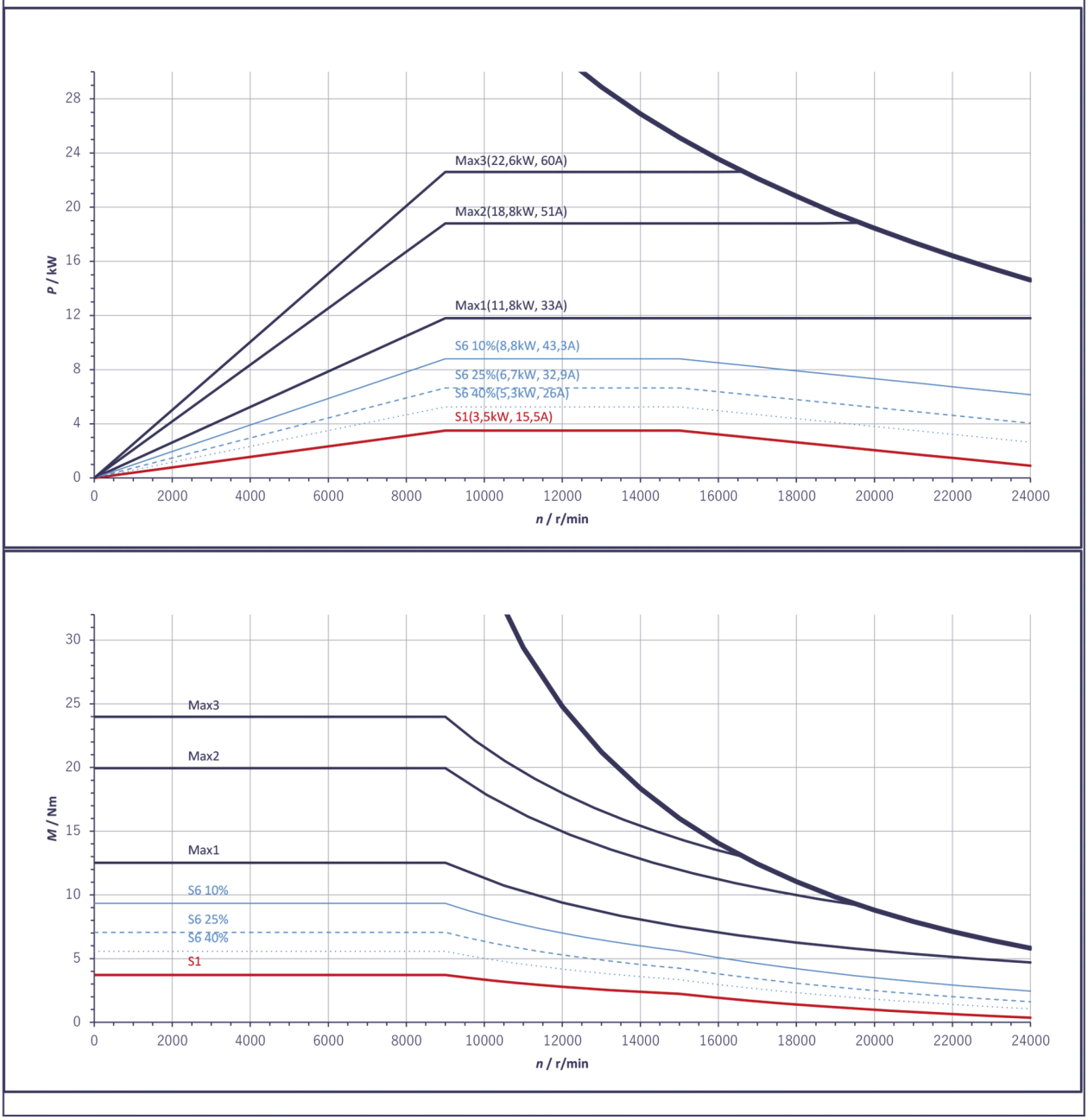
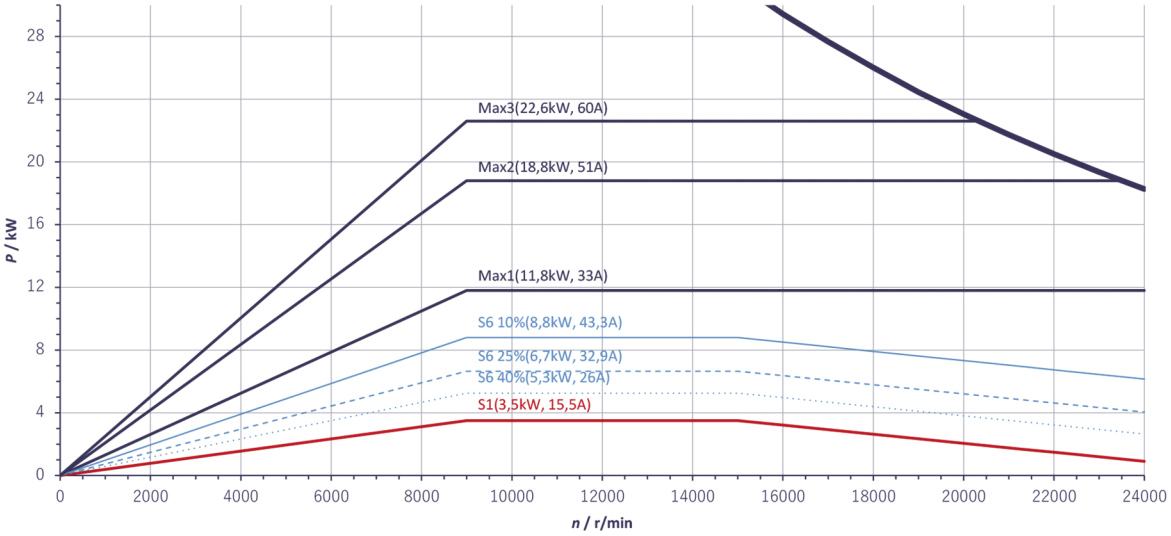
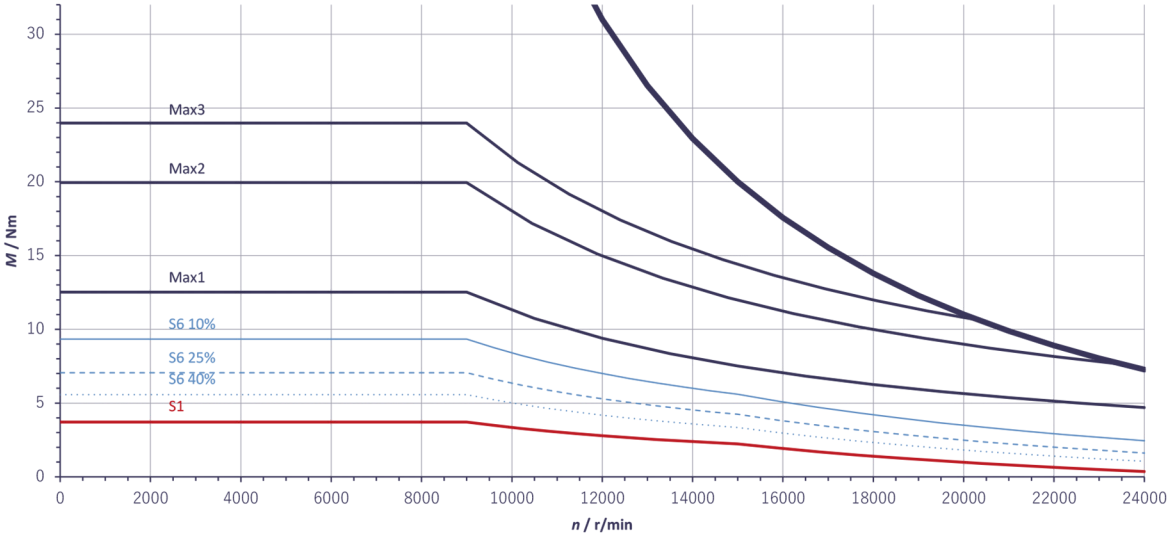


Figure 2-1 02_PD_1PH8081-1xV0_Index_ b-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8081-1□V0, 1PH8081-1□V1 in Star-connection

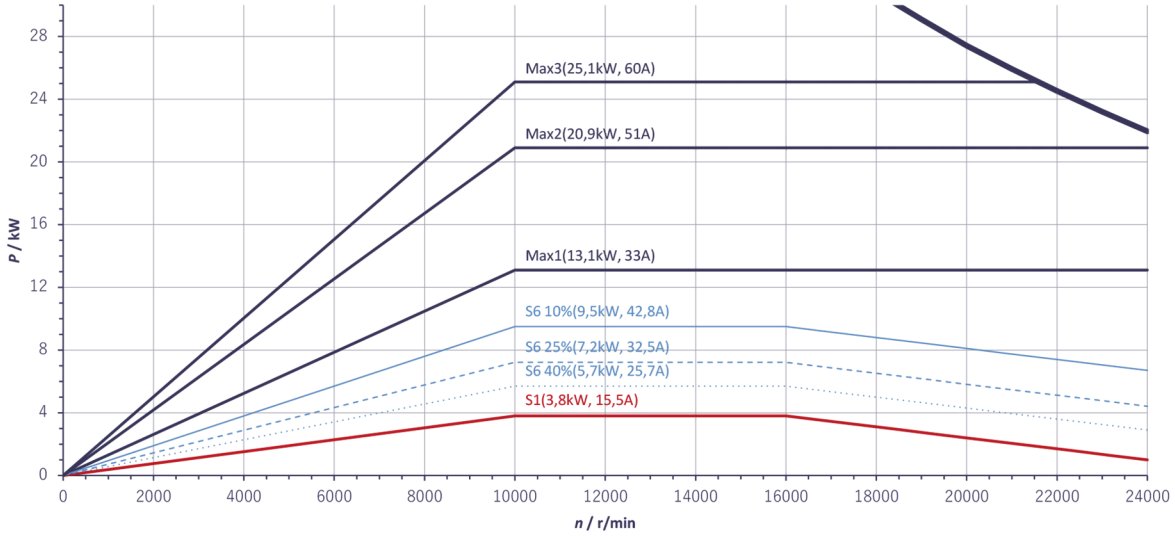
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
9000	3,5	3,7	15,5	15000	24000	33	51	60	13	20	24	8

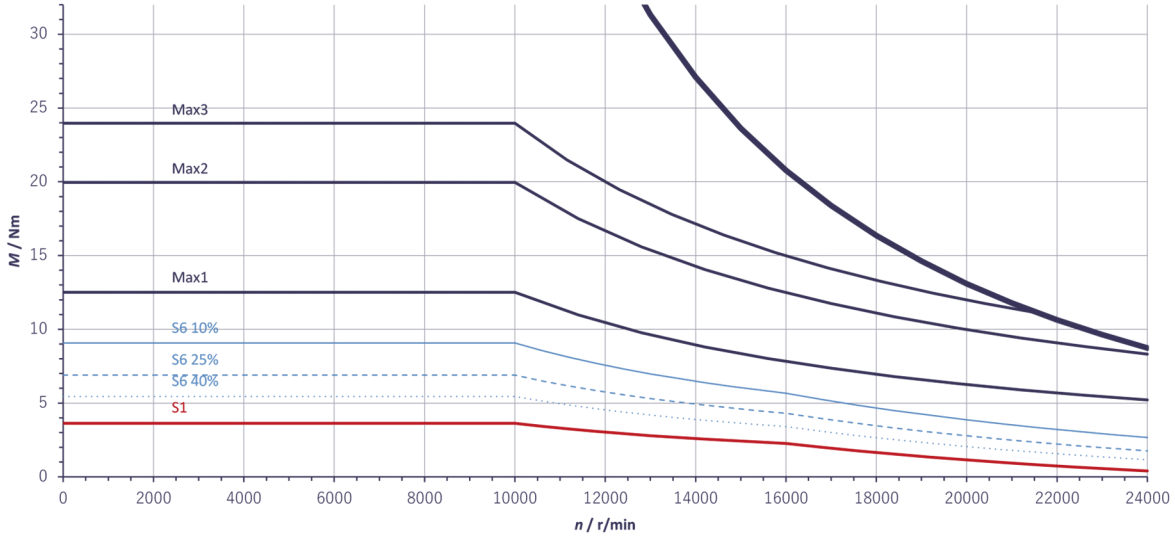




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8081-1□V0, 1PH8081-1□V1 in Star-connection

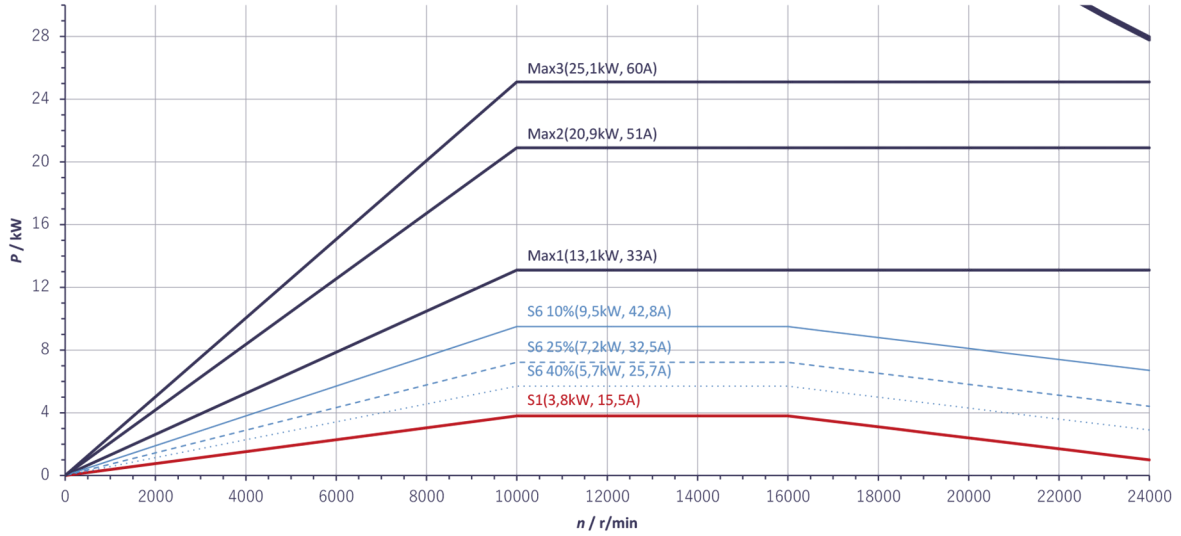
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
10000	3,8	3,6	15,5	16000	24000	33	51	60	13	20	24	8

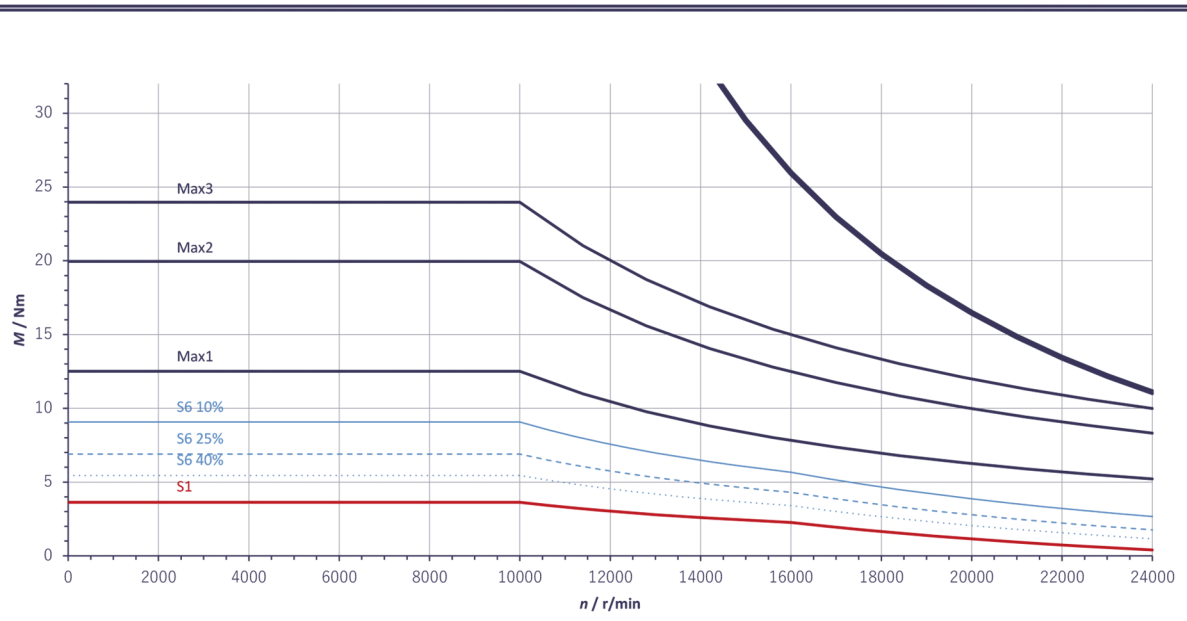




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8081-1□V0, 1PH8081-1□V1 in Star-connection

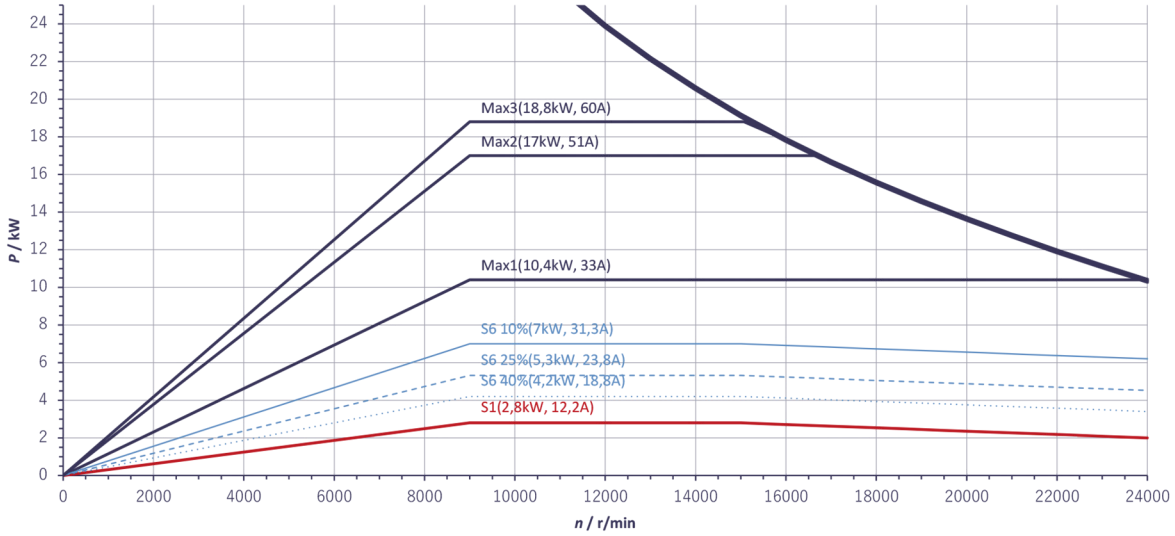
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
10000	3,8	3,6	15,5	16000	24000	33	51	60	13	20	24	8

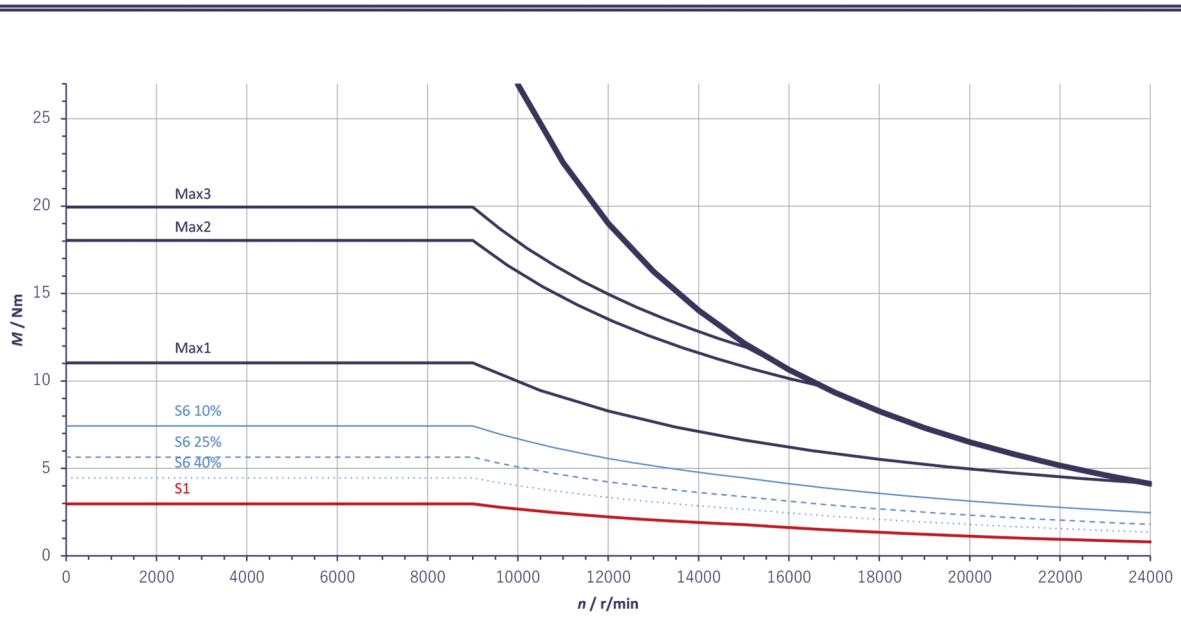




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8081-1□W0, 1PH8081-1□W1 in Star-connection

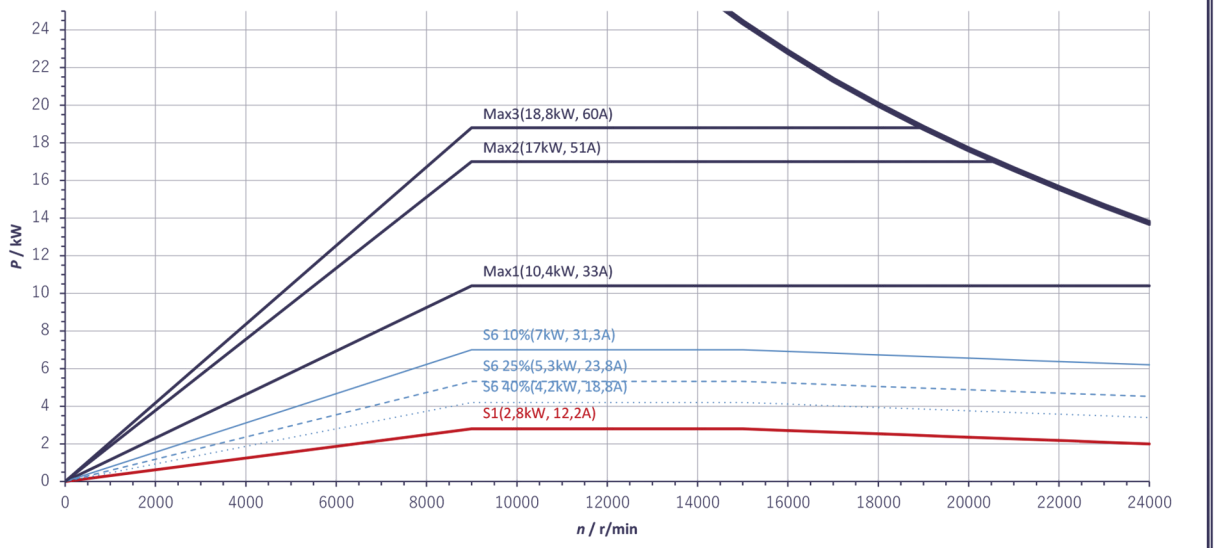
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
9000	2,8	3,0	12,2	15000	24000	33	51	60	11	18	20	8

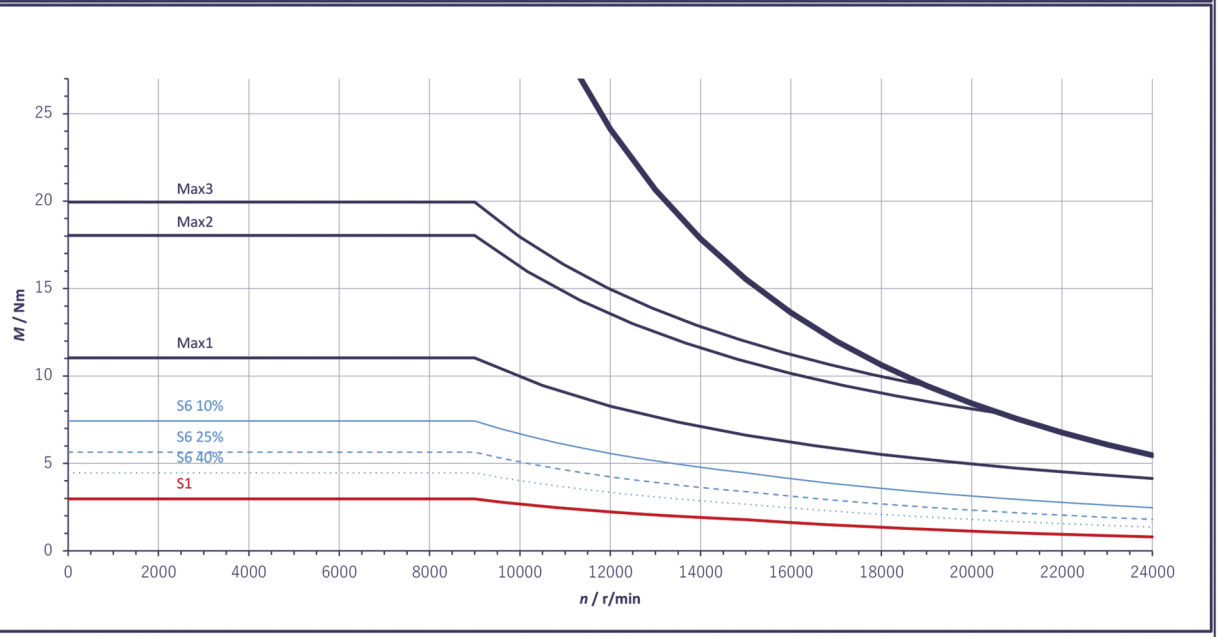




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8081-1□W0, 1PH8081-1□W1 in Star-connection

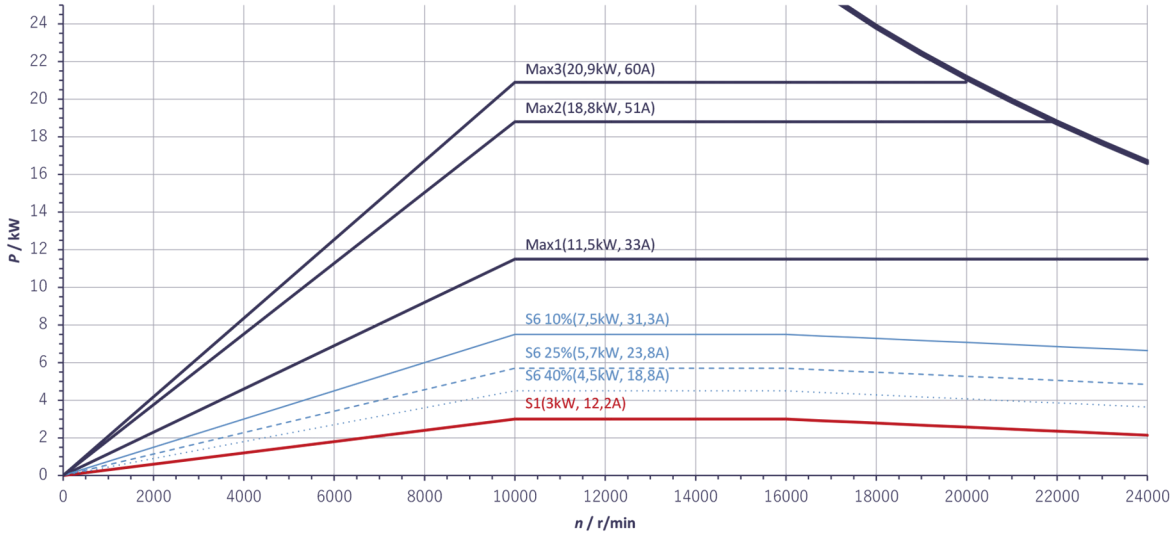
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
9000	2,8	3,0	12,2	15000	24000	33	51	60	11	18	20	8

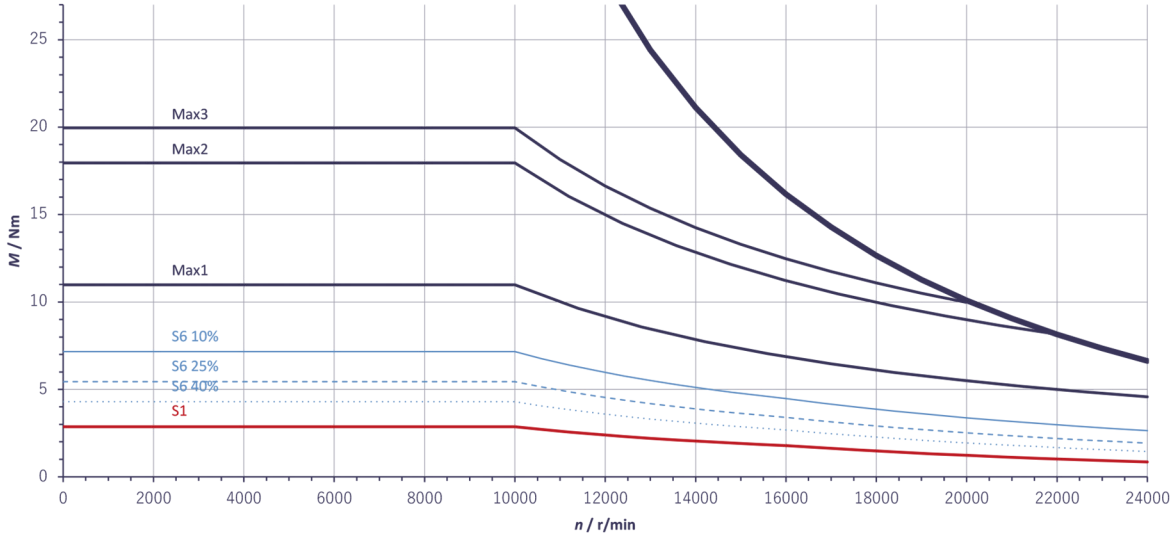




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8081-1□W0, 1PH8081-1□W1 in Star-connection

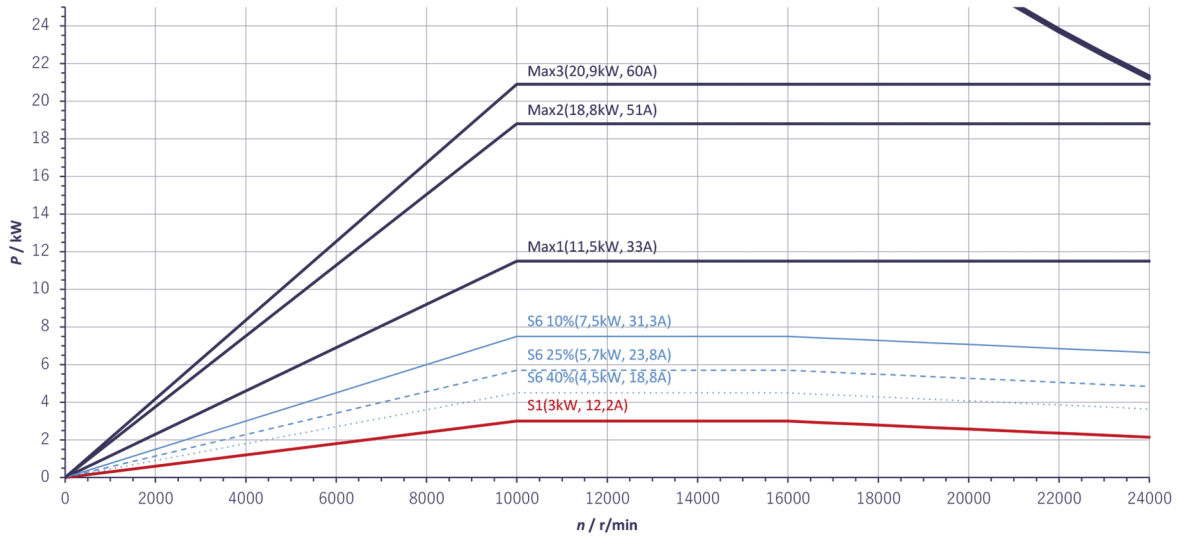
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
10000	3,0	2,9	12,2	16000	24000	33	51	60	11	18	20	8

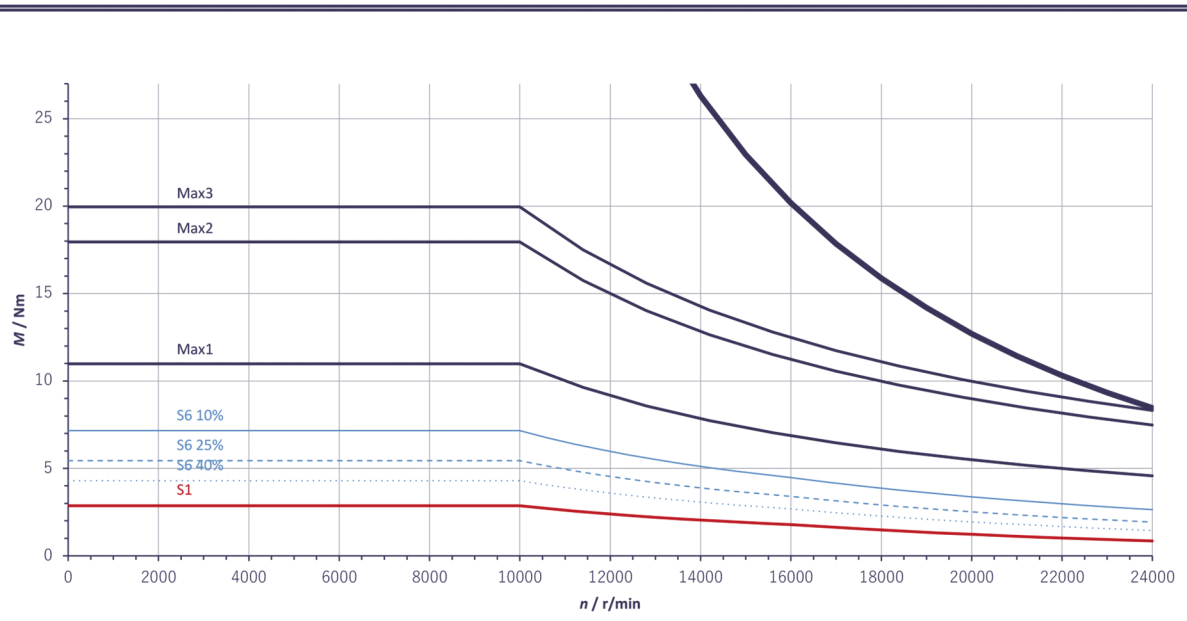




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8081-1□W0, 1PH8081-1□W1 in Star-connection

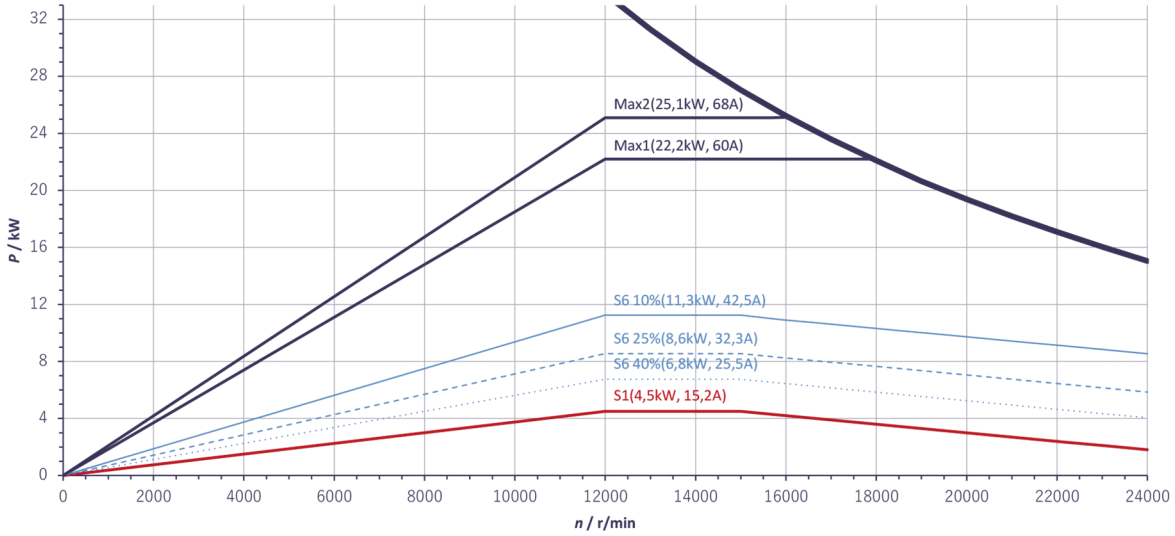
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
10000	3,0	2,9	12,2	16000	24000	33	51	60	11	18	20	8

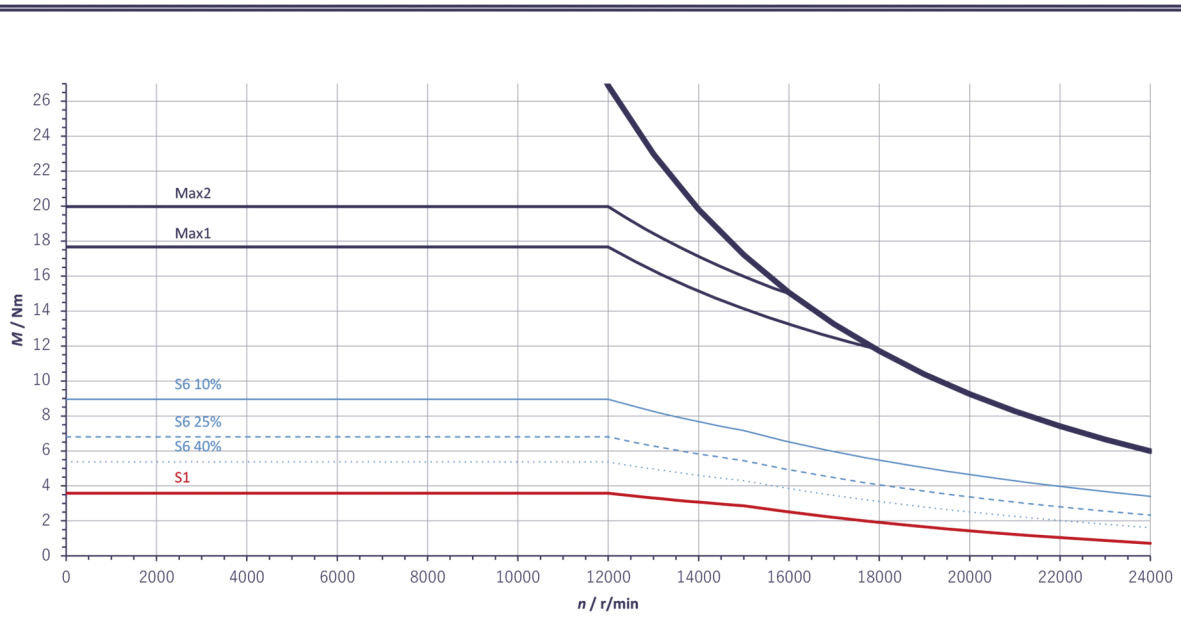




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□V0, 1PH8083-1□V1 in Star-connection

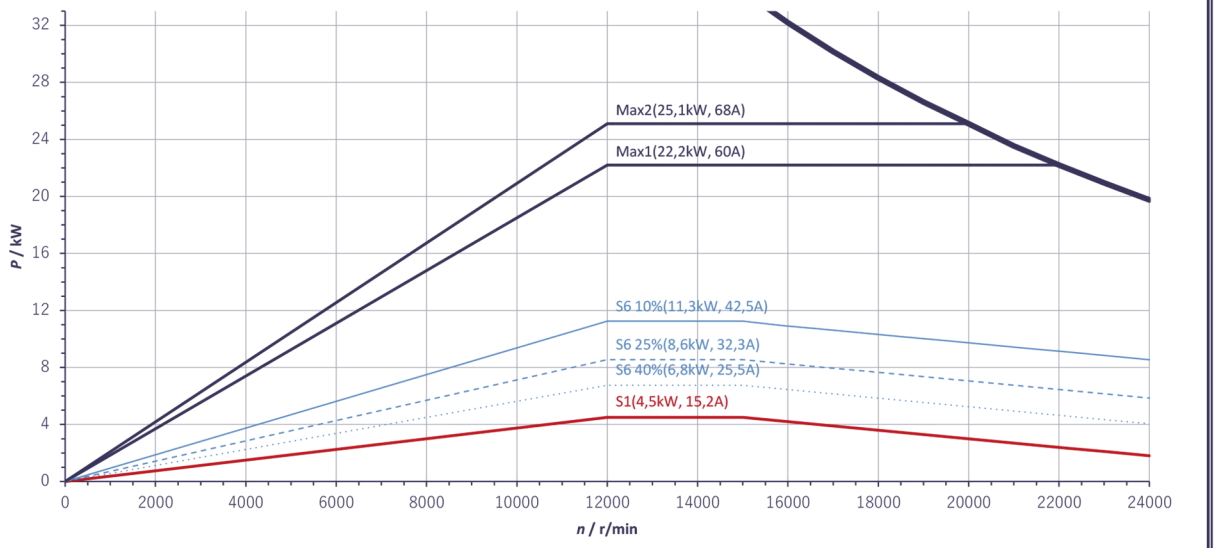
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
12000	4,5	3,6	15,2	15000	24000	60	68	--	18	20	--	8

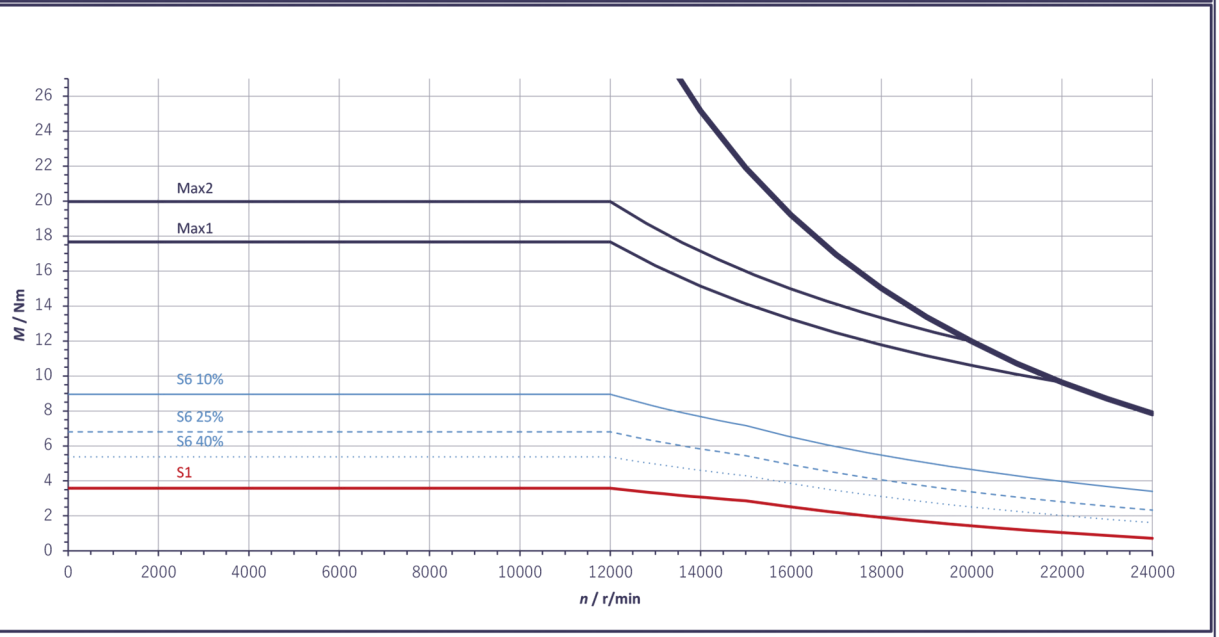




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8083-1□V0, 1PH8083-1□V1 in Star-connection

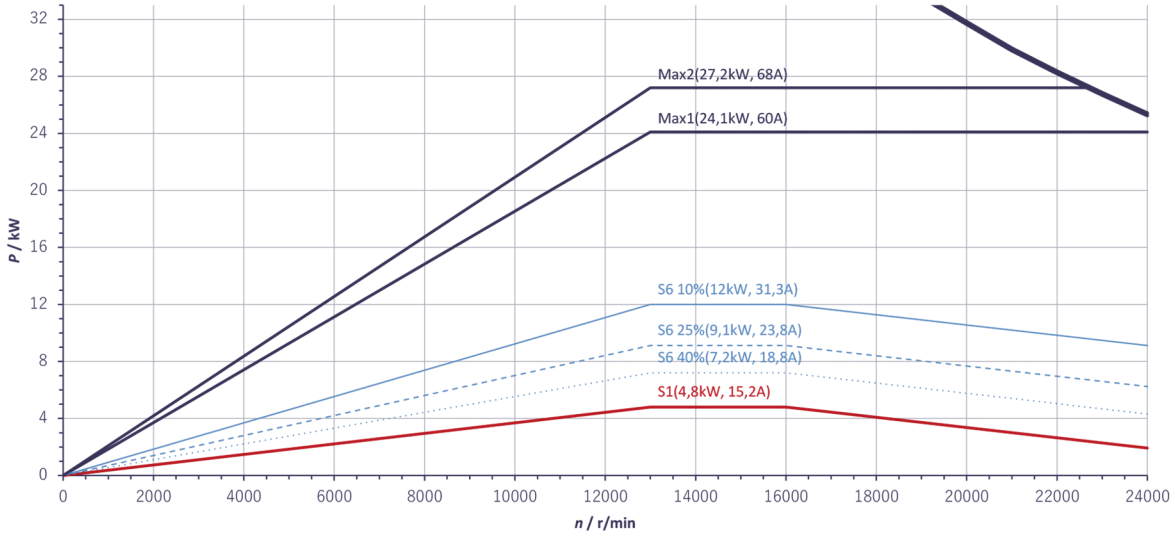
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
12000	4,5	3,6	15,2	15000	24000	60	68	--	18	20	--	8

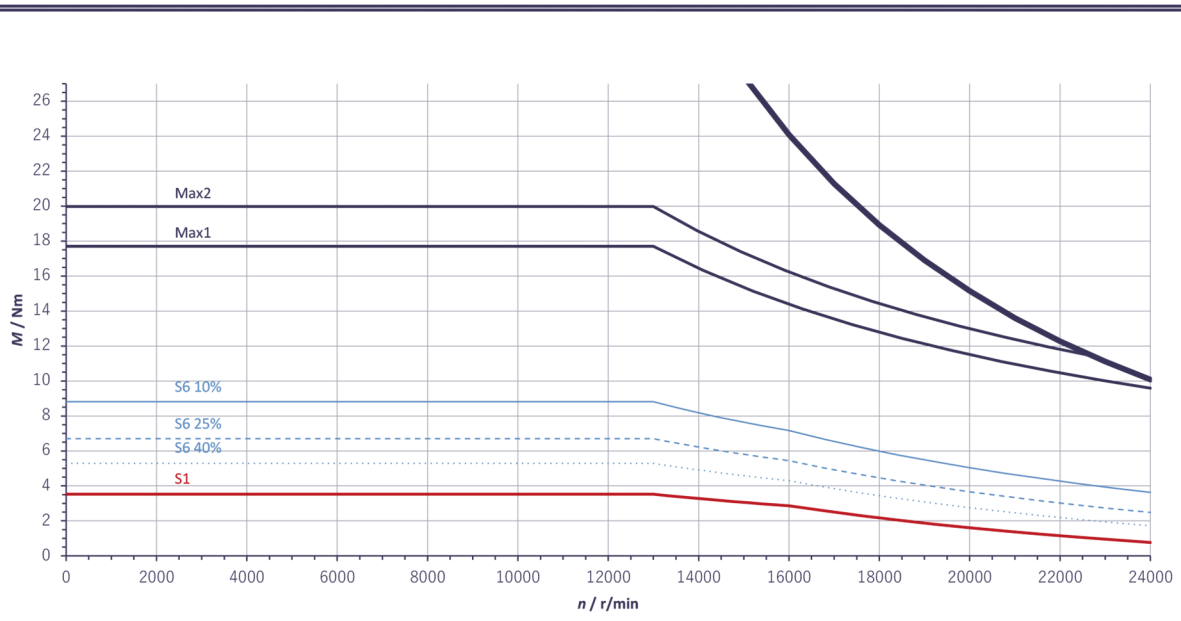




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□V0, 1PH8083-1□V1 in Star-connection

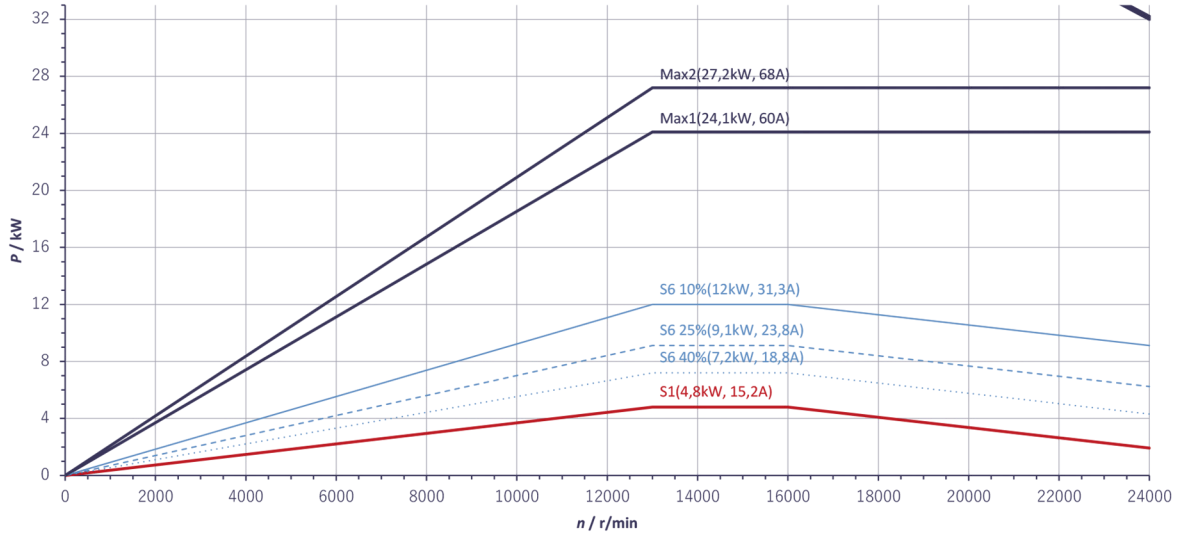
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
13000	4,8	3,5	15,2	16000	24000	60	68	--	18	20	--	8

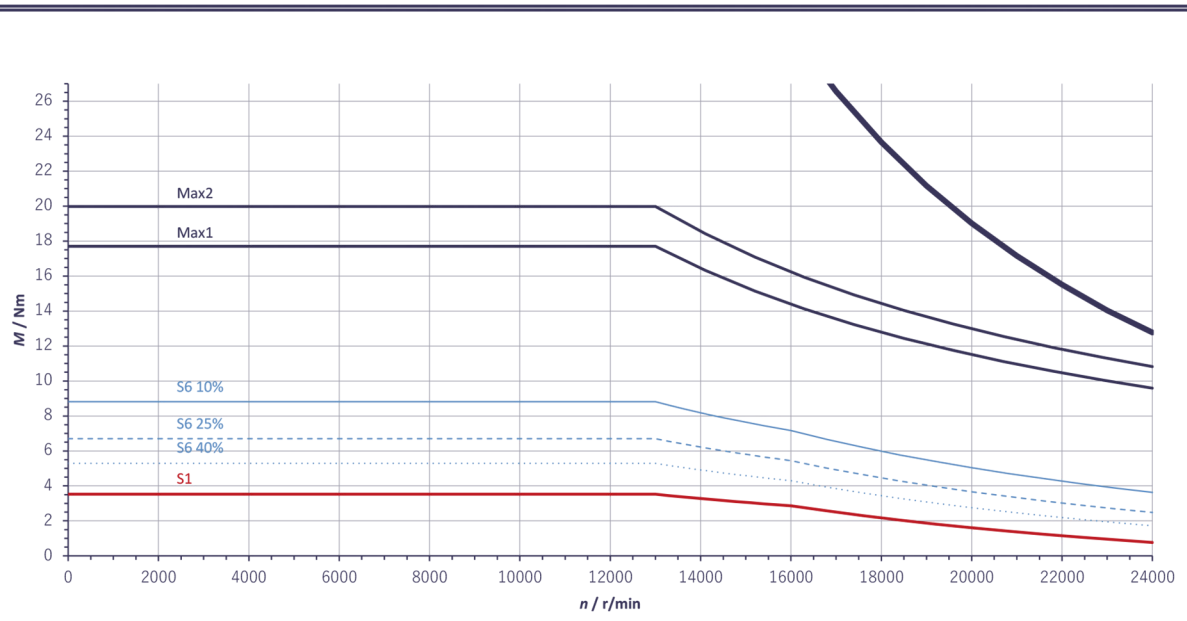




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8083-1□V0, 1PH8083-1□V1 in Star-connection

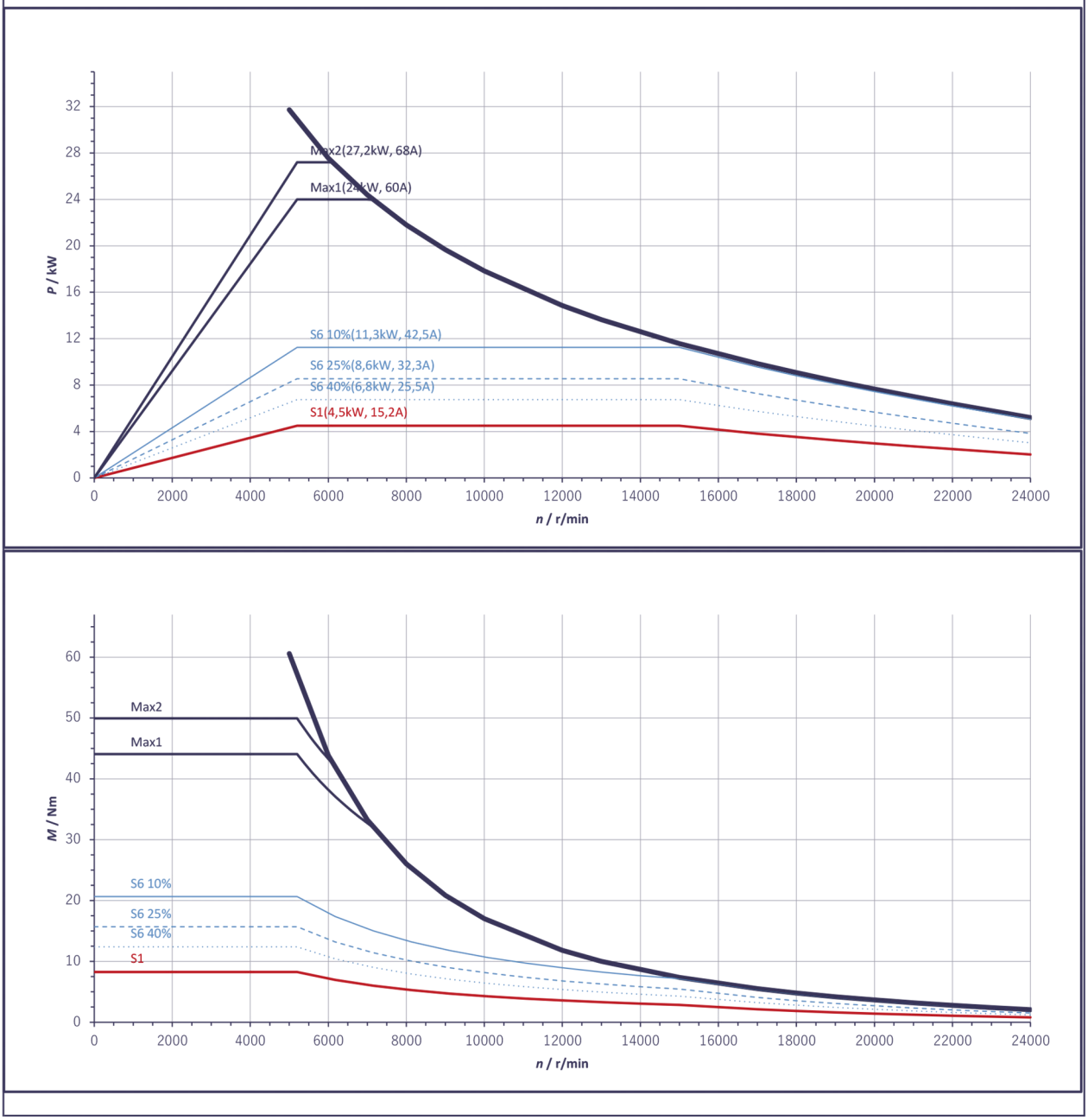
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
13000	4,8	3,5	15,2	16000	24000	60	68	--	18	20	--	8





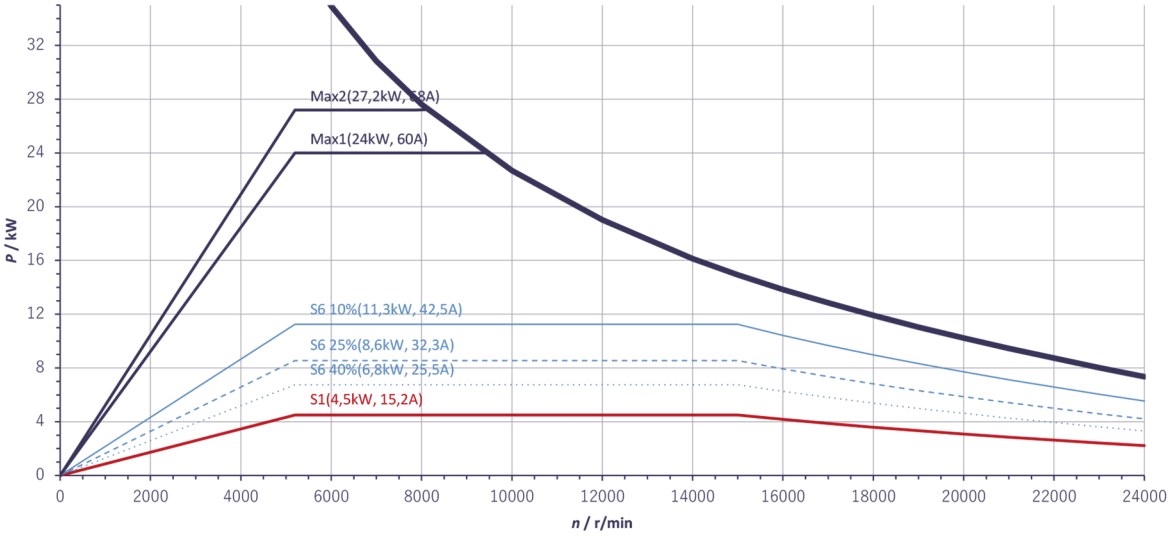
SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□W0, 1PH8083-1□W1 in Star-connection

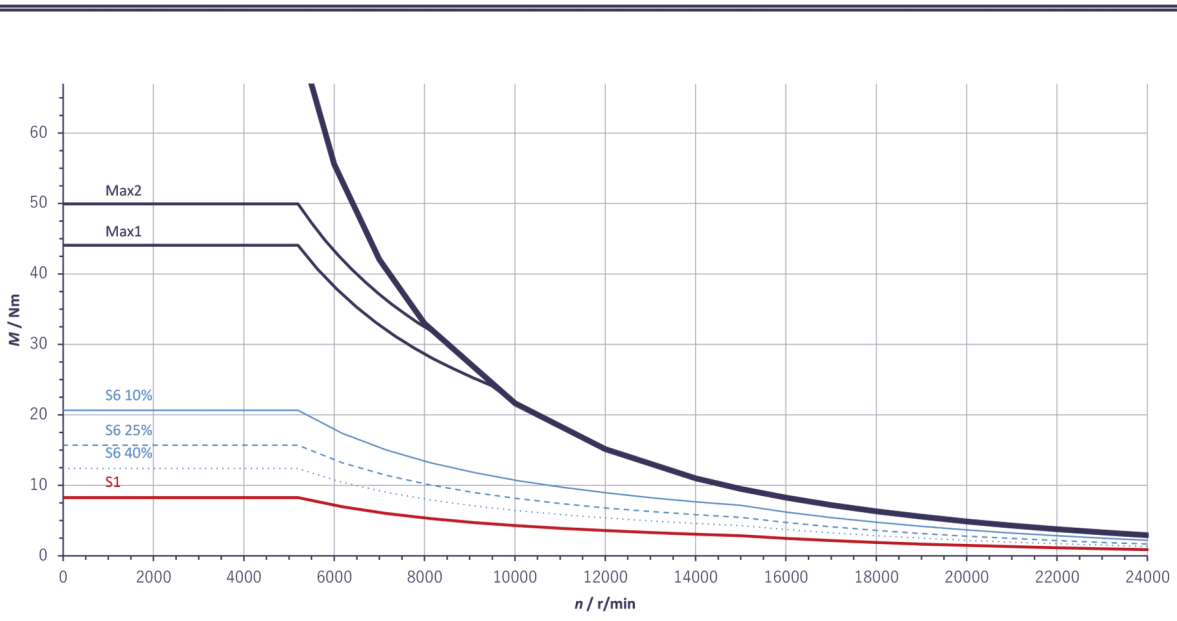
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
5200	4,5	8,3	15,2	15000	24000	60	68	--	44	50	--	8



SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8083-1□W0, 1PH8083-1□W1 in Star-connection

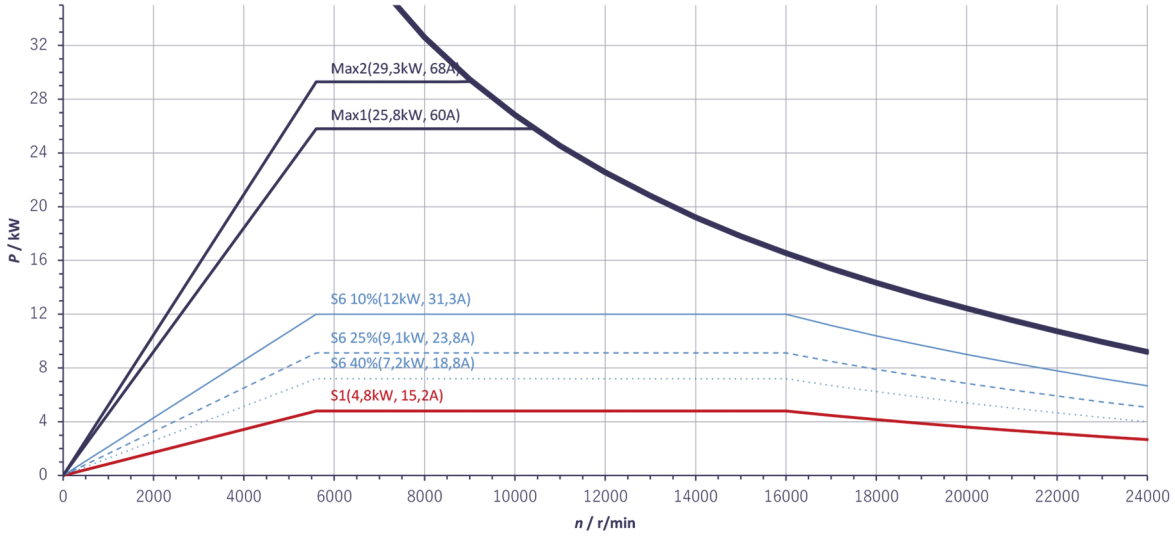
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
5200	4,5	8,3	15,2	15000	24000	60	68	--	44	50	--	8

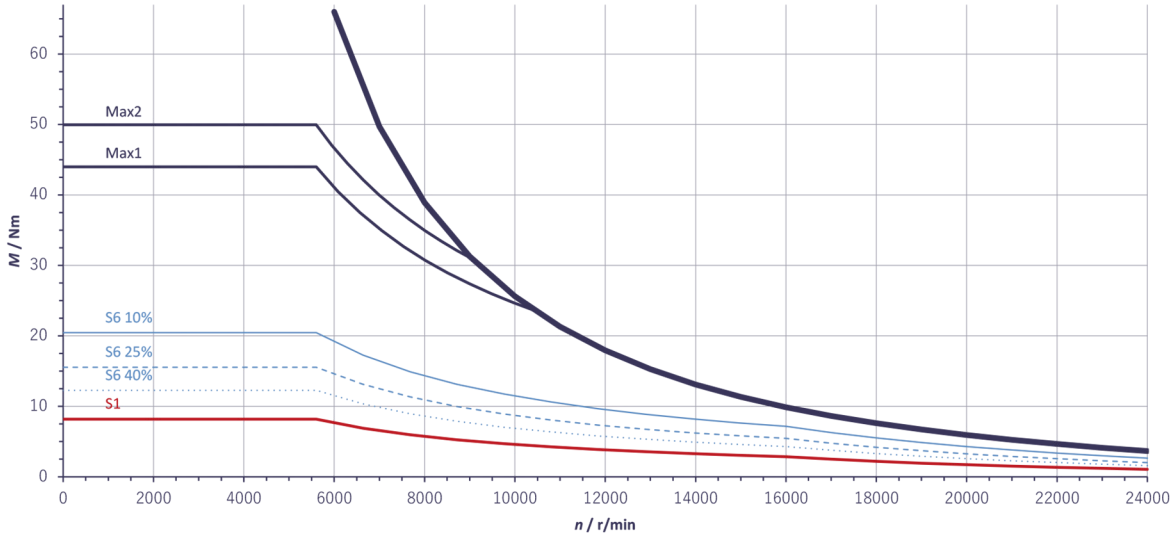




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□W0, 1PH8083-1□W1 in Star-connection

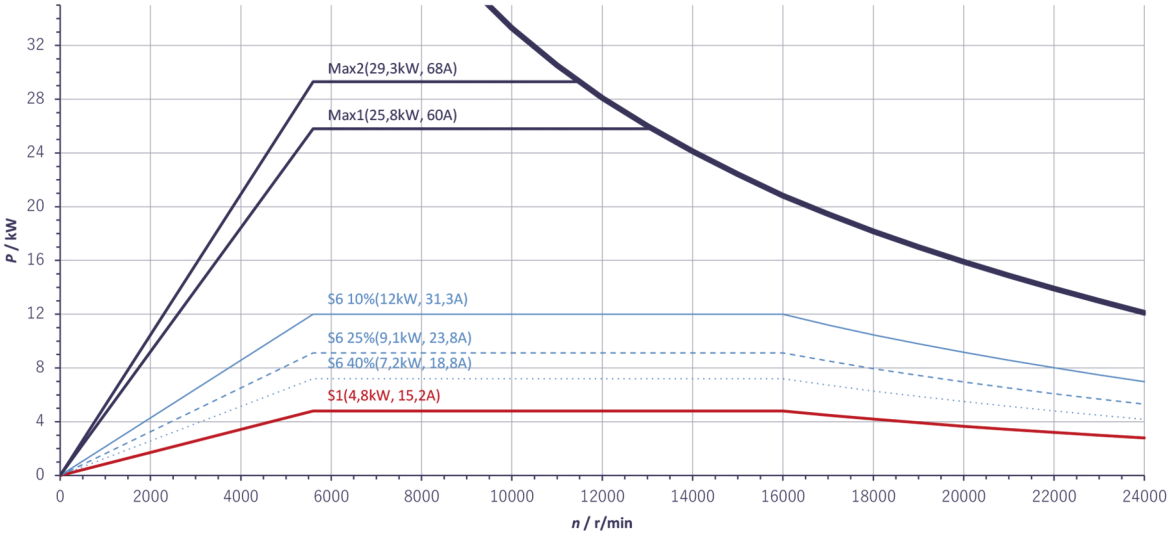
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
5600	4,8	8,2	15,2	16000	24000	60	68	--	44	50	--	8

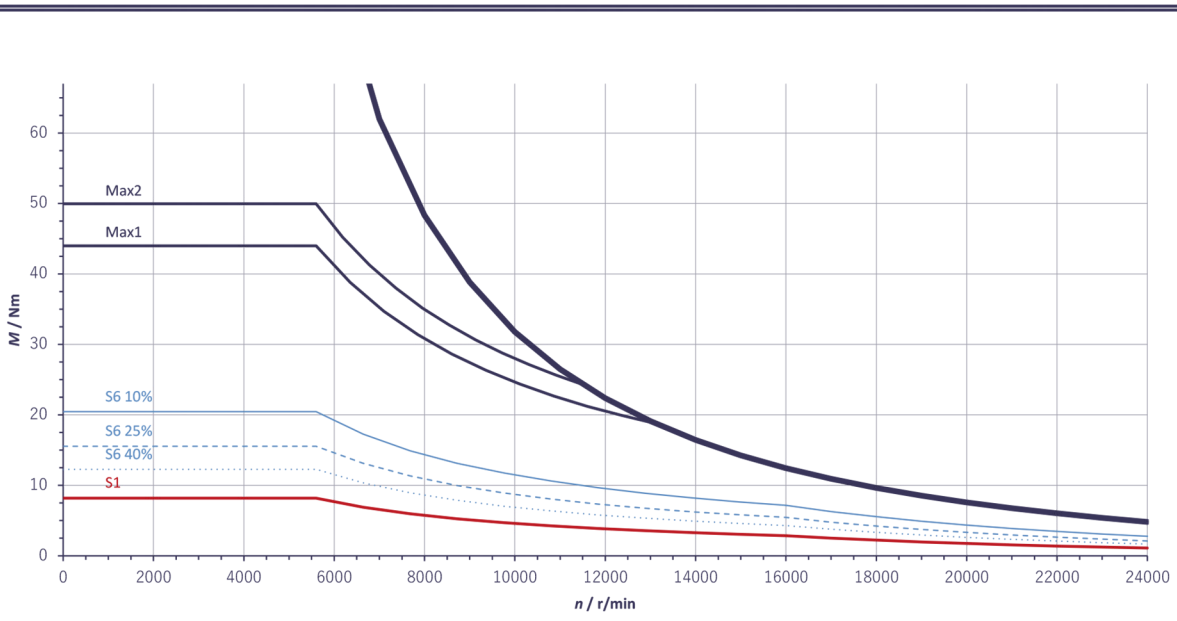




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8083-1□W0, 1PH8083-1□W1 in Star-connection

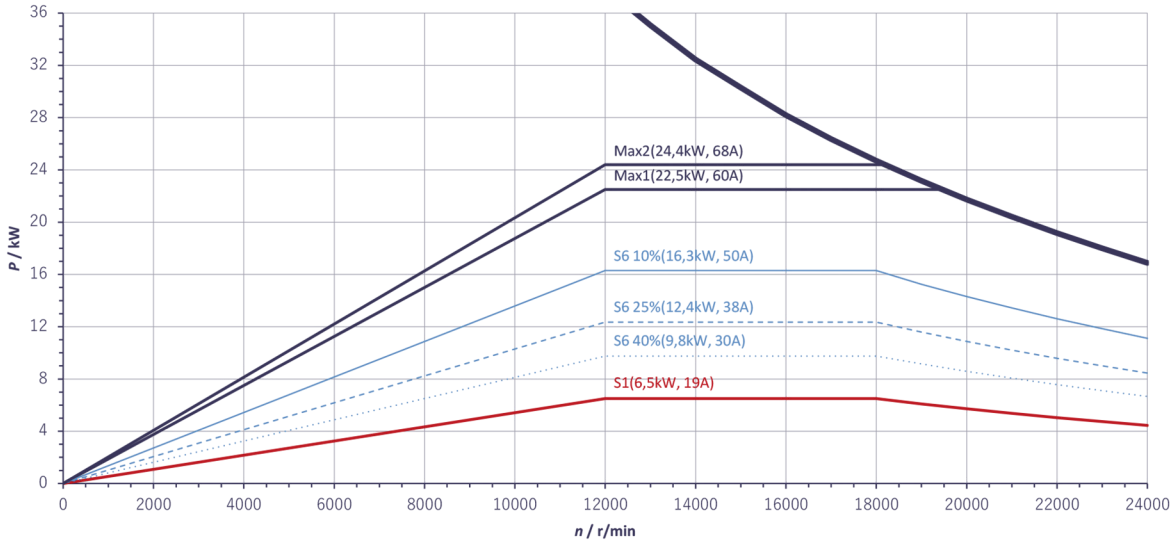
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
5600	4,8	8,2	15,2	16000	24000	60	68	--	44	50	--	8

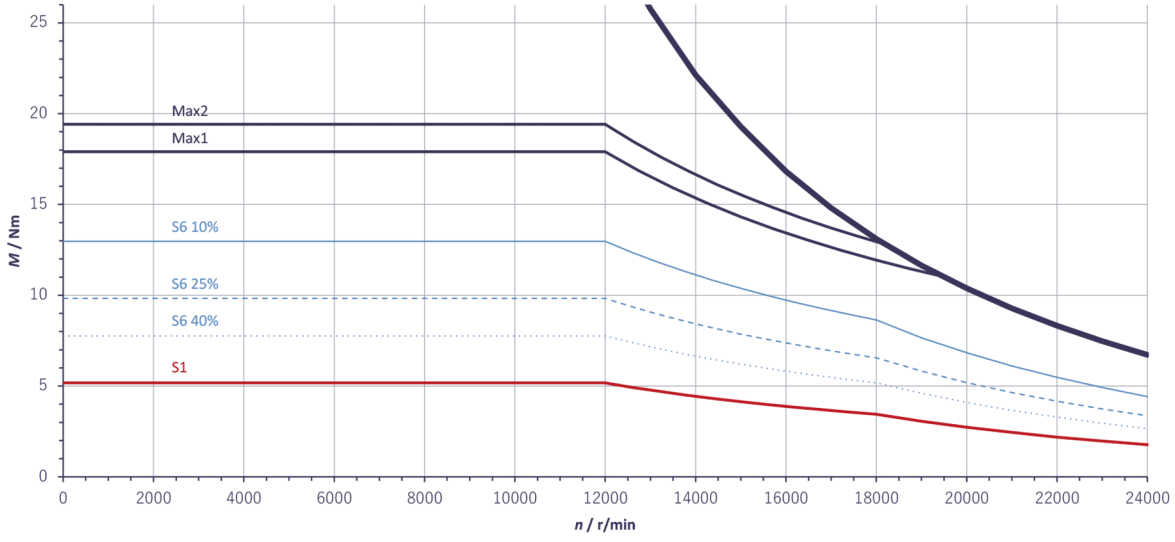




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□V0, 1PH8087-1□V1 in Star-connection

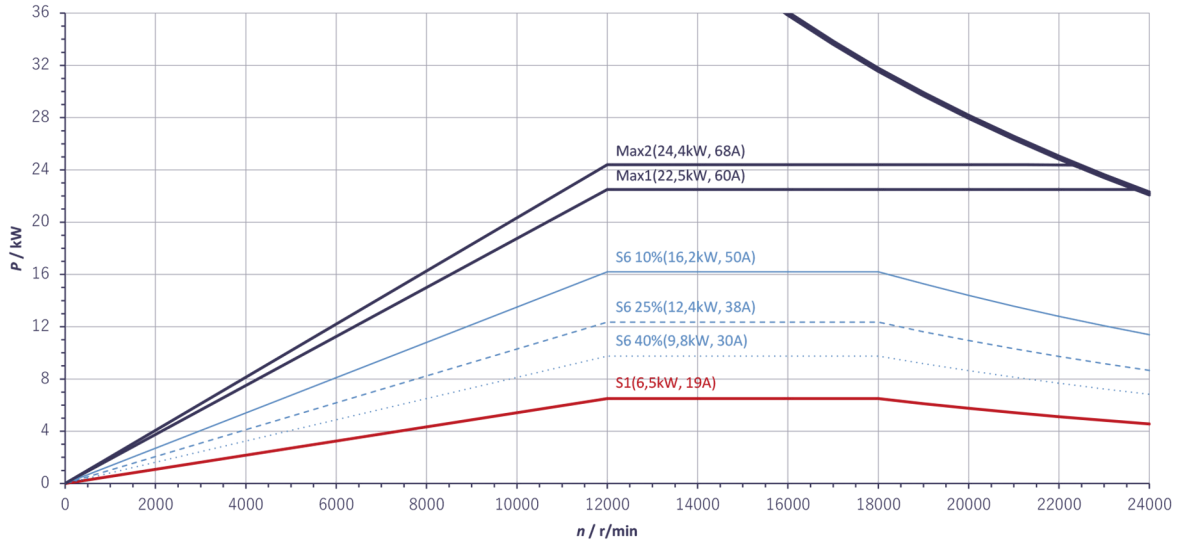
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
12000	6,5	5,2	19,0	18000	24000	60	68	--	18	19	--	8

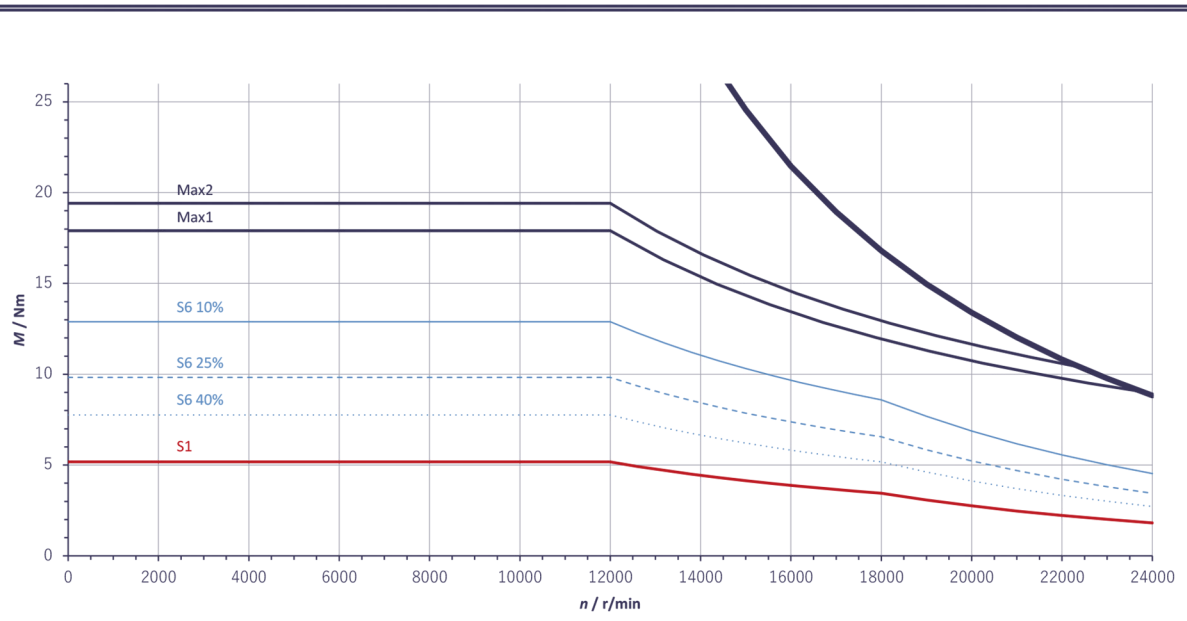




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8087-1□V0, 1PH8087-1□V1 in Star-connection

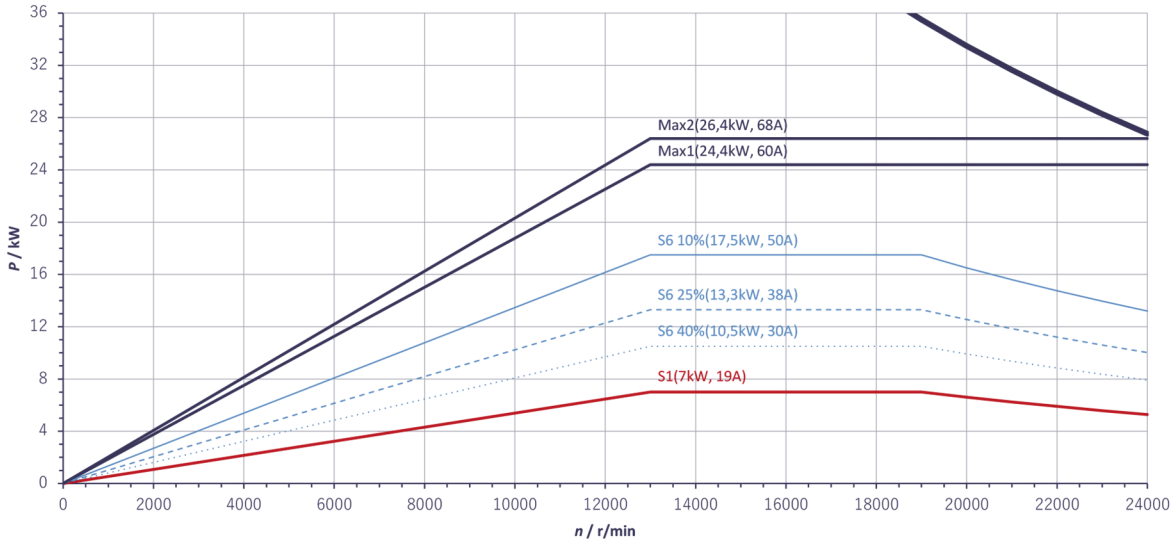
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
12000	6,5	5,2	19,0	18000	24000	60	68	--	18	19	--	8

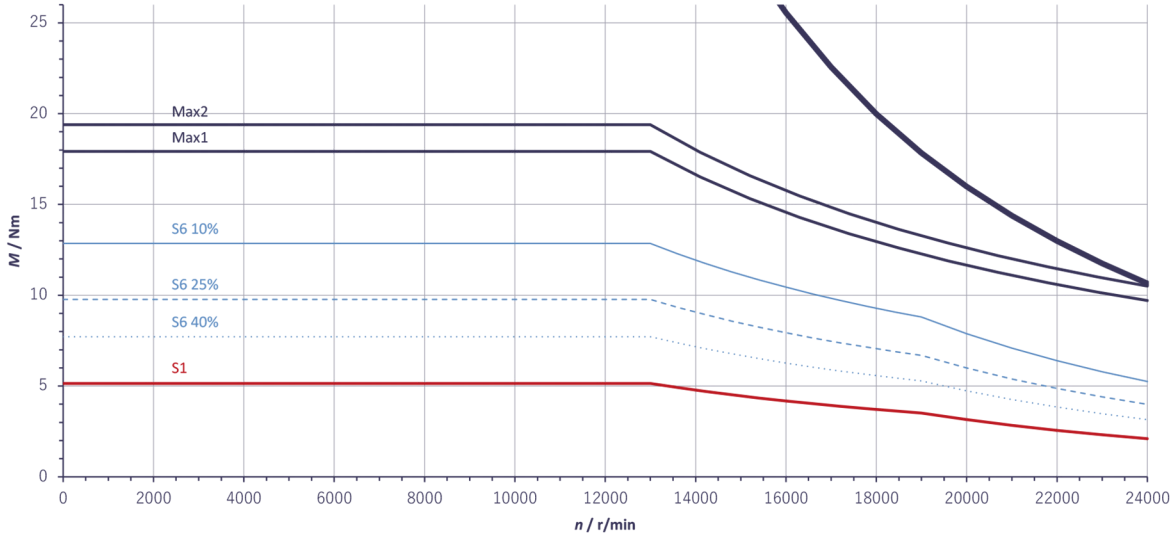




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□V0, 1PH8087-1□V1 in Star-connection

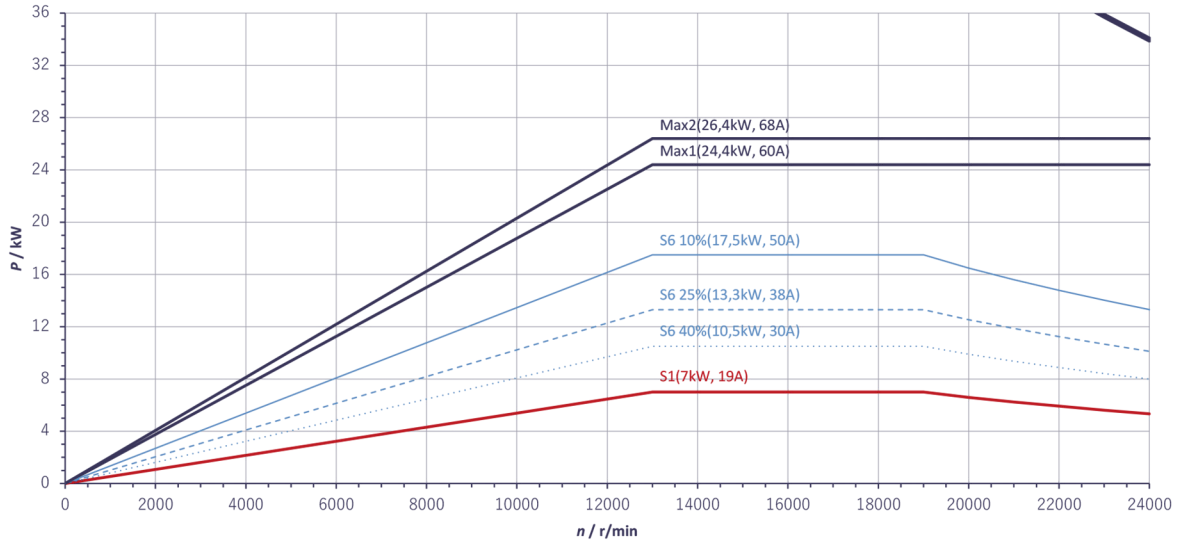
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
13000	7,0	5,1	19,0	19000	24000	60	68	--	18	19	--	8

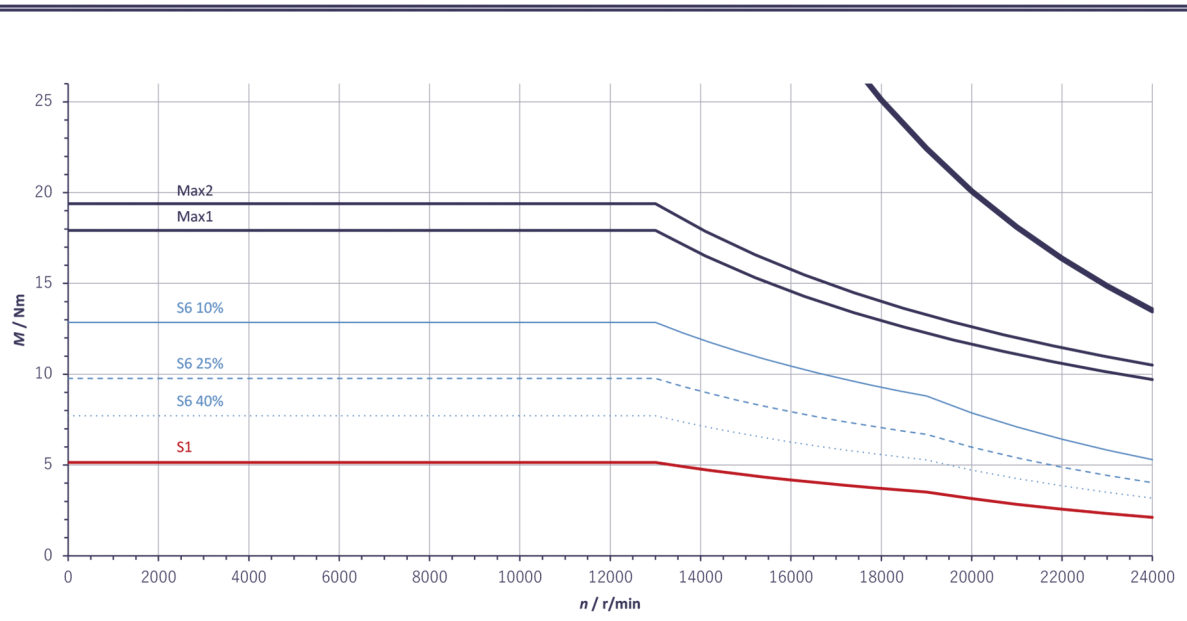




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8087-1□V0, 1PH8087-1□V1 in Star-connection

n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
13000	7,0	5,1	19,0	16000	24000	60	68	--	18	19	--	8

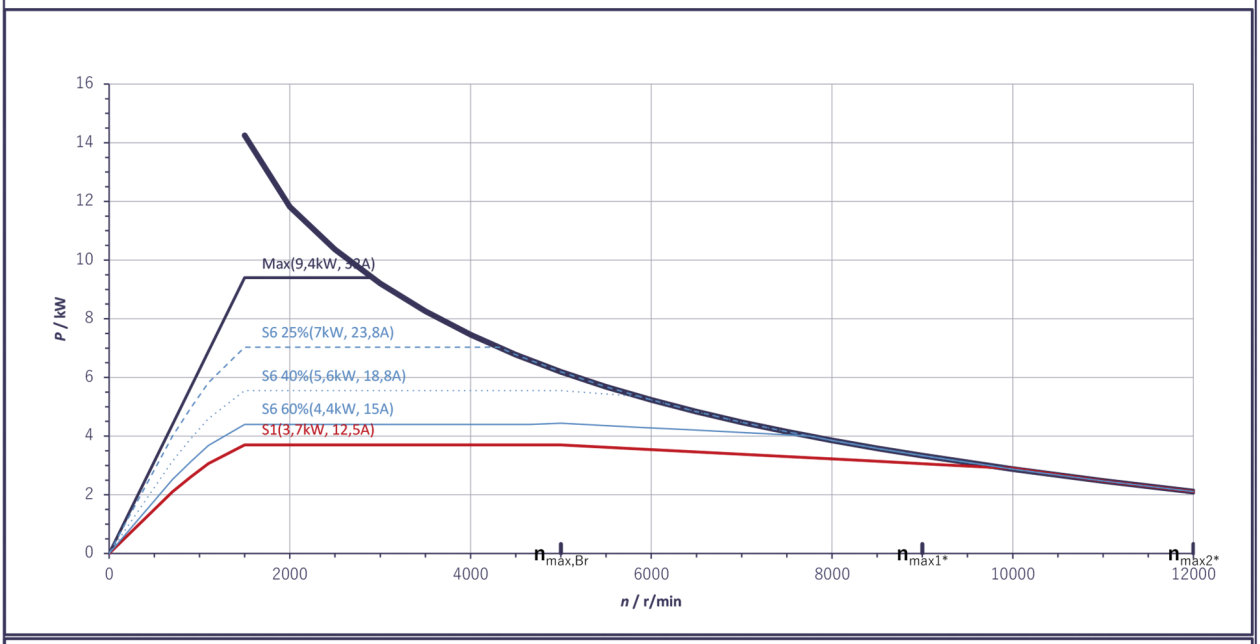


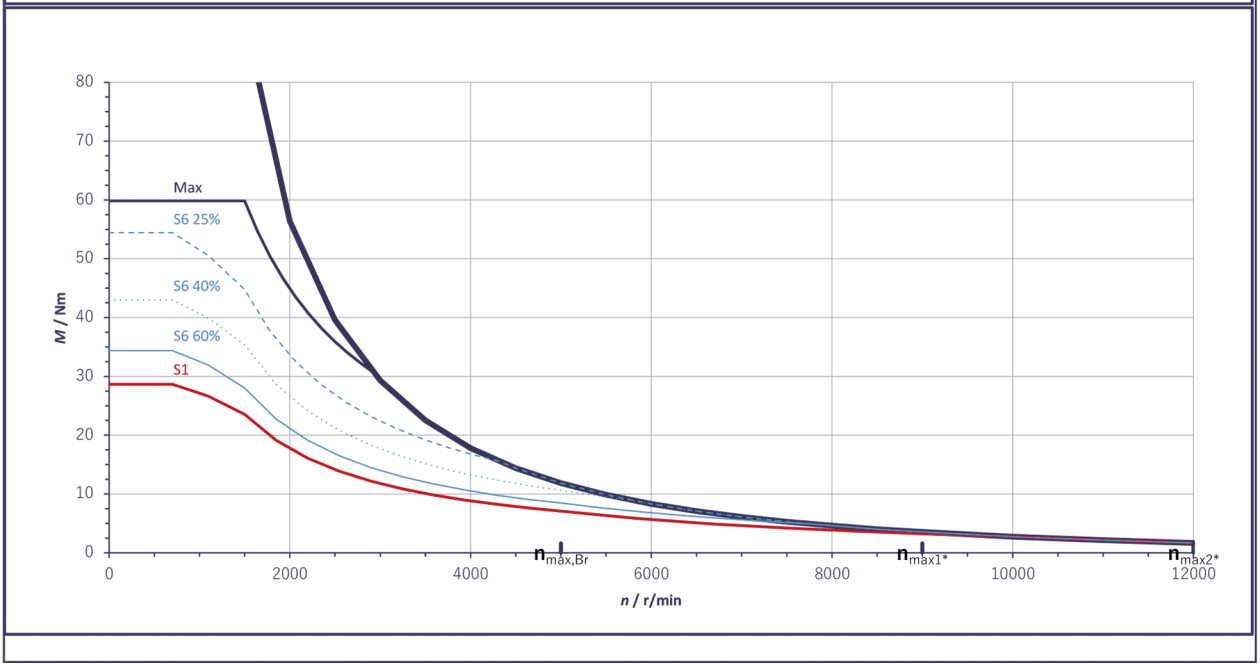


2.2.3 Shaft height 100 – forced ventilation

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8101-1□F0, 1PH8101-1□F1, 1PH8101-3□F0, 1PH8101-3□F1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	3,7	24,0	12,5	9000	12000	--	5000	5000	60,0	32	29	13,9

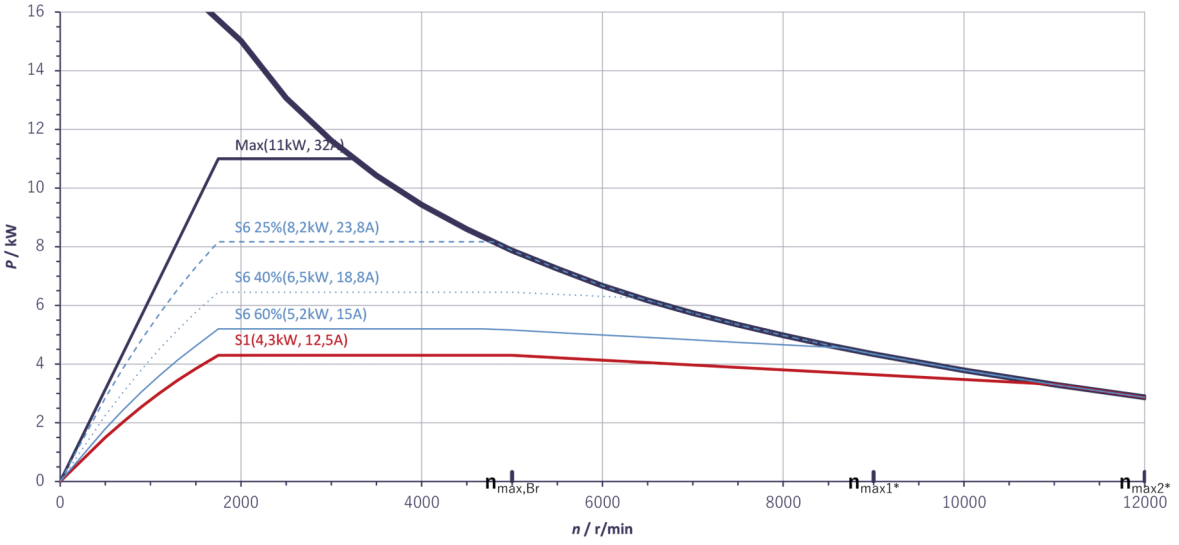


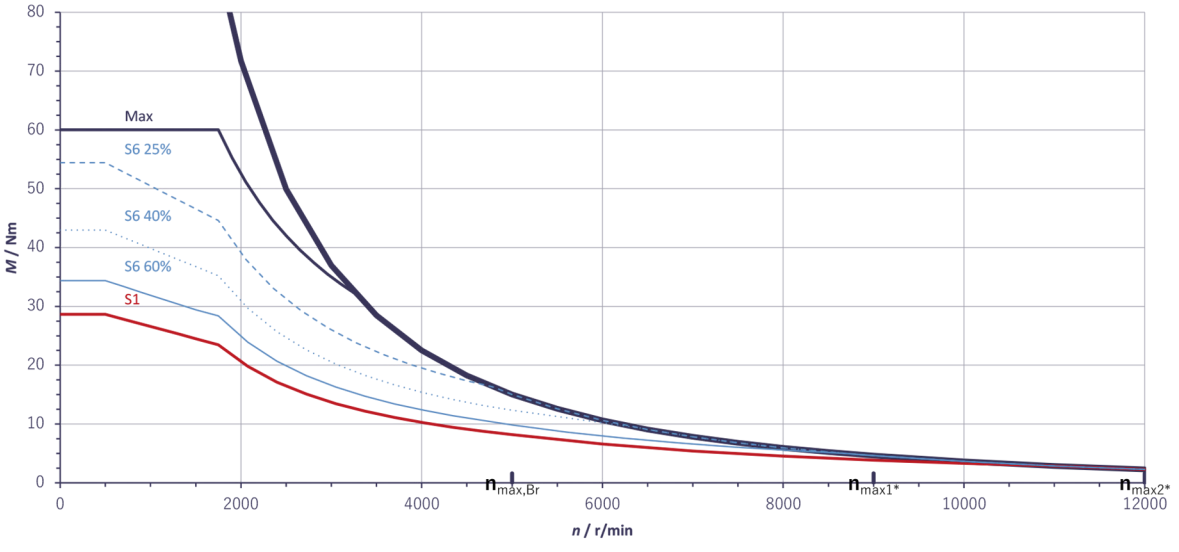


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8101-1□F0, 1PH8101-1□F1, 1PH8101-3□F0, 1PH8101-3□F1 in Star-connection

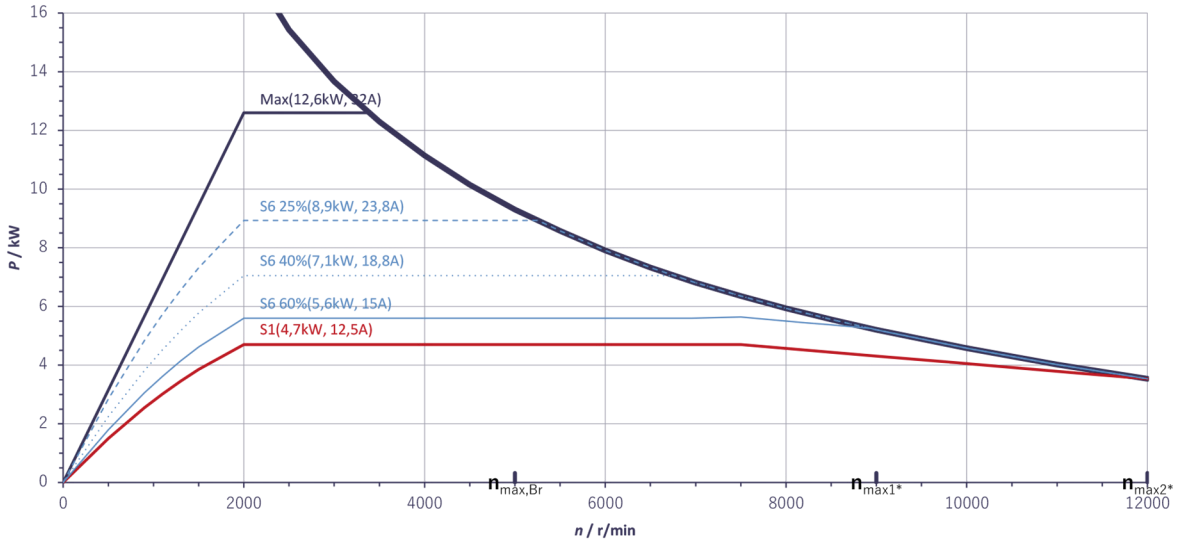
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	4,3	23,0	12,5	9000	12000	--	5000	5000	60,0	32	29	13,9
1500	3,7	24	12,5					8350				

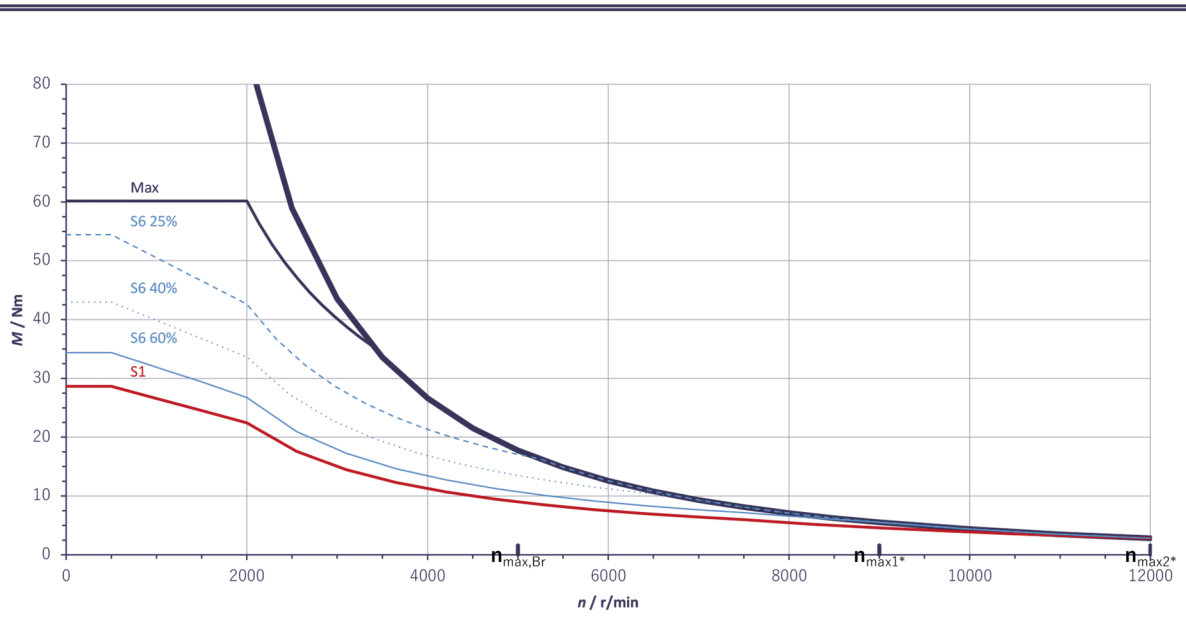




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8101-1□F0, 1PH8101-1□F1, 1PH8101-3□F0, 1PH8101-3□F1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	4,7	22,0	12,5	9000	12000	--	5000	7500	60,0	32	29	13,9

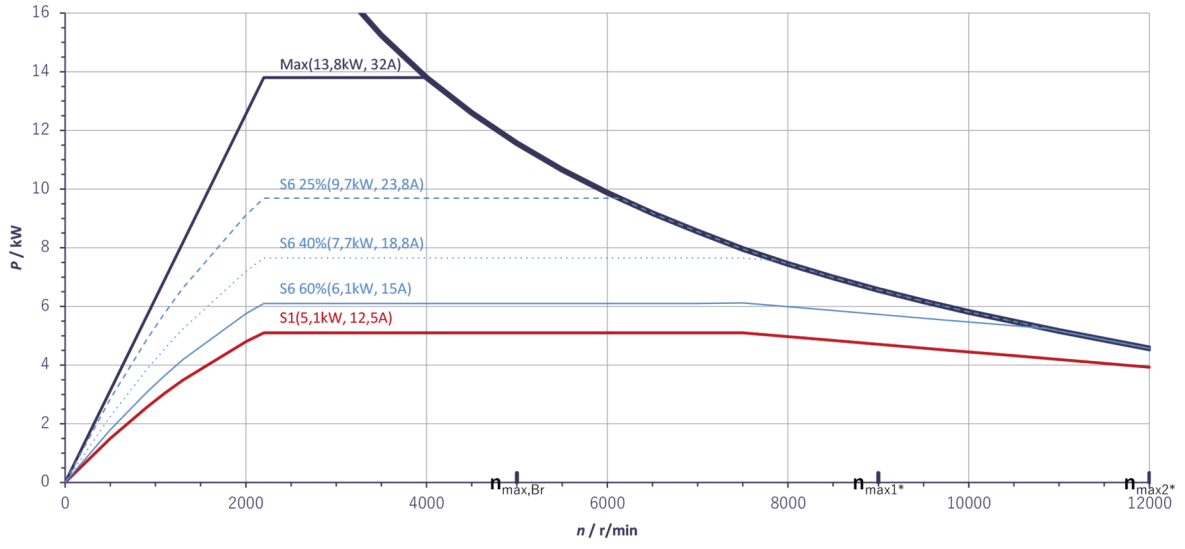


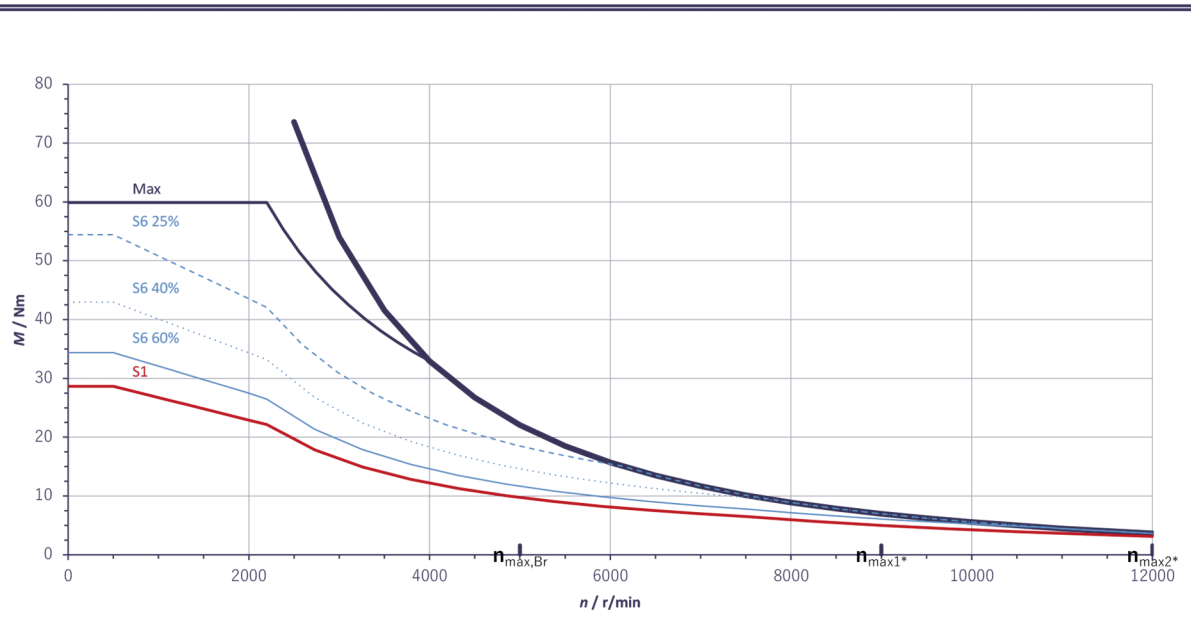


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8101-1□F0, 1PH8101-1□F1, 1PH8101-3□F0, 1PH8101-3□F1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	5,1	22,0	12,5	9000	12000	--	5000	7500	60,0	32	29	13,9

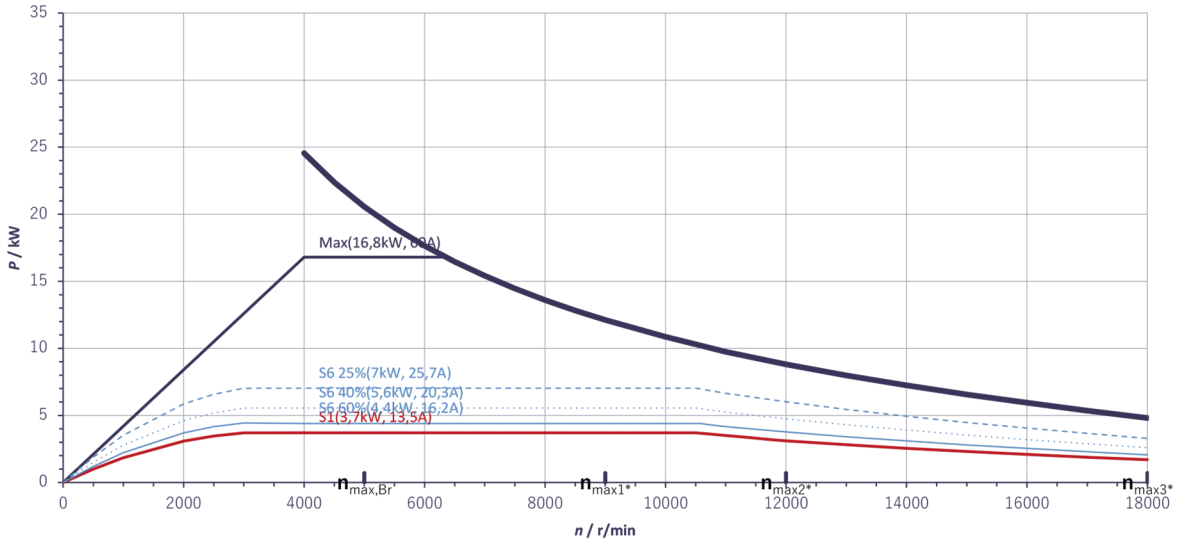


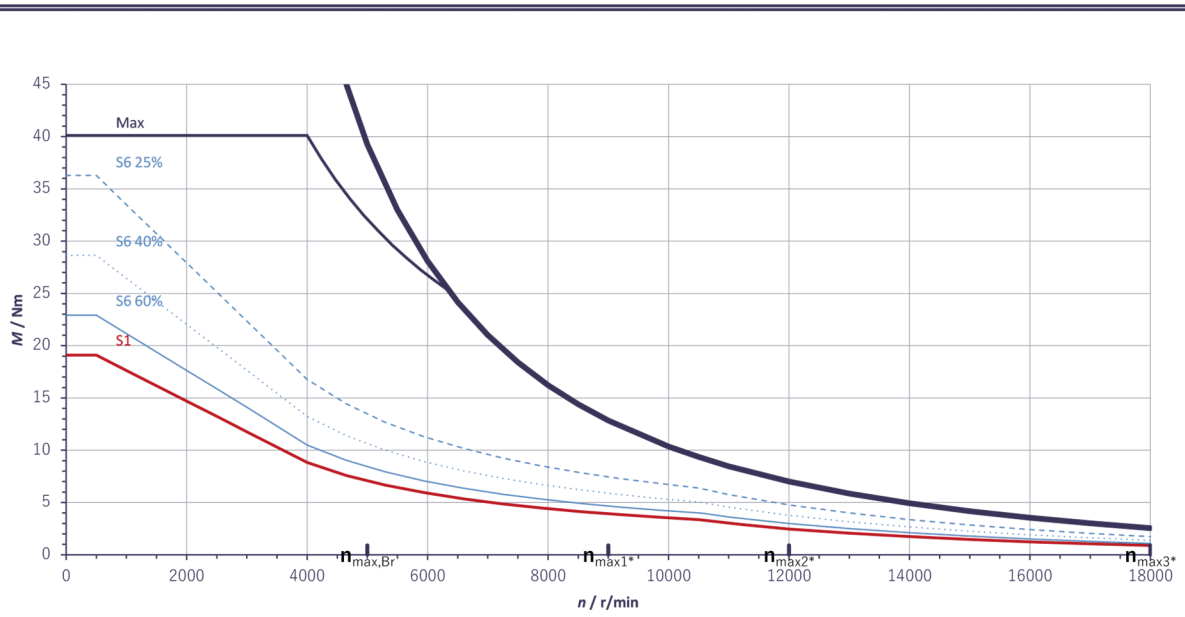


SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)

Induction motor 1PH8101-1□S0, 1PH8101-1□S1, 1PH8101-1□S7, 1PH8101-3□S0, 1PH8101-3□S1, 1PH8101-3□S7 in Delta-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
4000	3,7	9,0	13,5	9000	12000	18000	5000	10500	40,0	60	19	20,2

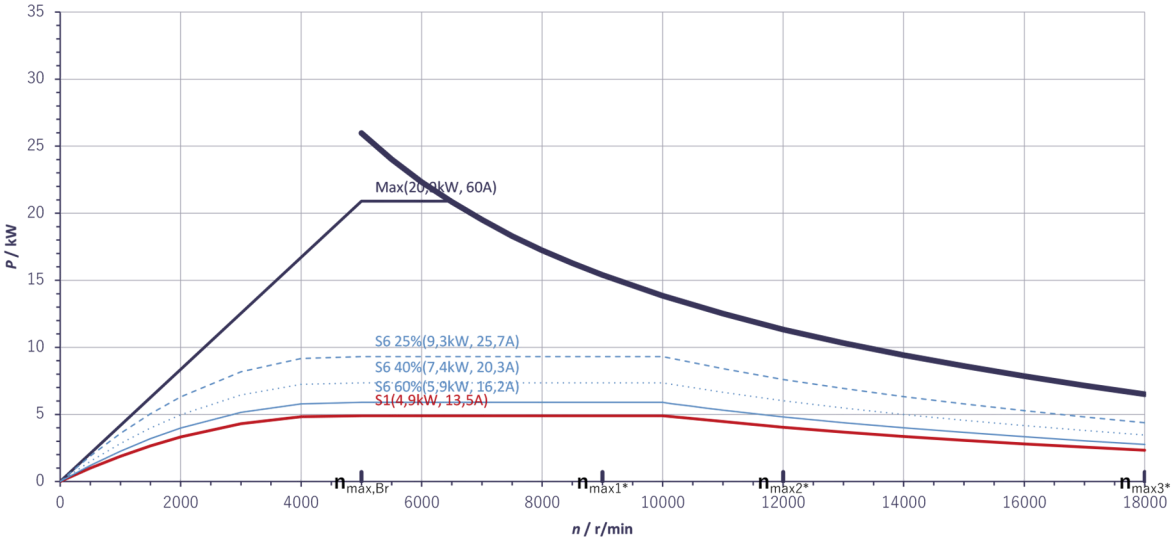


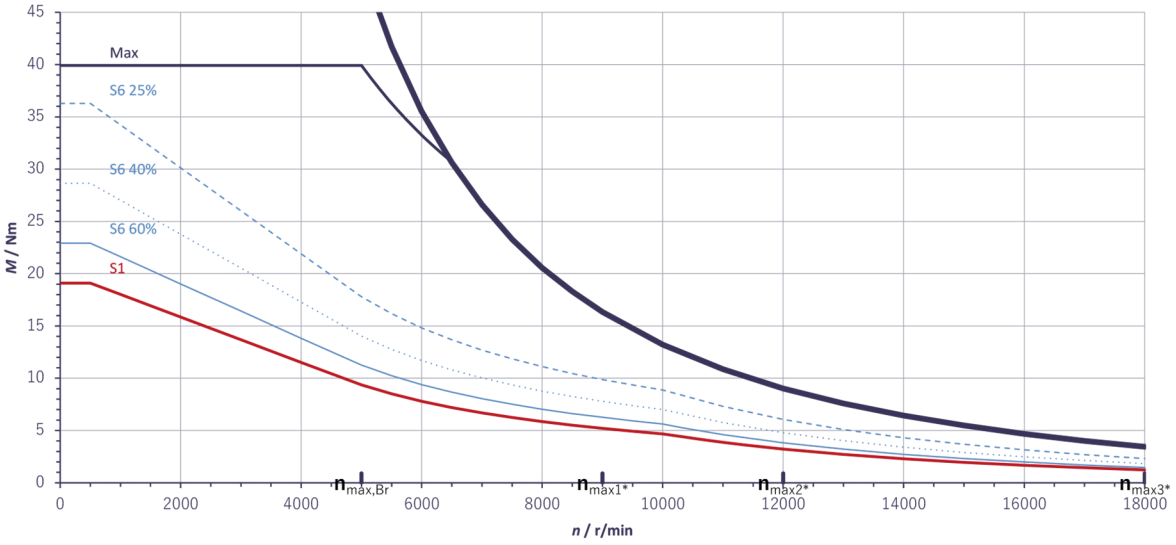


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8101-1□S0, 1PH8101-1□S1, 1PH8101-1□S7, 1PH8101-3□S0, 1PH8101-3□S1, 1PH8101-3□S7 in Delta-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
5000	4,9	9,0	13,5	9000	12000	18000	5000	10000	40,0	60	19	20,2
4000	3,7	9	13,5					13000				

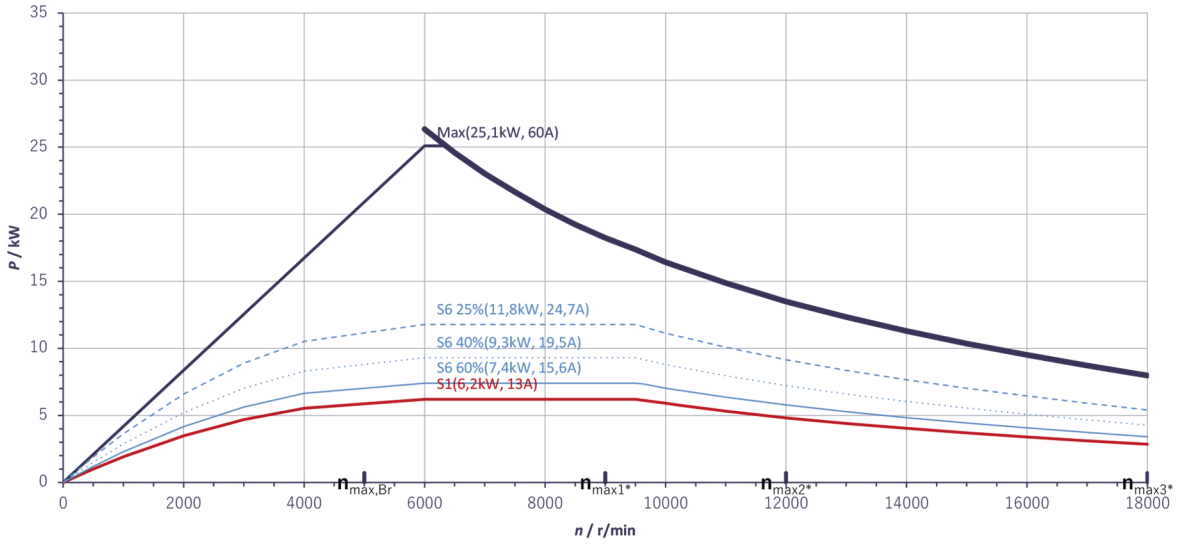


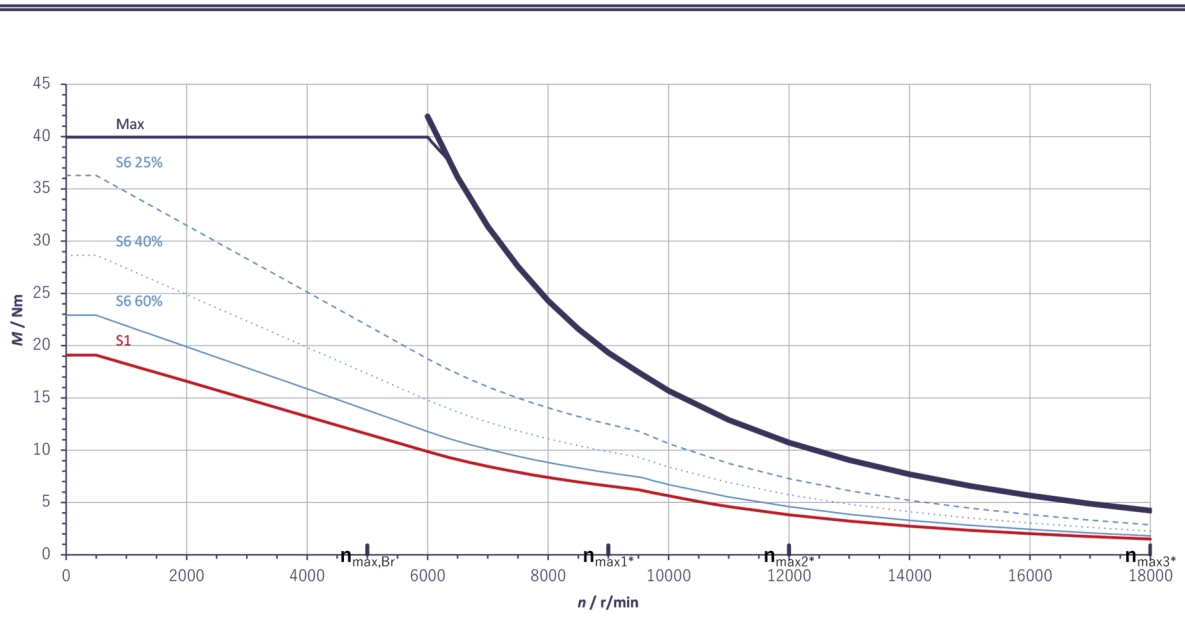


SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)

Induction motor 1PH8101-1□S0, 1PH8101-1□S1, 1PH8101-1□S7, 1PH8101-3□S0, 1PH8101-3□S1, 1PH8101-3□S7 in Delta-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
6000	6,2	10,0	13,0	9000	12000	18000	5000	9500	40,0	60	19	20,2

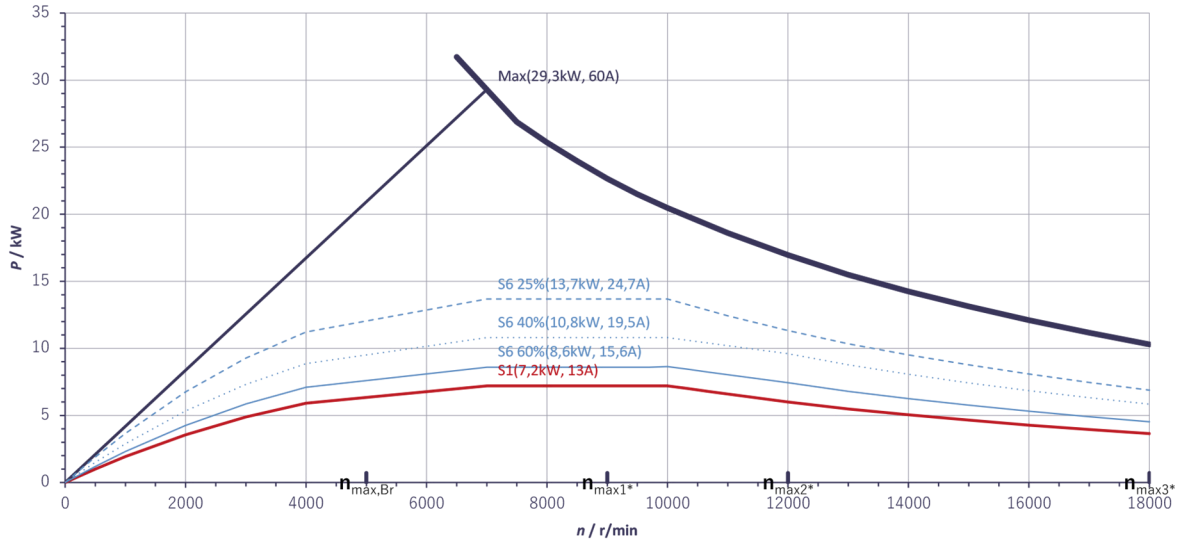


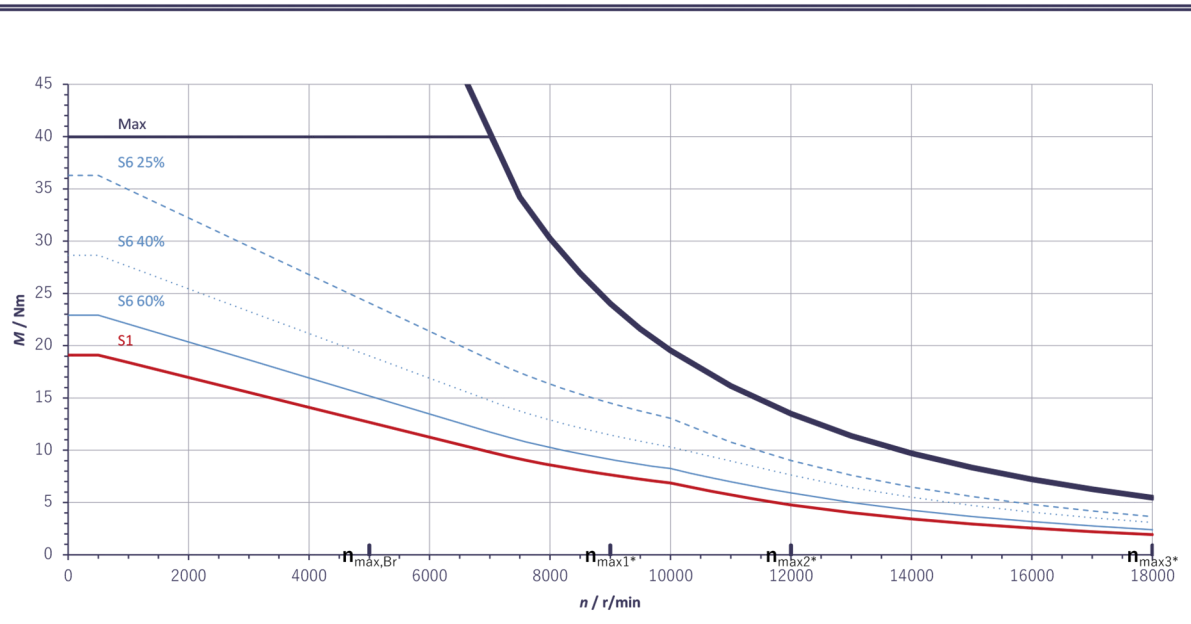


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8101-1□S0, 1PH8101-1□S1, 1PH8101-1□S7, 1PH8101-3□S0, 1PH8101-3□S1, 1PH8101-3□S7 in Delta-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
7000	7,2	10,0	13,0	9000	12000	18000	5000	10000	40,0	60	19	20,2

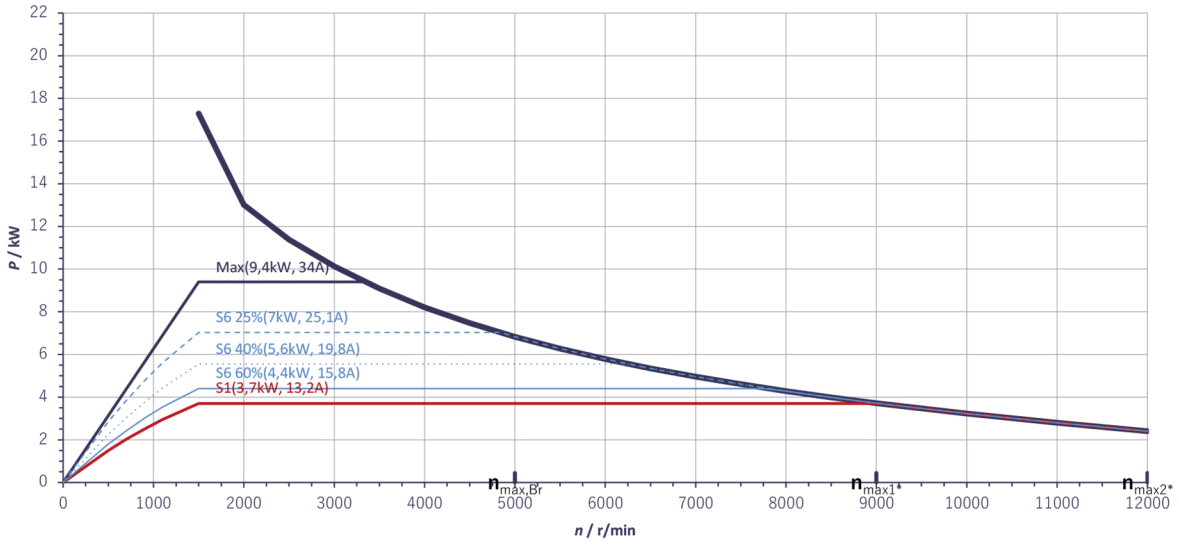


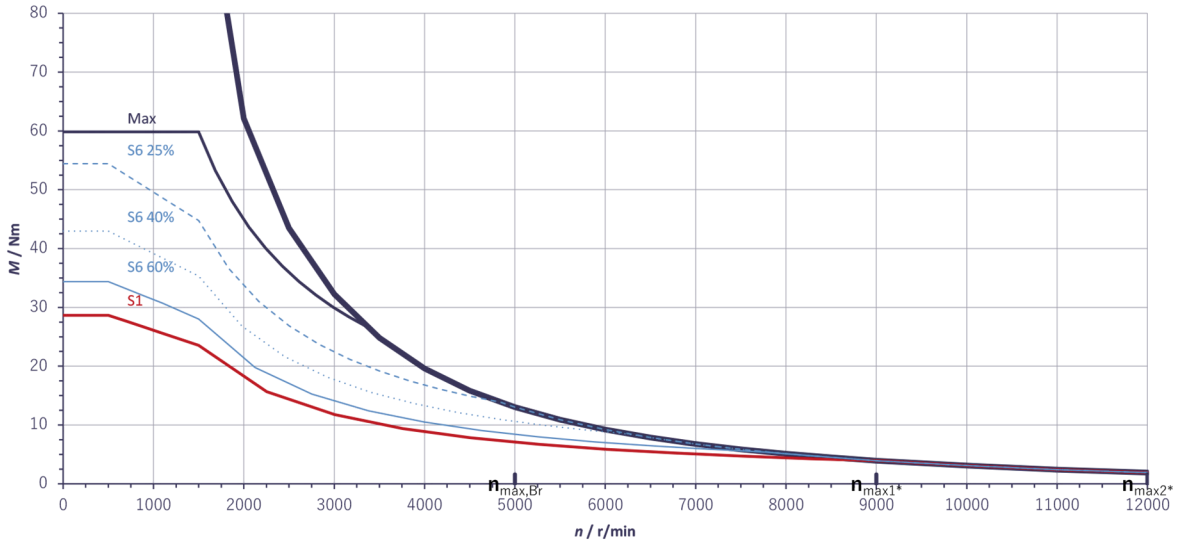


SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)

Induction motor 1PH8101-1□S0, 1PH8101-1□S1, 1PH8101-1□S7, 1PH8101-3□S0, 1PH8101-3□S1, 1PH8101-3□S7 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	3,7	24,0	13,2	9000	12000	--	5000	9100	60,0	34	29	14,5

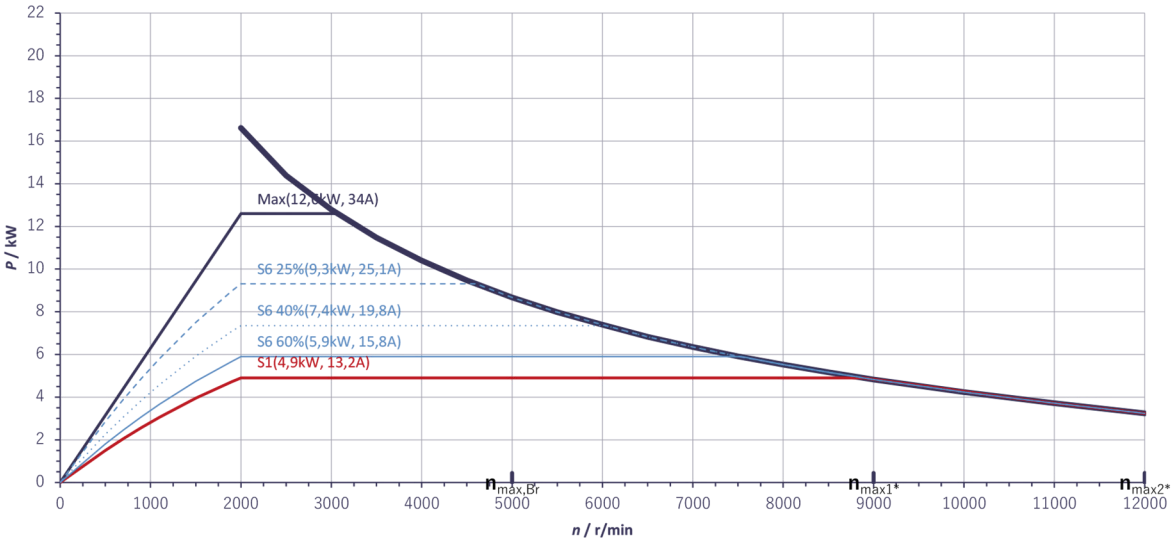


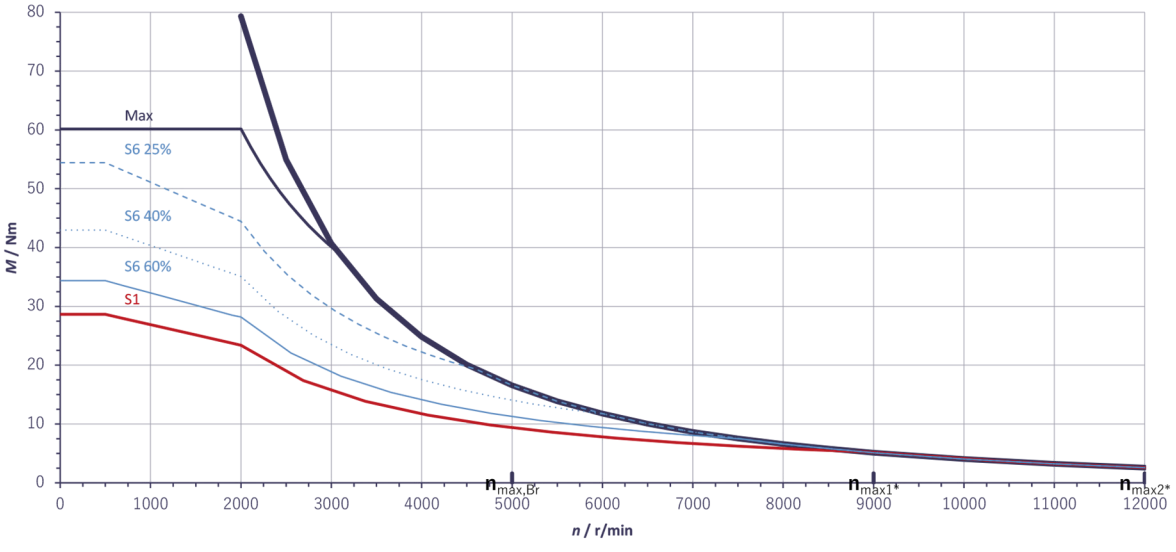


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8101-1□S0, 1PH8101-1□S1, 1PH8101-1□S7, 1PH8101-3□S0, 1PH8101-3□S1, 1PH8101-3□S7 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	4,9	23,0	13,2	9000	12000	--	5000	8950	60,0	34	29	14,5
1500	3,7	24	13,2					11000				

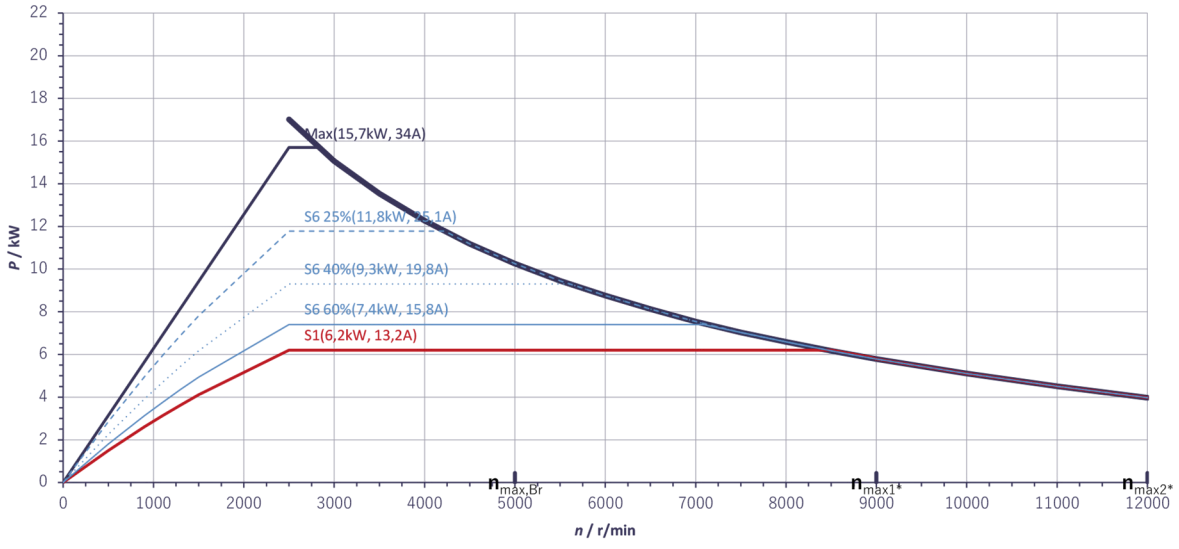


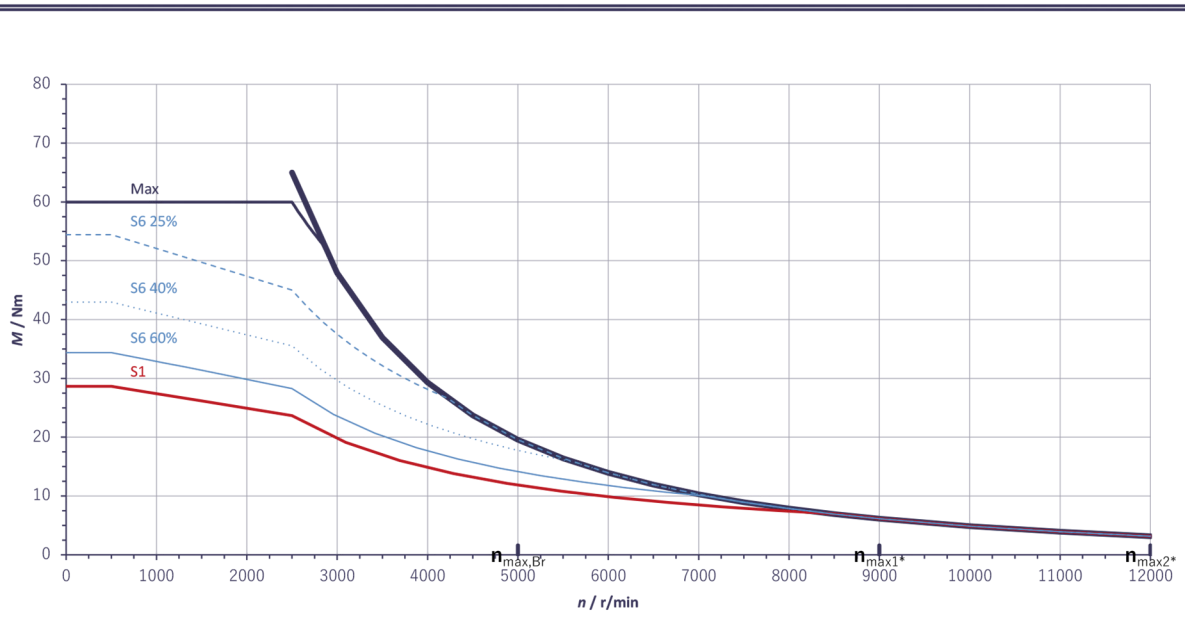


SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)

Induction motor 1PH8101-1□S0, 1PH8101-1□S1, 1PH8101-1□S7, 1PH8101-3□S0, 1PH8101-3□S1, 1PH8101-3□S7 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2500	6,2	24,0	13,2	9000	12000	--	5000	8500	60,0	34	29	14,5

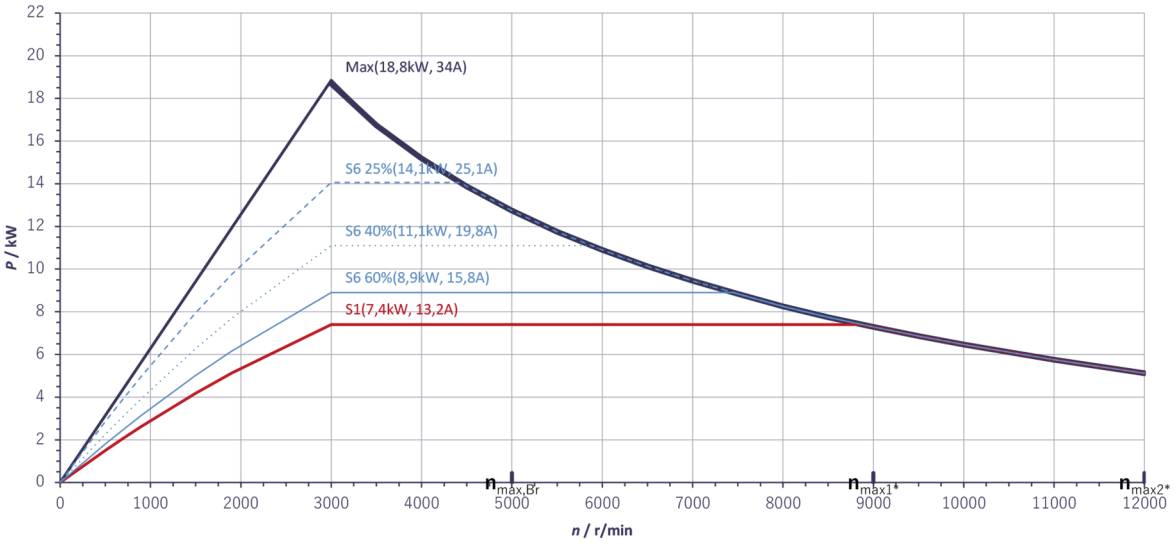


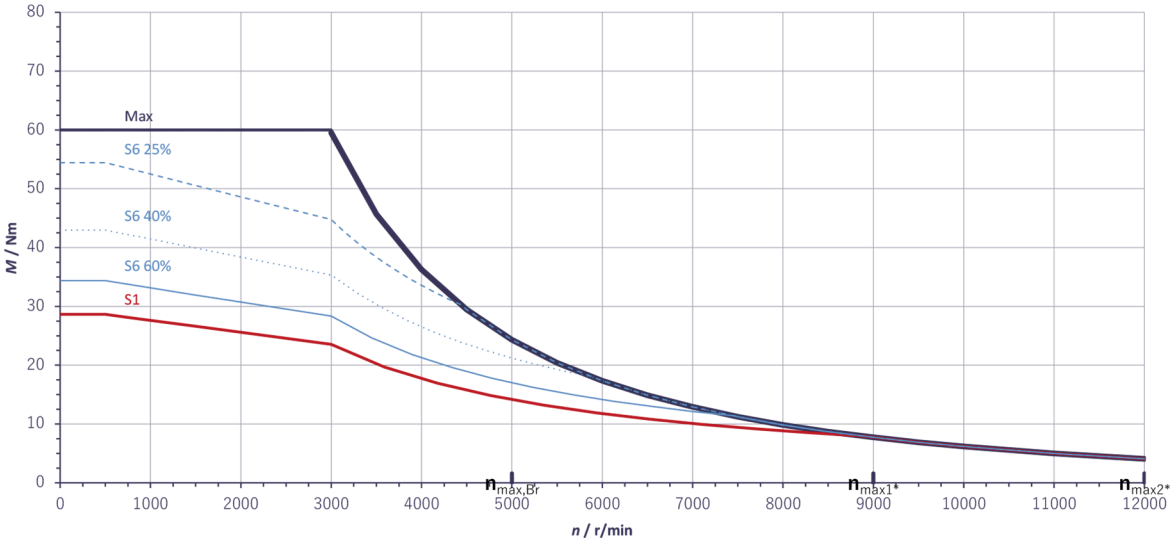


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8101-1□S0, 1PH8101-1□S1, 1PH8101-1□S7, 1PH8101-3□S0, 1PH8101-3□S1, 1PH8101-3□S7 in Star-connection

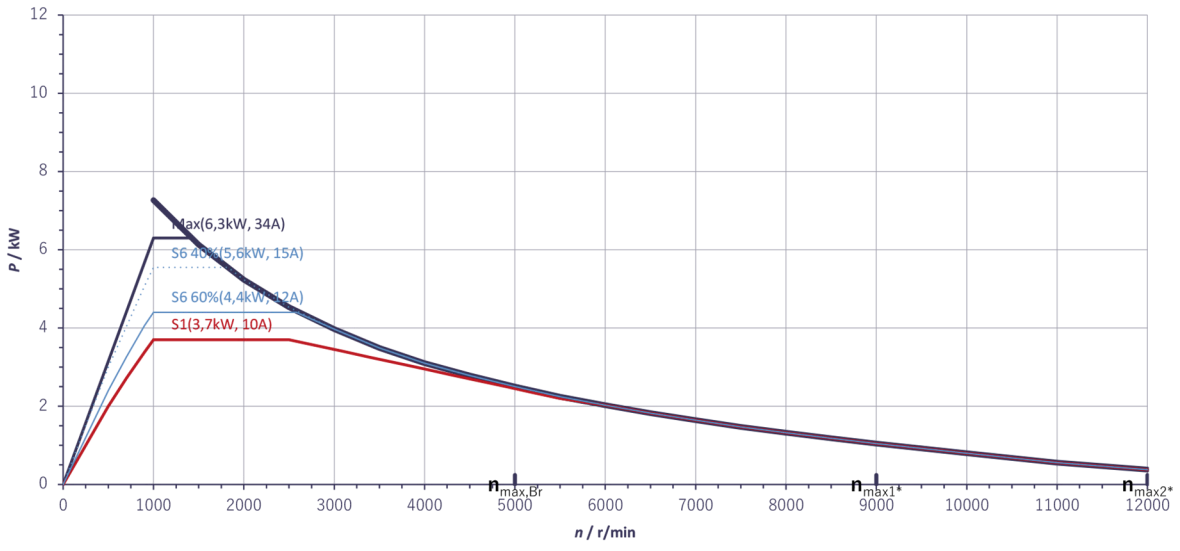
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3000	7,4	24,0	13,2	9000	12000	--	5000	8900	60,0	34	29	14,5

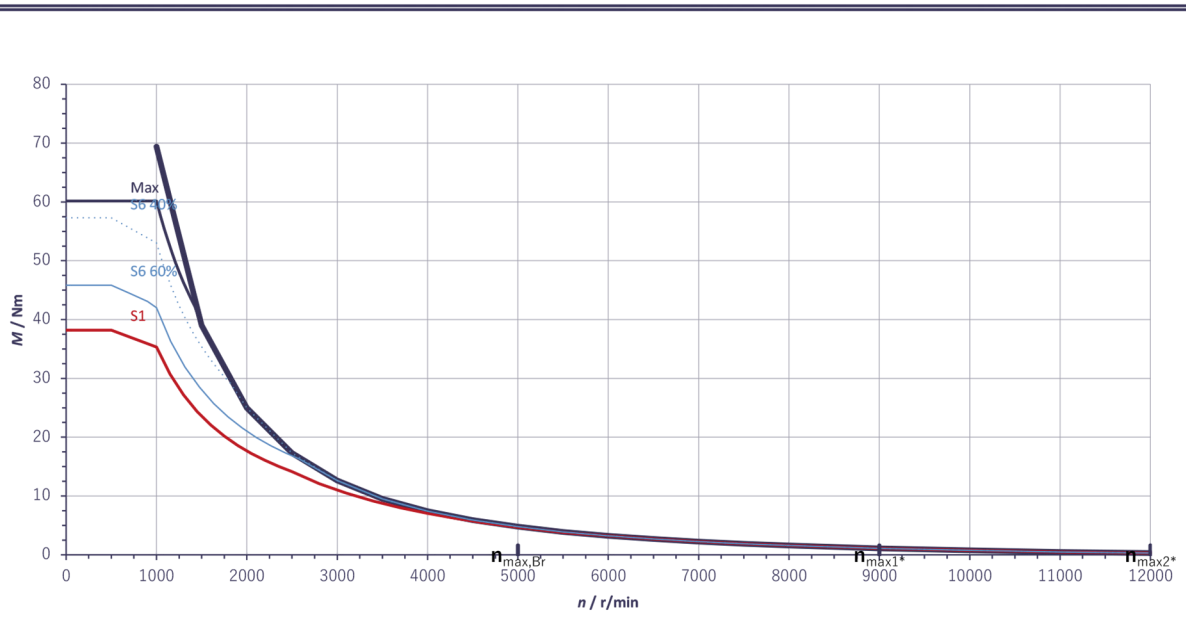




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8103-1□D0, 1PH8103-1□D1, 1PH8103-3□D0, 1PH8103-3□D1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1000	3,7	35,0	10,0	9000	12000	--	5000	2550	60,0	34	38	11,0

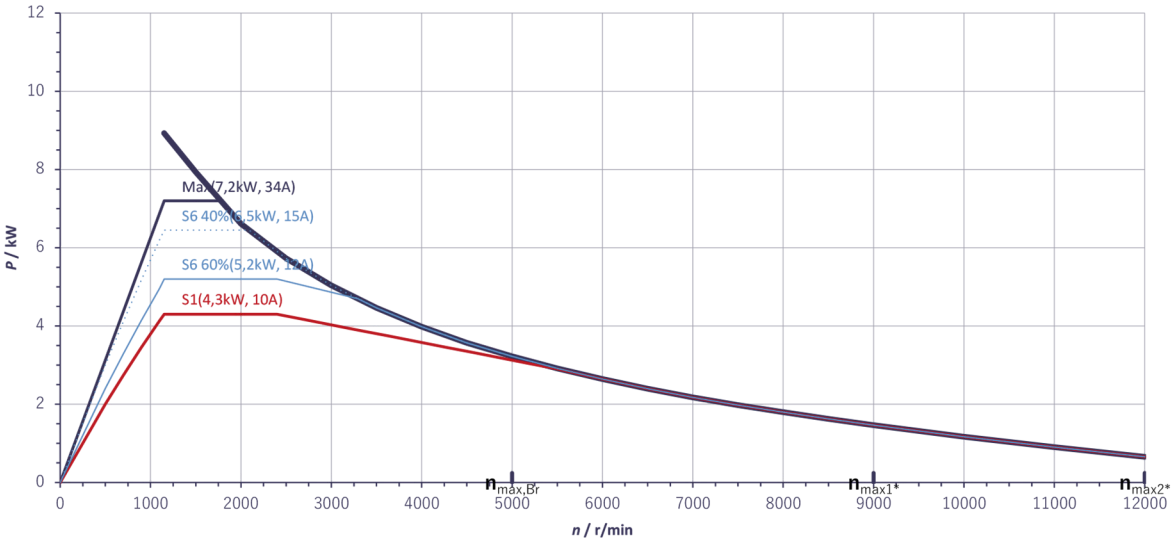


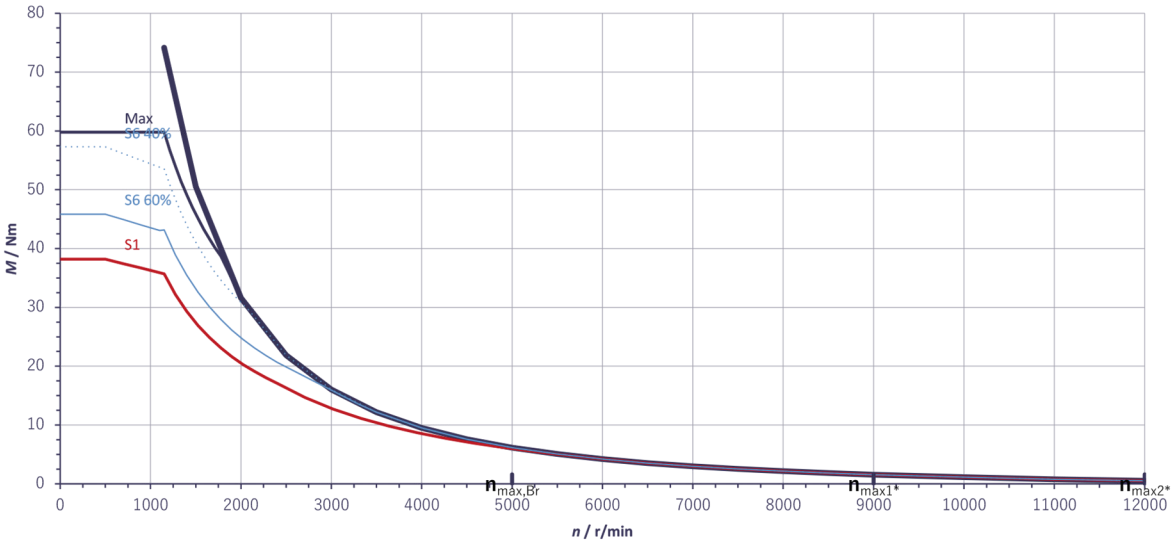


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8103-1□D0, 1PH8103-1□D1, 1PH8103-3□D0, 1PH8103-3□D1 in Star-connection

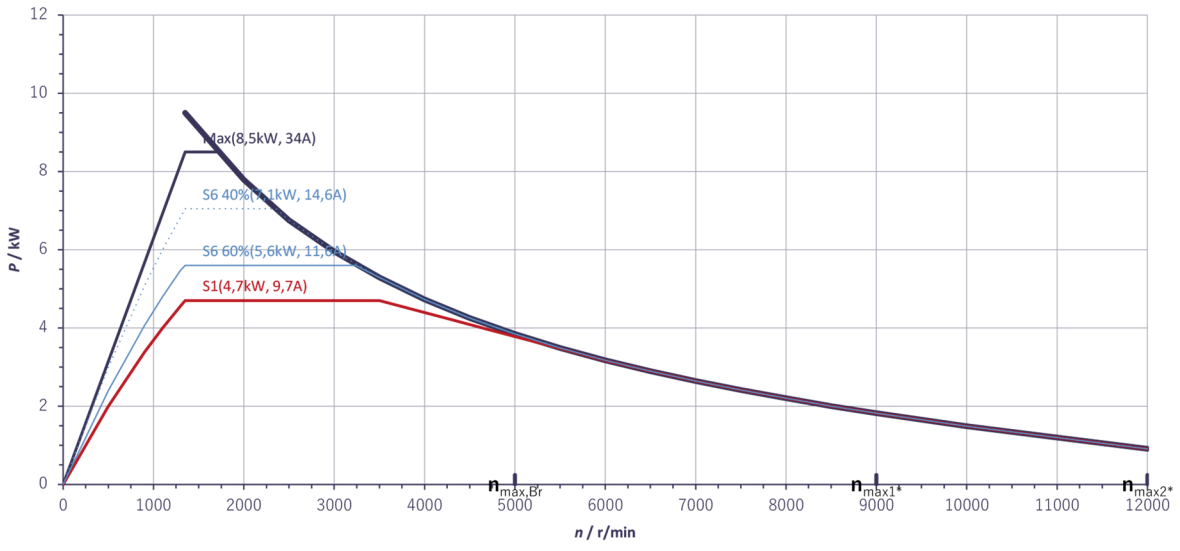
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1150	4,3	36,0	10,0	9000	12000	--	5000	2450	60,0	34	38	11,0
1000	3,7	35	10,0					3800				

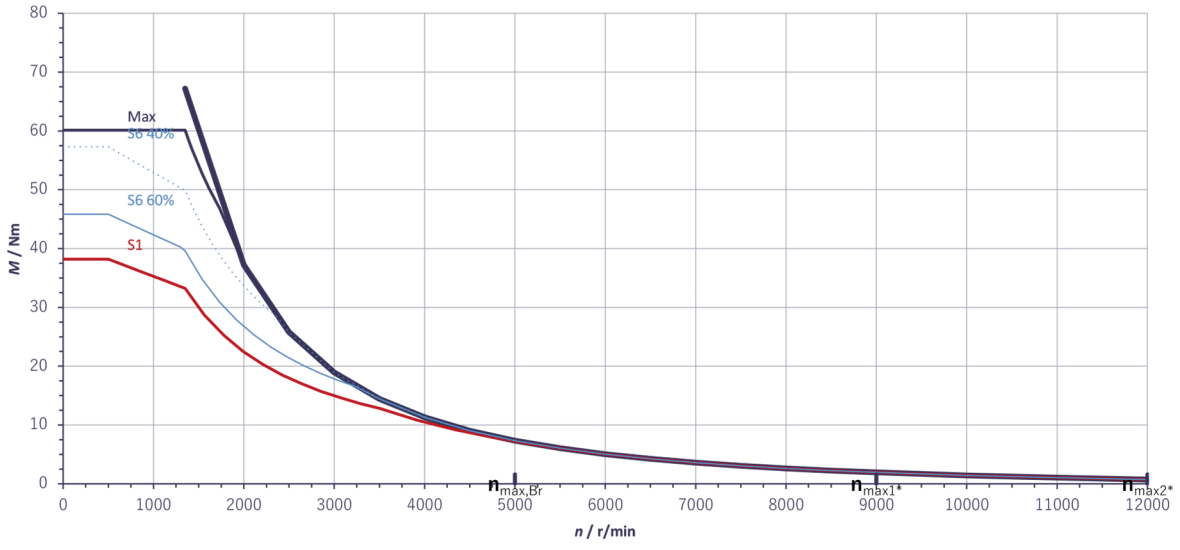




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8103-1□D0, 1PH8103-1□D1, 1PH8103-3□D0, 1PH8103-3□D1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1350	4,7	33,0	9,7	9000	12000	--	5000	3500	60,0	34	38	11,0

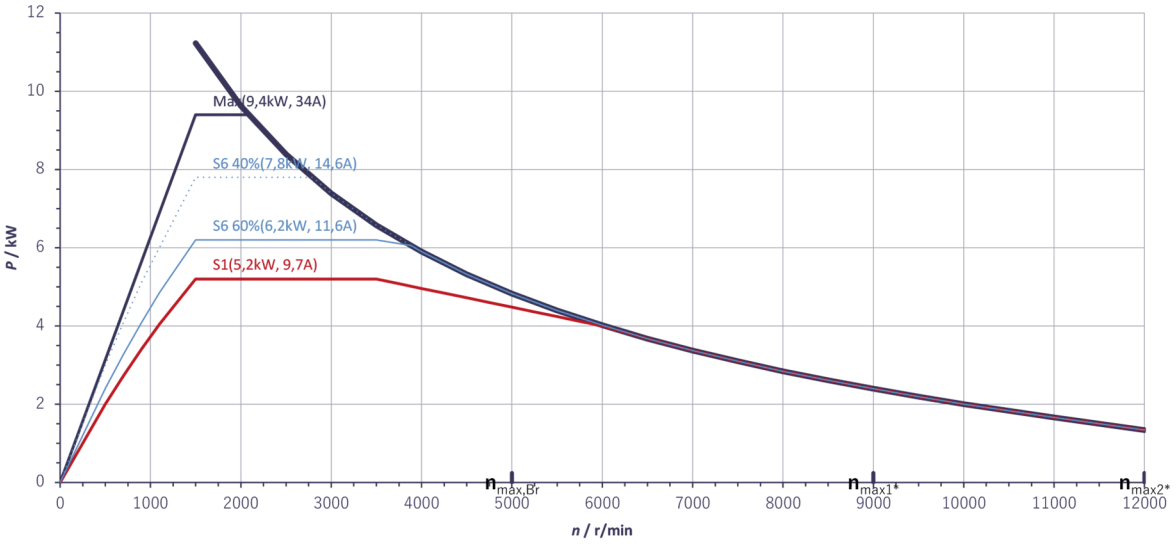


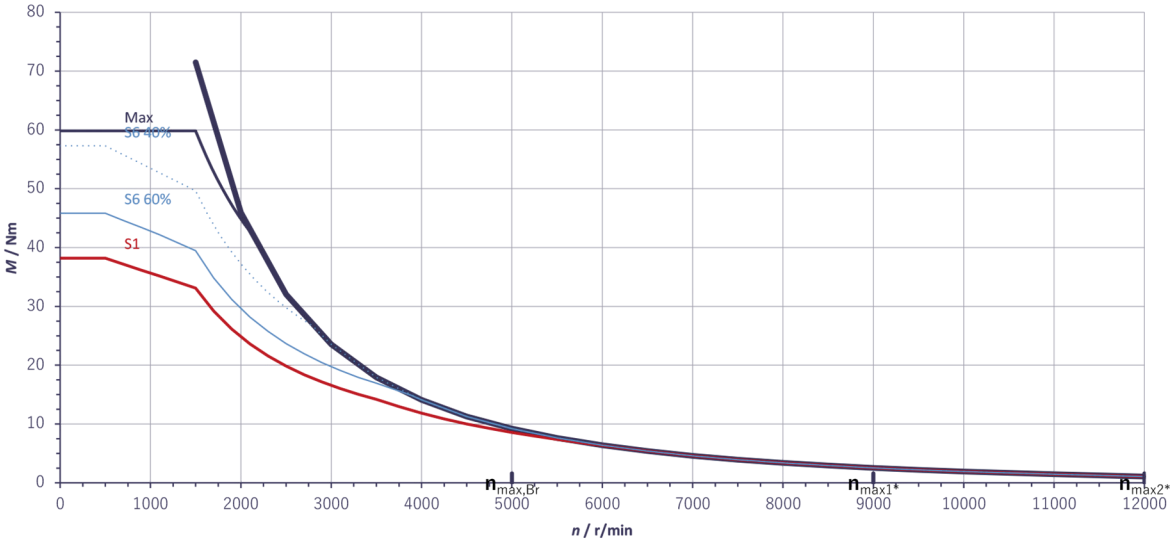


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8103-1□D0, 1PH8103-1□D1, 1PH8103-3□D0, 1PH8103-3□D1 in Star-connection

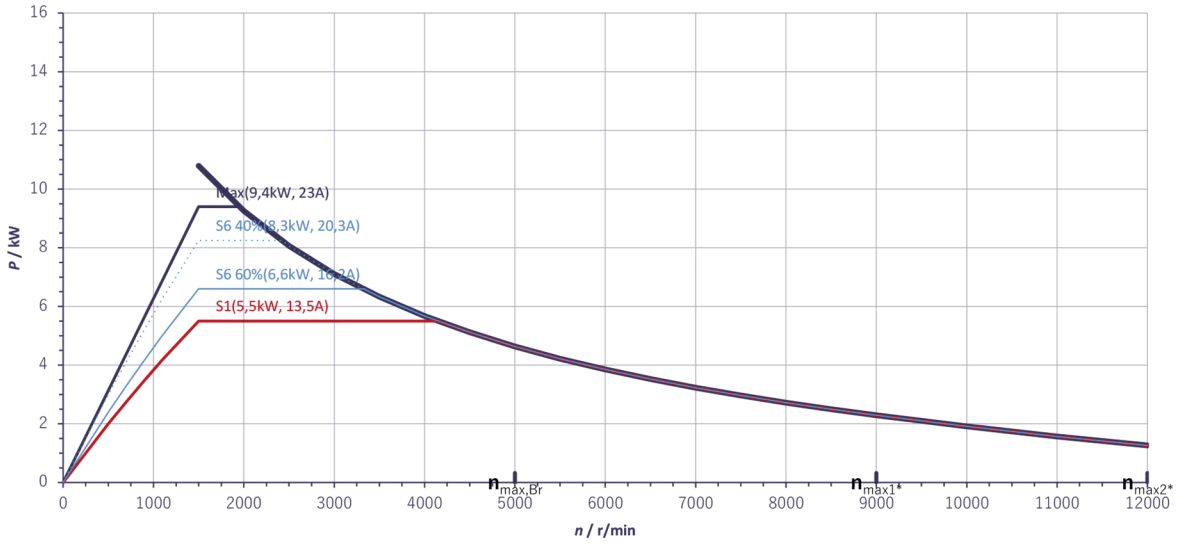
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	5,2	33,0	9,7	9000	12000	--	5000	3500	60,0	34	38	11,0

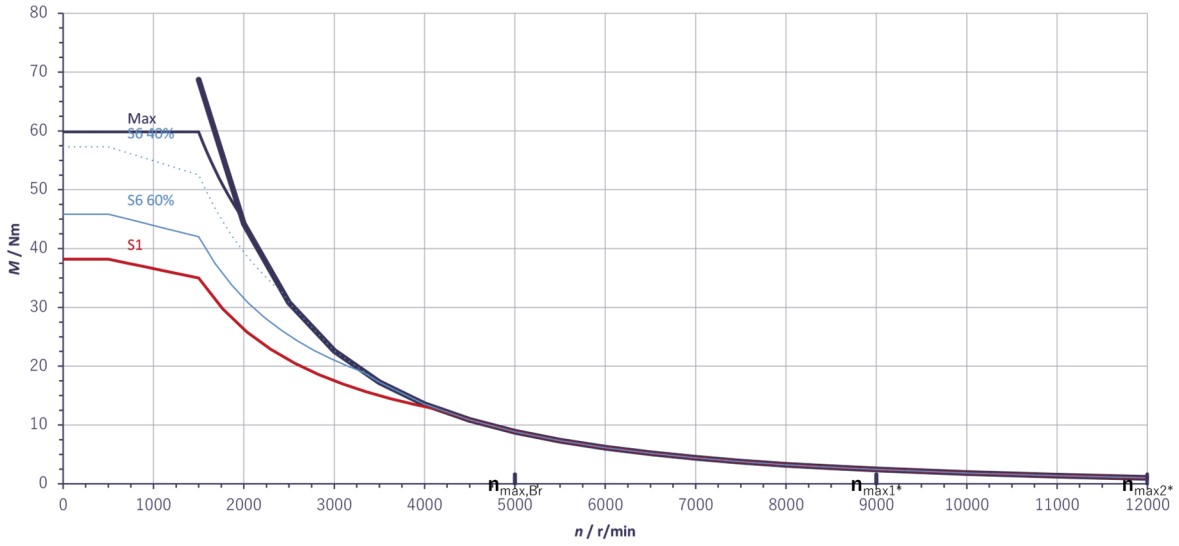




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8103-1□F0, 1PH8103-1□F1, 1PH8103-3□F0, 1PH8103-3□F1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	5,5	35,0	13,5	9000	12000	--	5000	4200	60,0	23	38	13,9

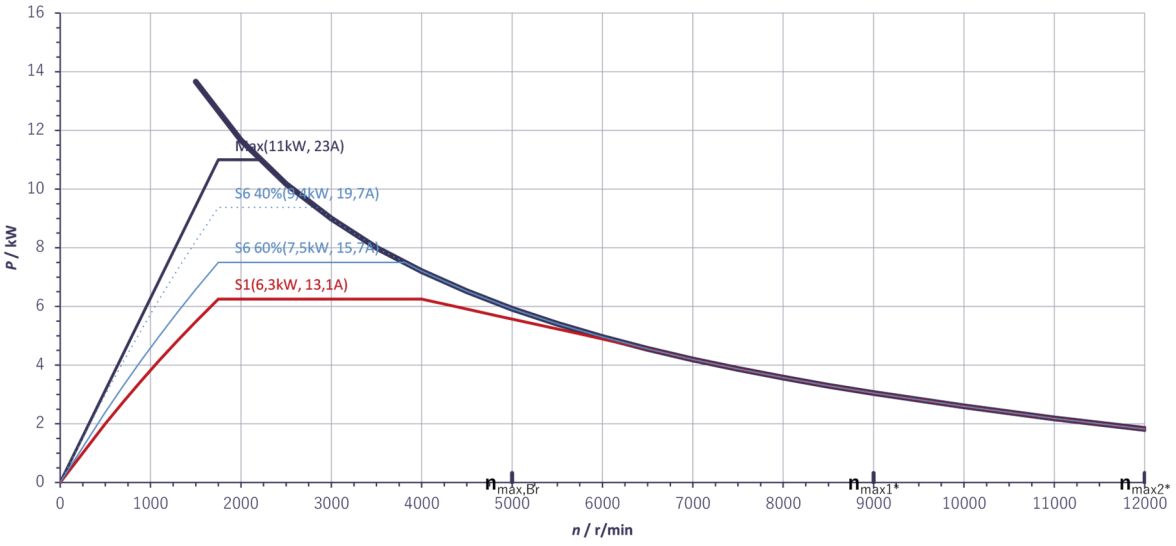


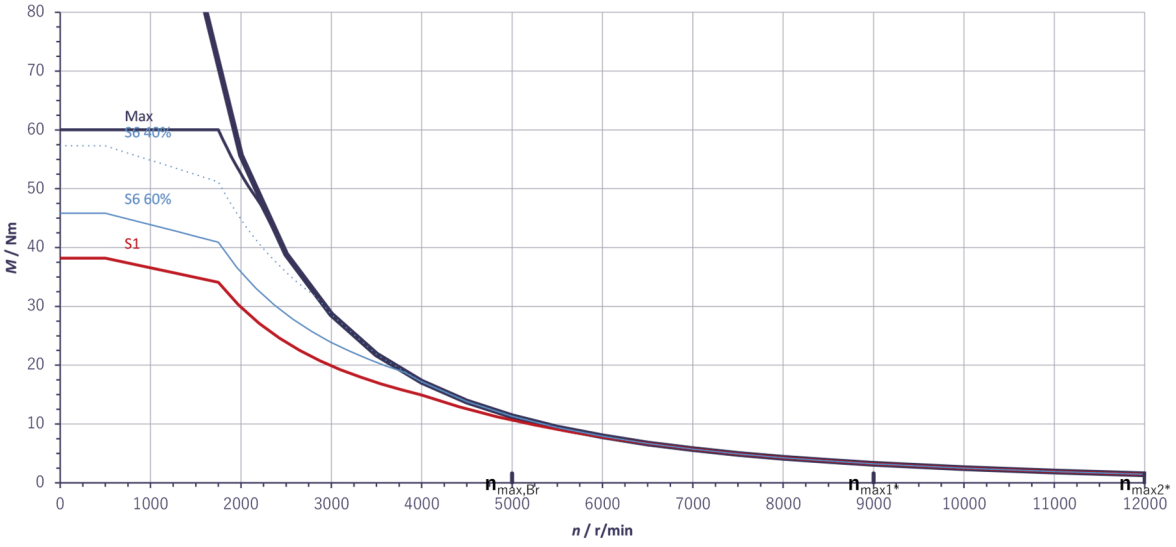


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8103-1□F0, 1PH8103-1□F1, 1PH8103-3□F0, 1PH8103-3□F1 in Star-connection

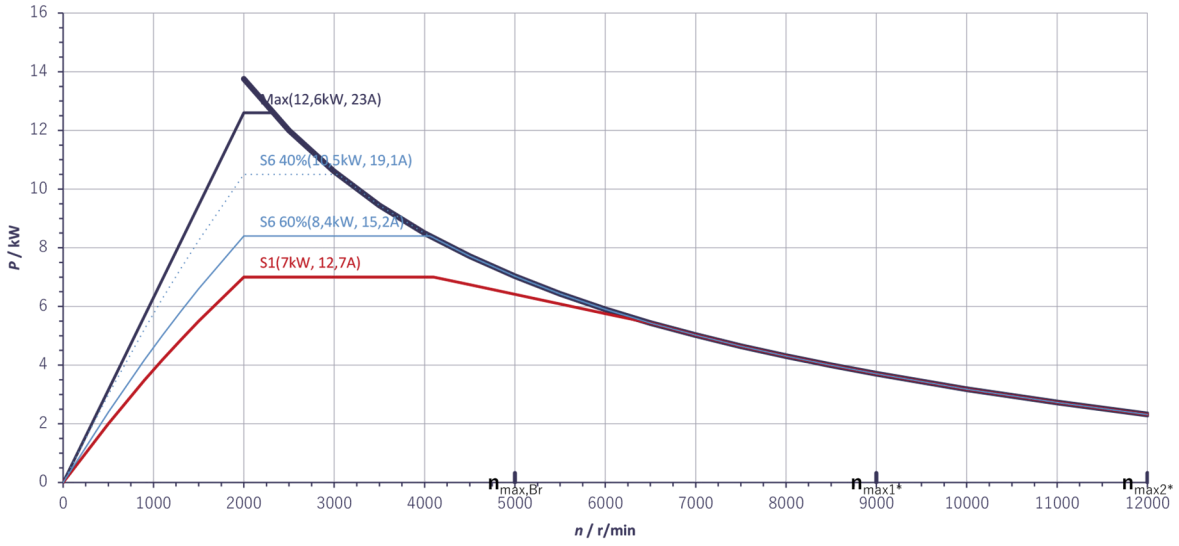
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	6,3	34,0	13,1	9000	12000	--	5000	4000	60,0	23	38	13,9
1500	5,5	35	13,5					5200				

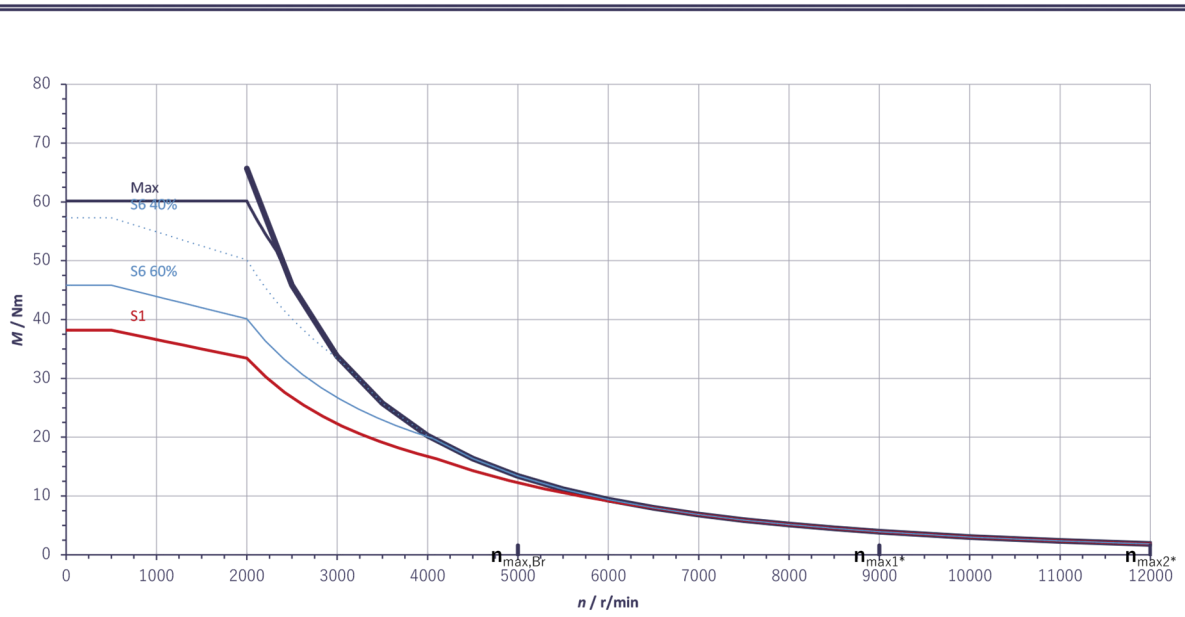




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8103-1□F0, 1PH8103-1□F1, 1PH8103-3□F0, 1PH8103-3□F1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	7,0	33,0	12,7	9000	12000	--	5000	4100	60,0	23	38	13,9

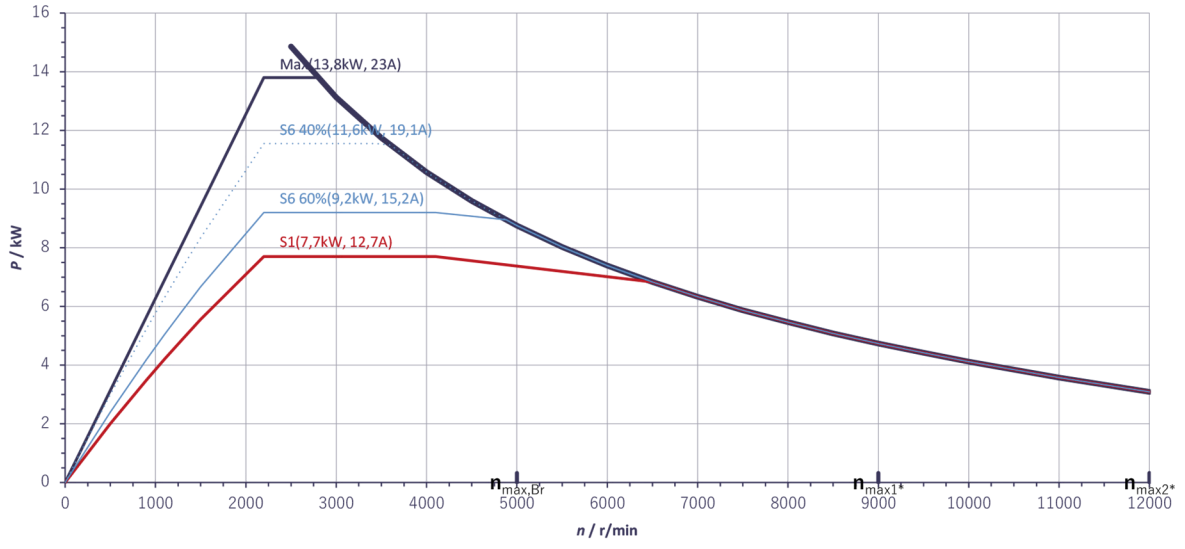


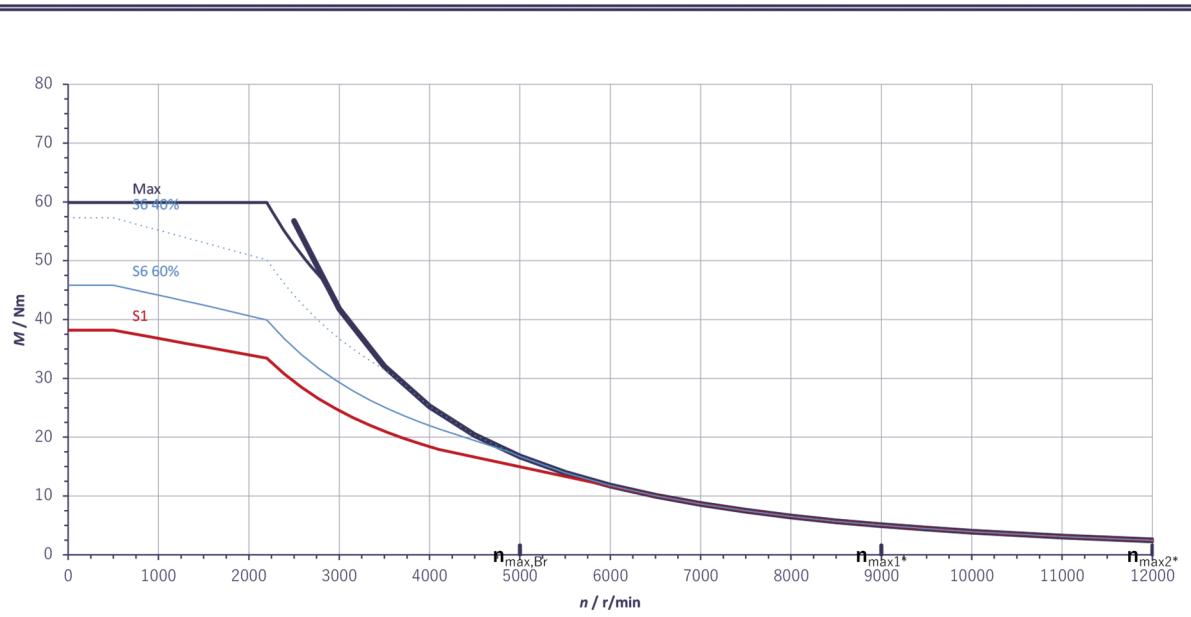


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8103-1□F0, 1PH8103-1□F1, 1PH8103-3□F0, 1PH8103-3□F1 in Star-connection

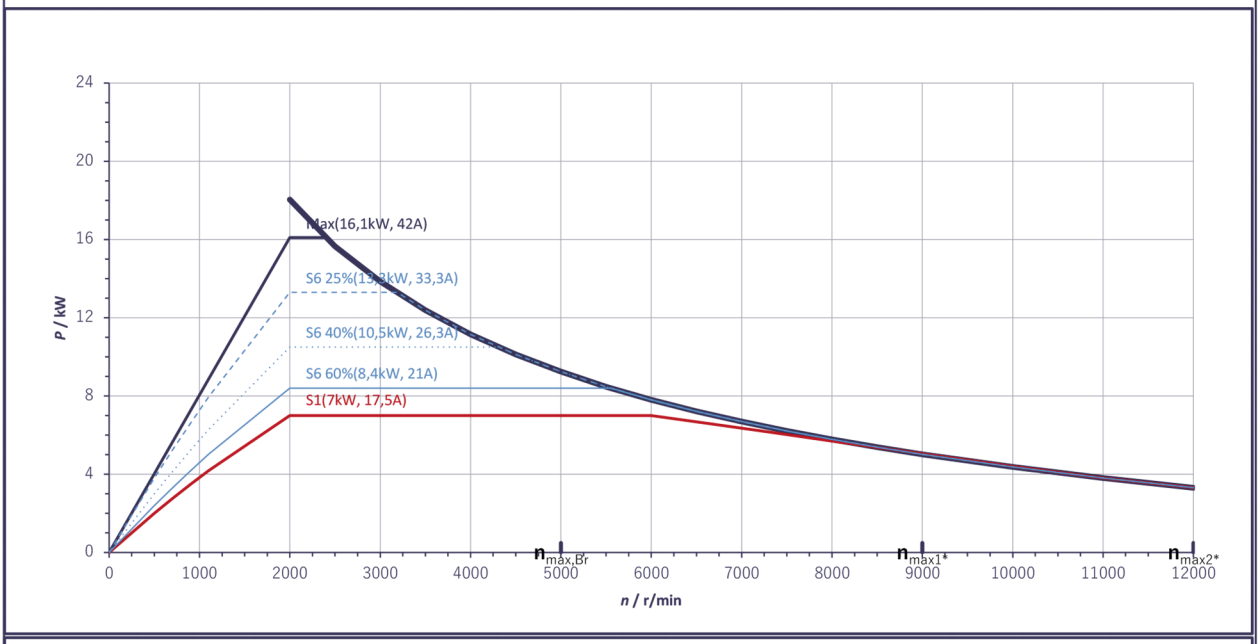
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	7,7	33,0	12,7	9000	12000	--	5000	4100	60,0	23	38	13,9

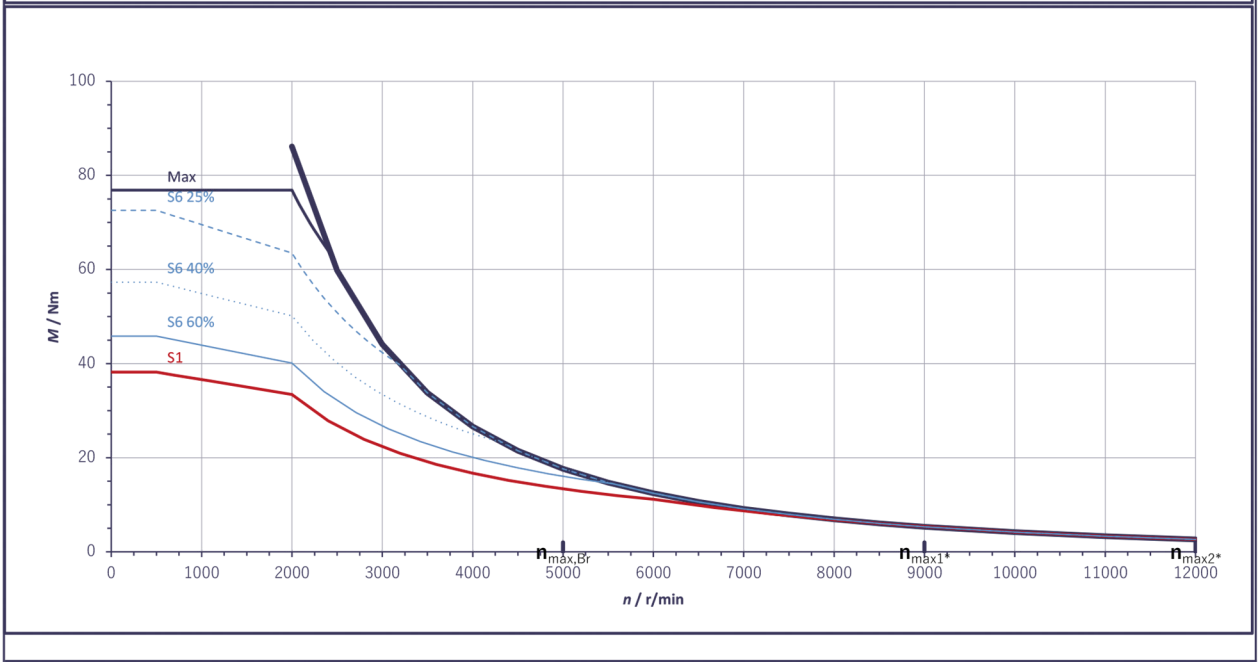




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8103-1□G0, 1PH8103-1□G1, 1PH8103-3□G0, 1PH8103-3□G1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	7,0	33,0	17,5	9000	12000	--	5000	6000	77,0	42	38	19,0

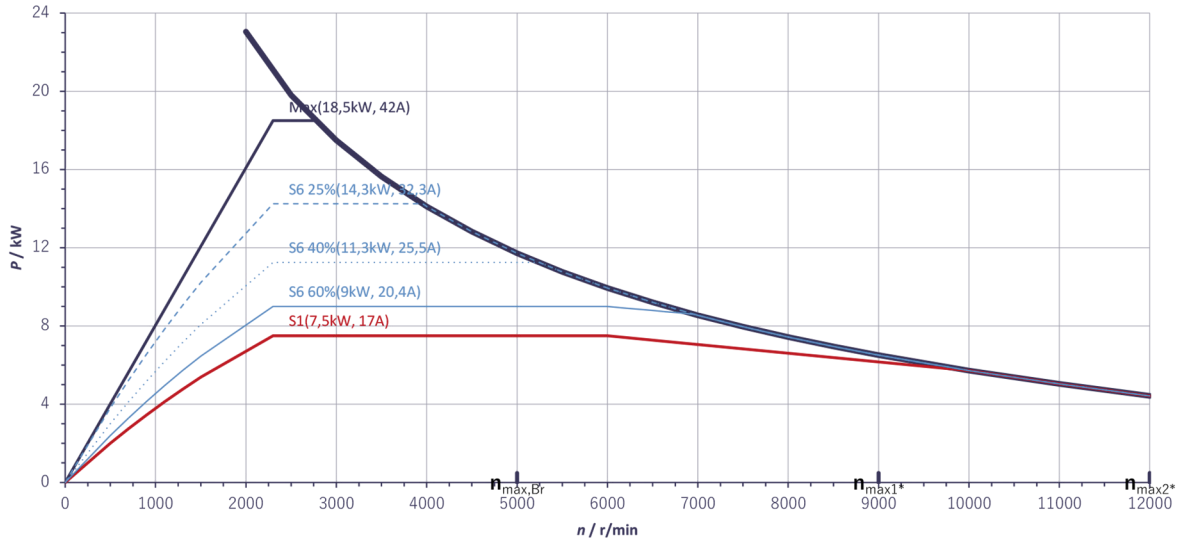


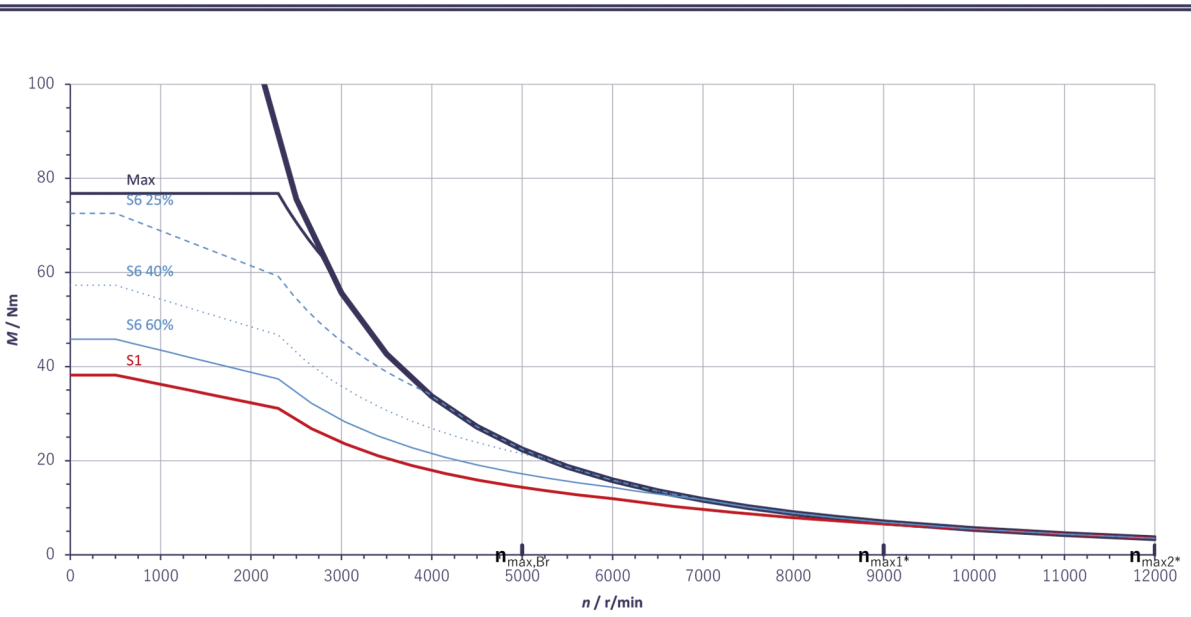


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8103-1□G0, 1PH8103-1□G1, 1PH8103-3□G0, 1PH8103-3□G1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	7,5	31,0	17,0	9000	12000	--	5000	6000	77,0	42	38	19,0
2000	7,0	33	17,5					7200				

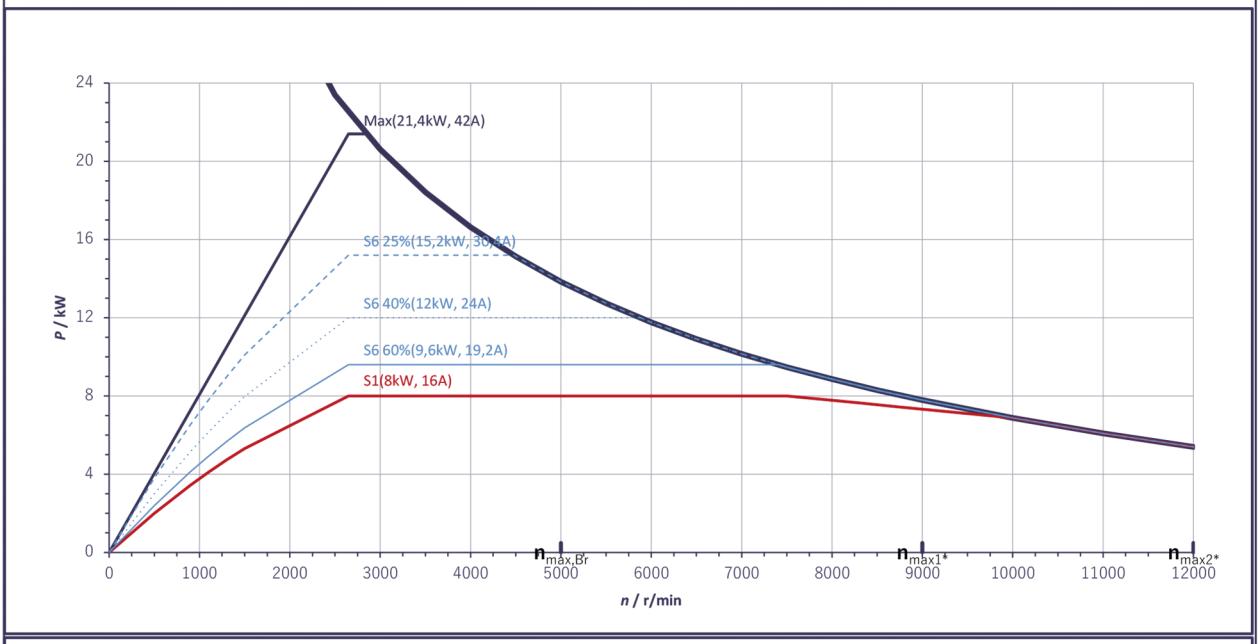


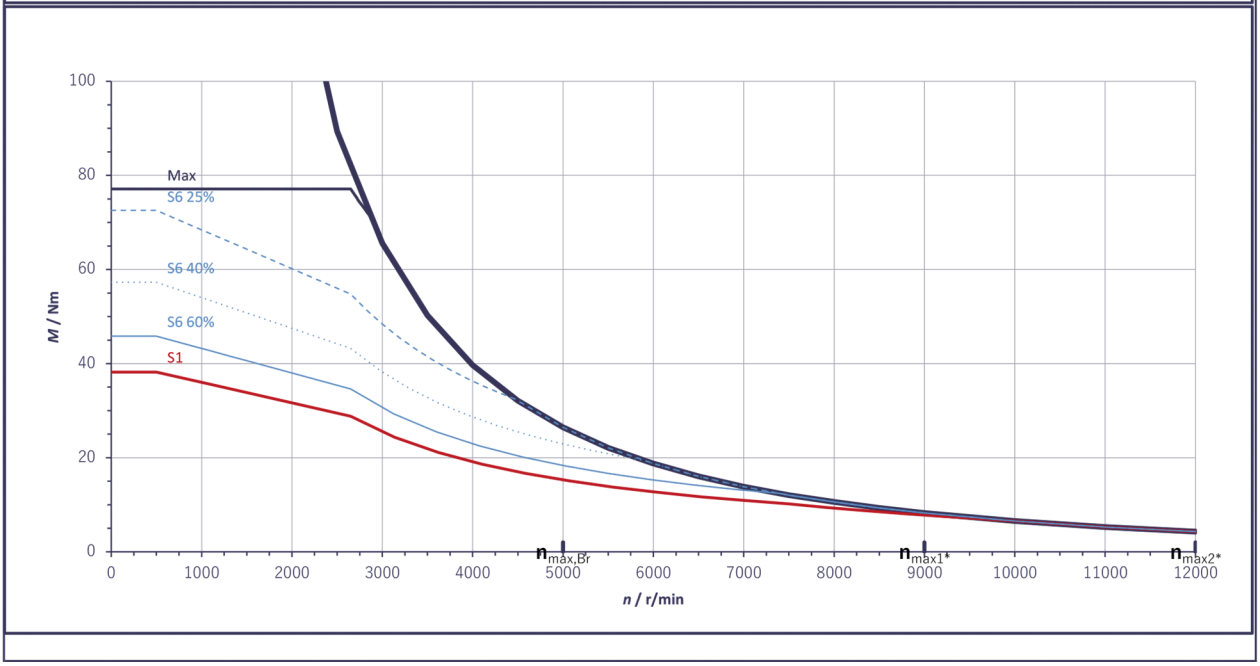


SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)

Induction motor 1PH8103-1□G0, 1PH8103-1□G1, 1PH8103-3□G0, 1PH8103-3□G1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	8,0	29,0	16,0	9000	12000	--	5000	7500	77,0	42	38	19,0

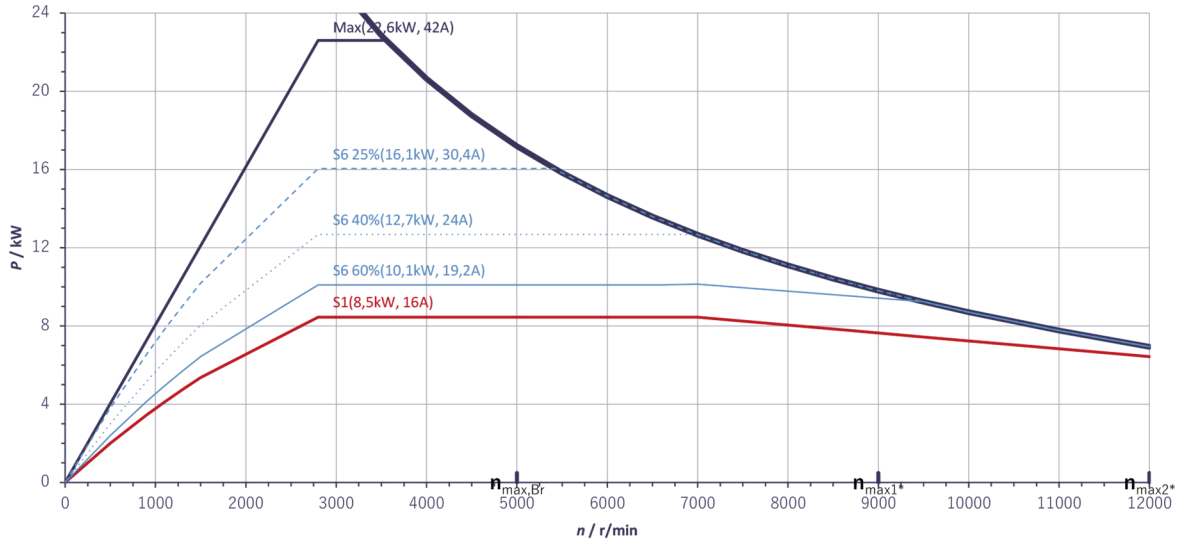


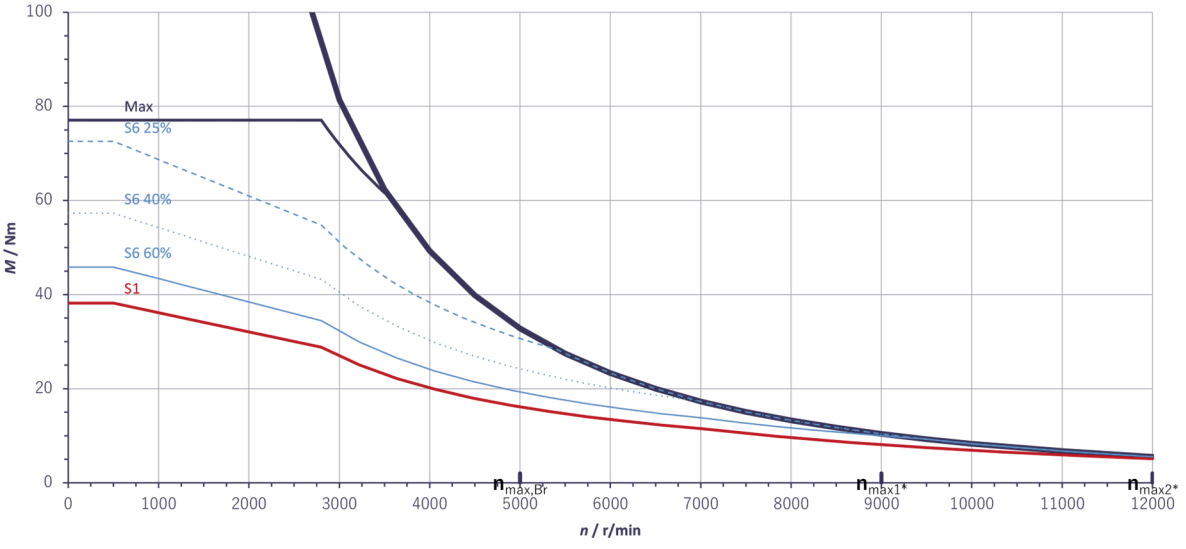


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8103-1□G0, 1PH8103-1□G1, 1PH8103-3□G0, 1PH8103-3□G1 in Star-connection

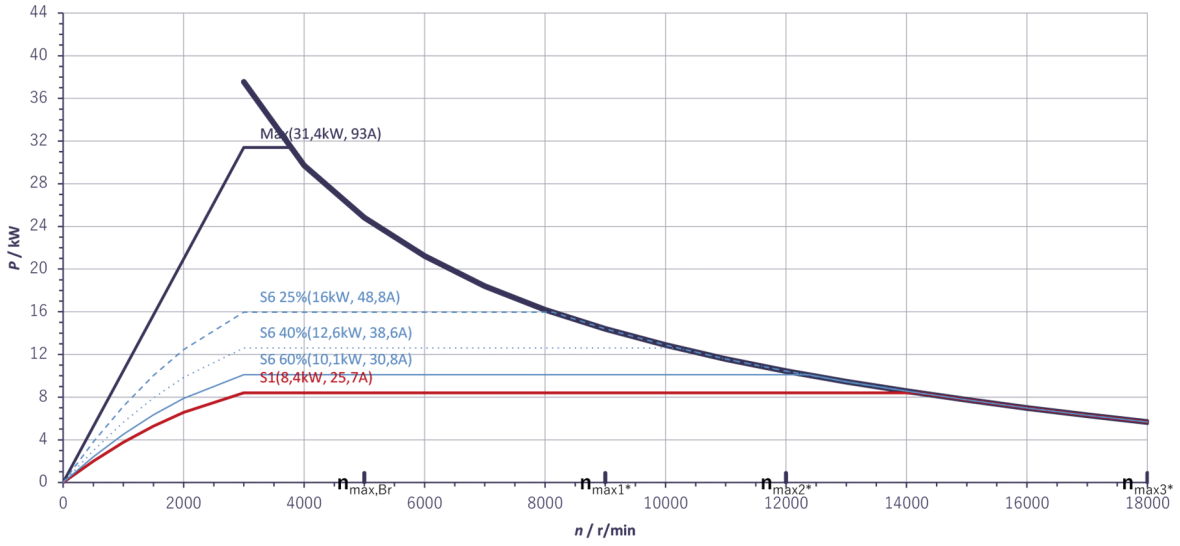
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	8,5	29,0	16,0	9000	12000	--	5000	7000	77,0	42	38	19,0

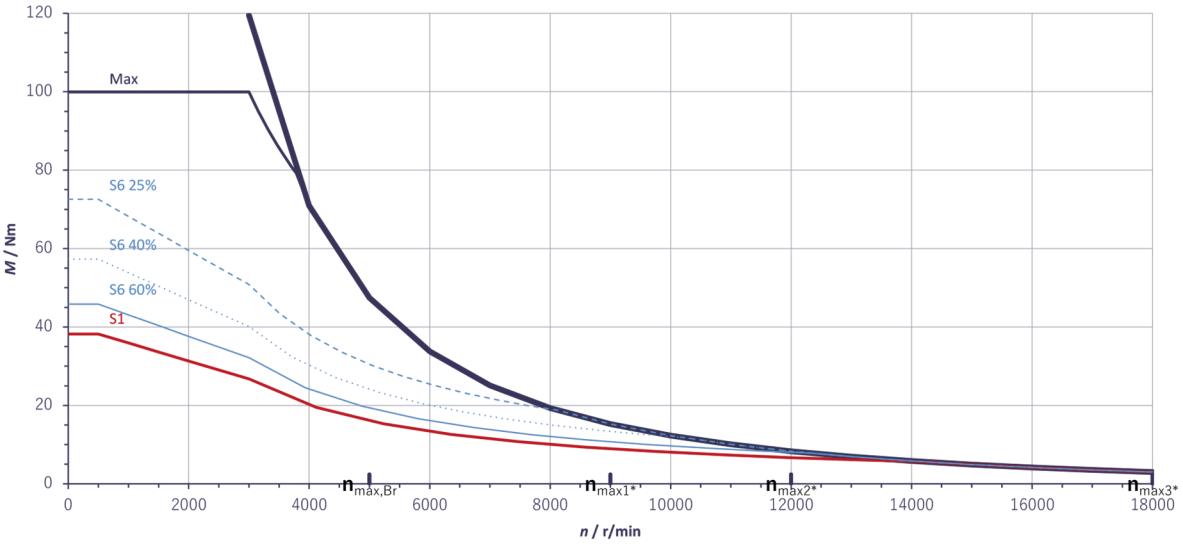




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8103-1□M0, 1PH8103-1□M1, 1PH8103-3□M0, 1PH8103-3□M1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3000	8,4	27,0	25,7	9000	12000	18000	5000	14250	100,0	93	38	31,0

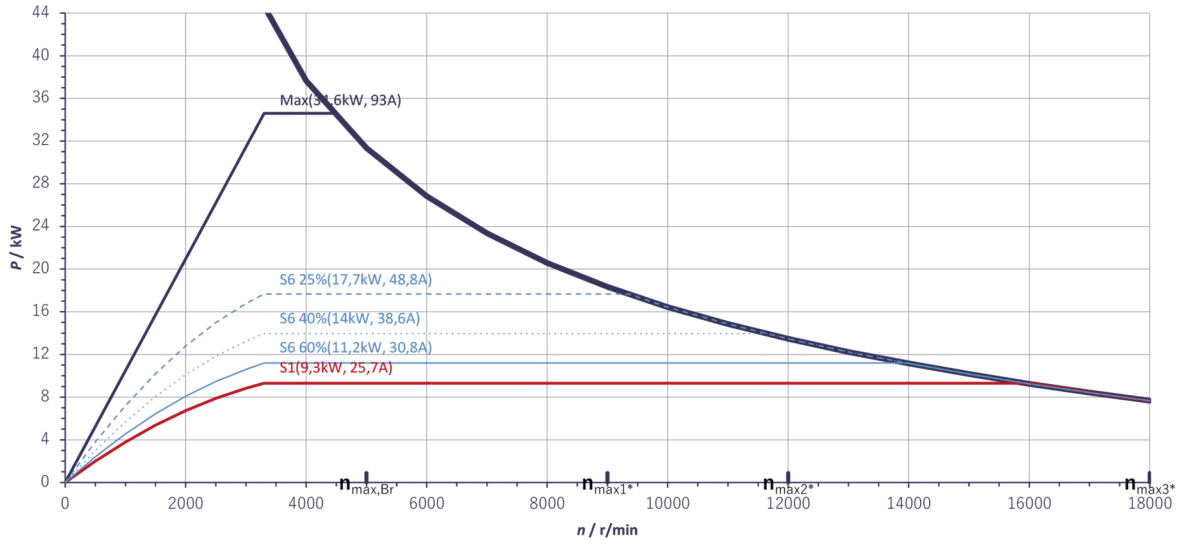


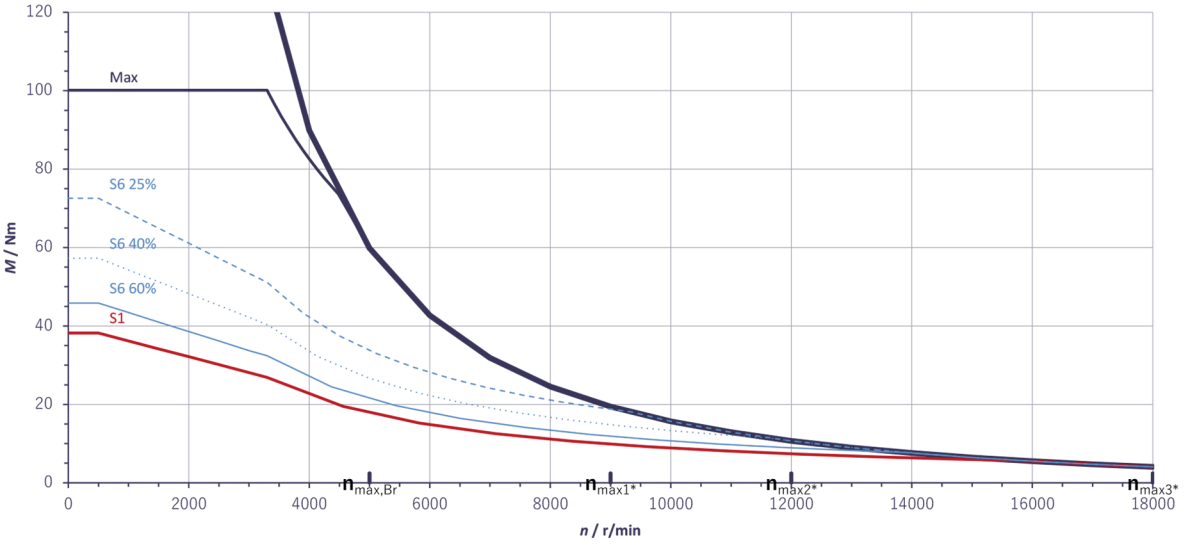


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8103-1□M0, 1PH8103-1□M1, 1PH8103-3□M0, 1PH8103-3□M1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3300	9,3	27,0	25,7	9000	12000	18000	5000	16000	100,0	93	38	31,0
3000	8,4	27	25,7					17100				

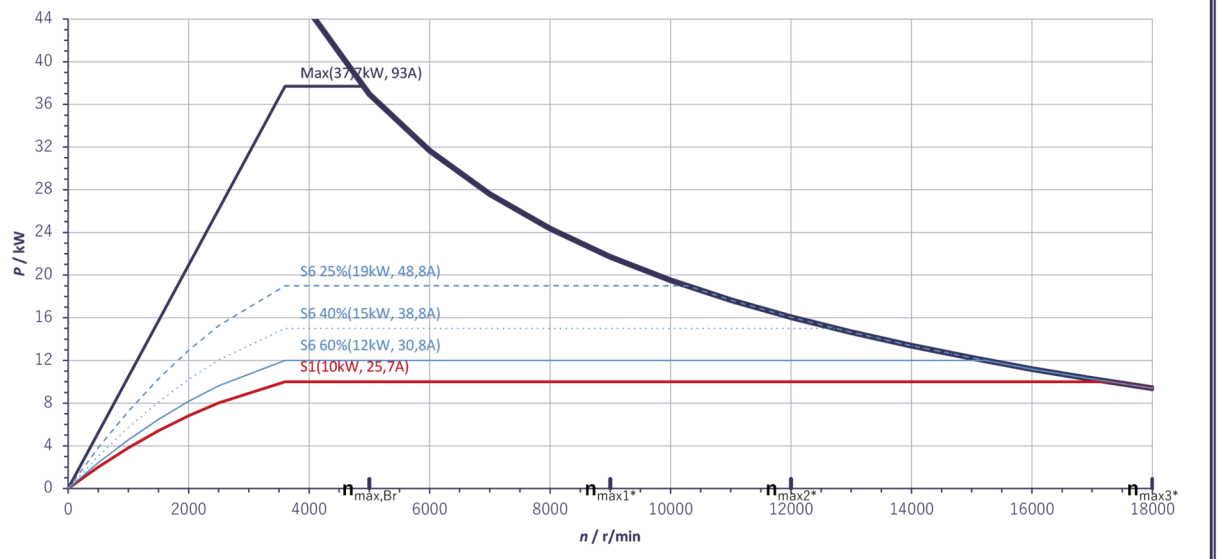


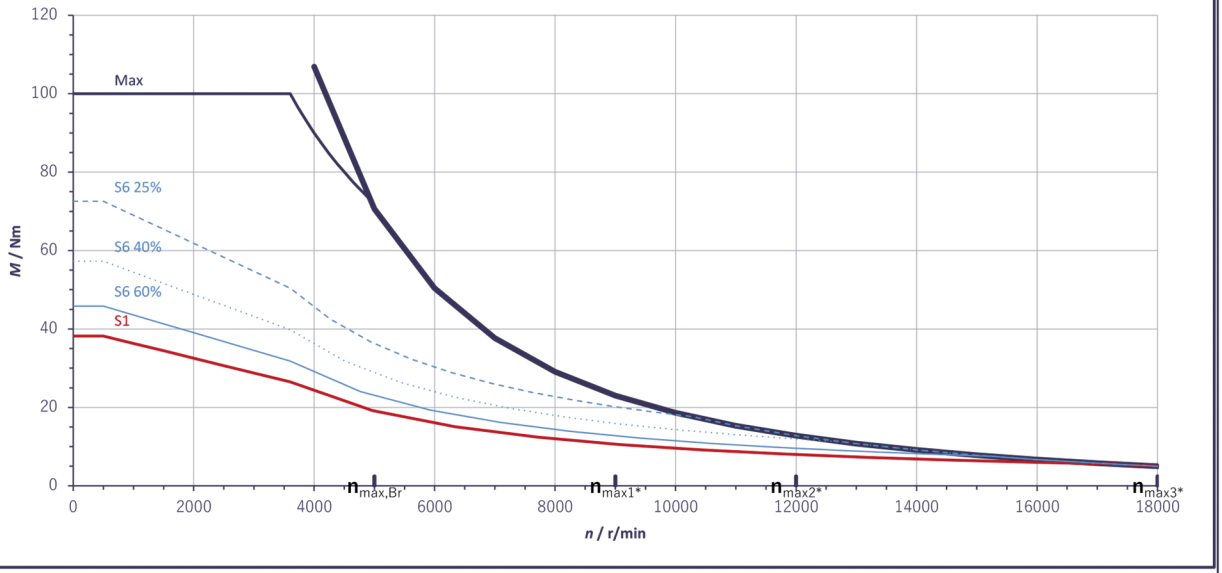


SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)

Induction motor 1PH8103-1□M0, 1PH8103-1□M1, 1PH8103-3□M0, 1PH8103-3□M1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3600	10,0	27,0	25,4	9000	12000	18000	5000	17650	100,0	93	38	31,0

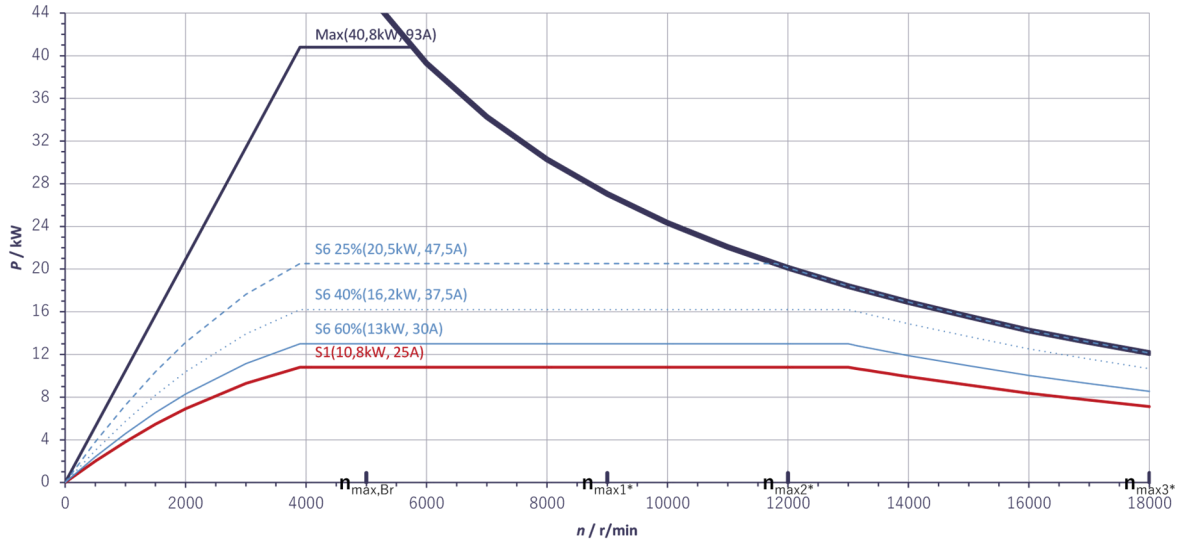


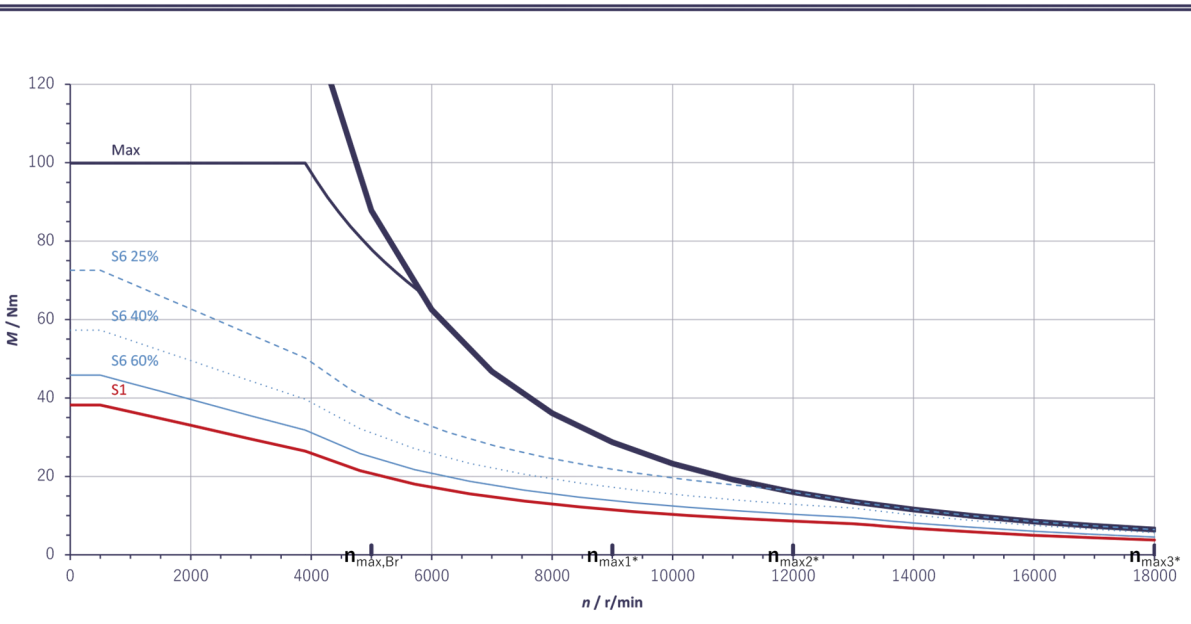


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8103-1□M0, 1PH8103-1□M1, 1PH8103-3□M0, 1PH8103-3□M1 in Star-connection

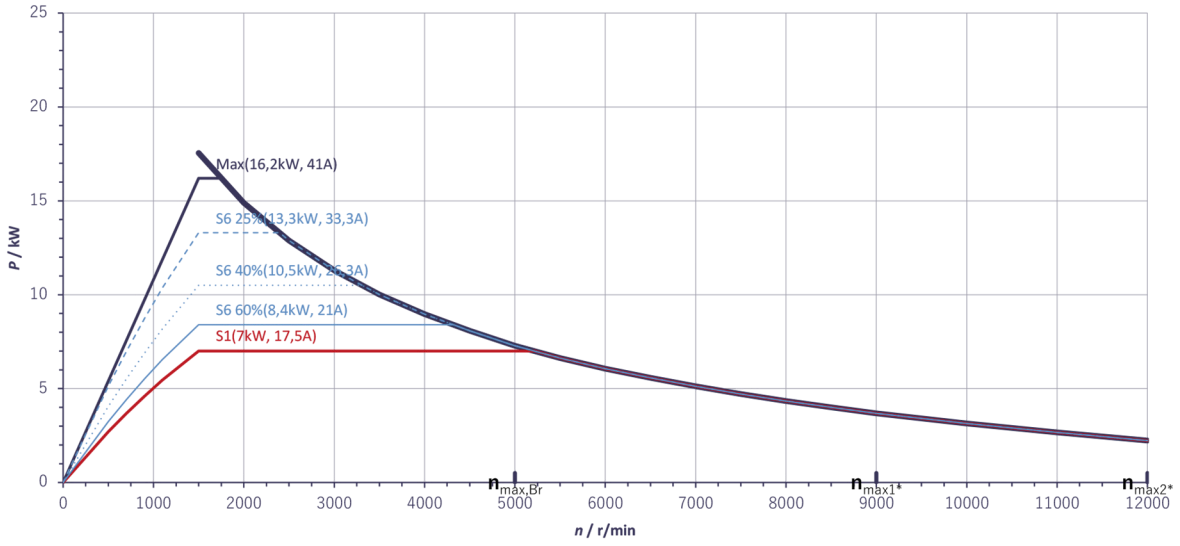
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3900	10,8	26,0	25,0	9000	12000	18000	5000	13000	100,0	93	38	31,0

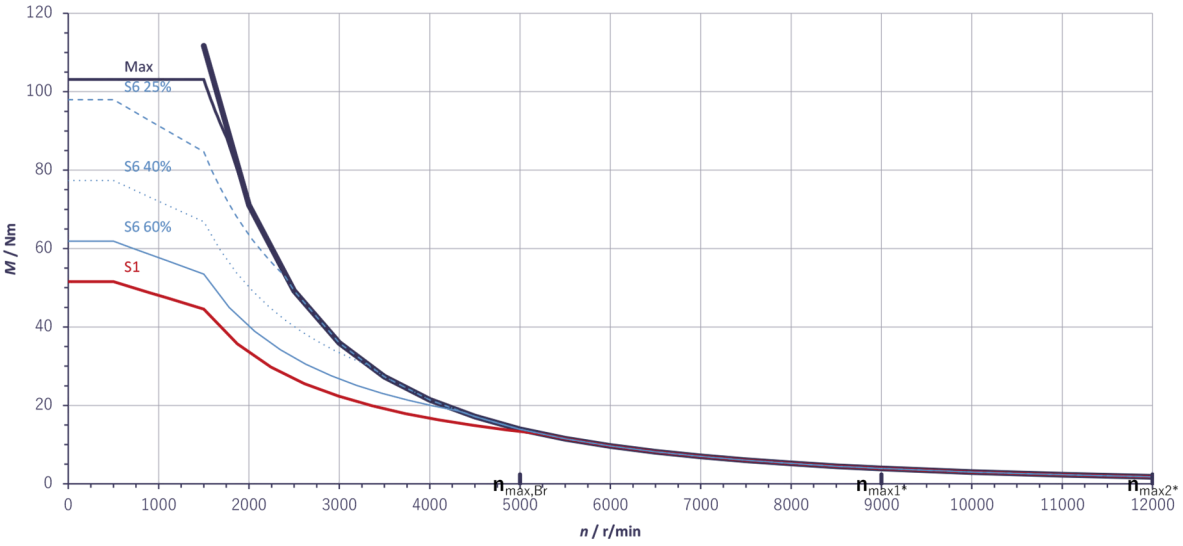




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8105-1□F0, 1PH8105-1□F1, 1PH8105-3□F0, 1PH8105-3□F1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	7,0	45,0	17,5	9000	12000	--	5000	5250	103,0	41	52	20,0

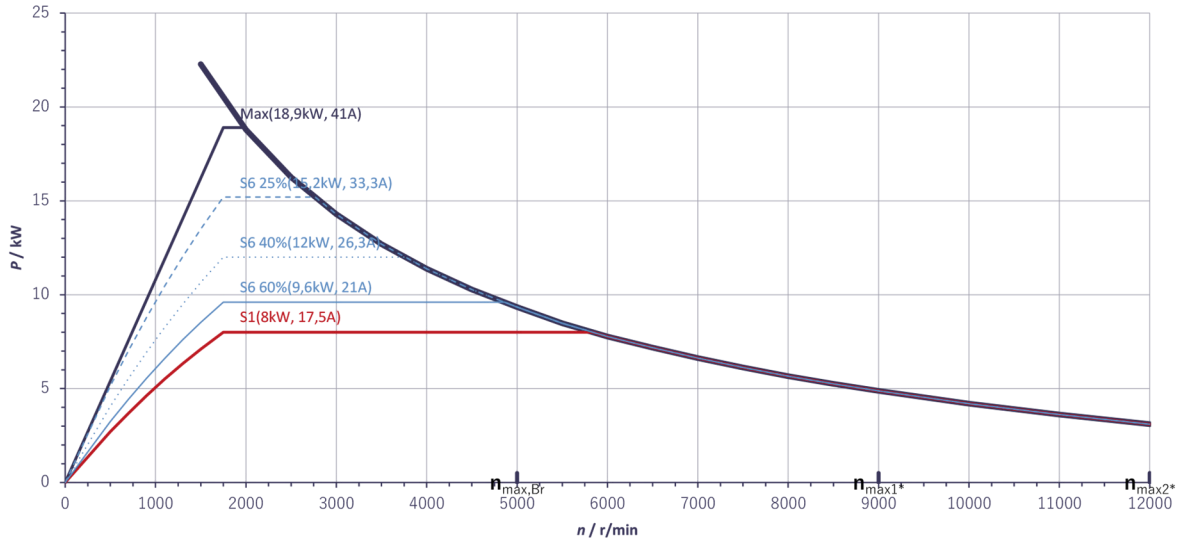


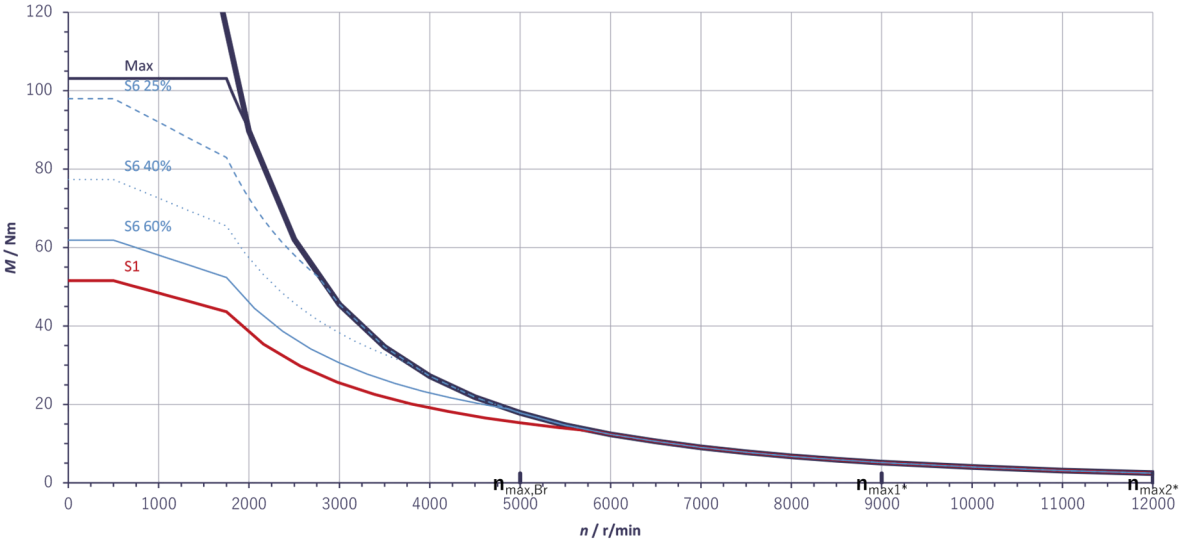


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8105-1□F0, 1PH8105-1□F1, 1PH8105-3□F0, 1PH8105-3□F1 in Star-connection

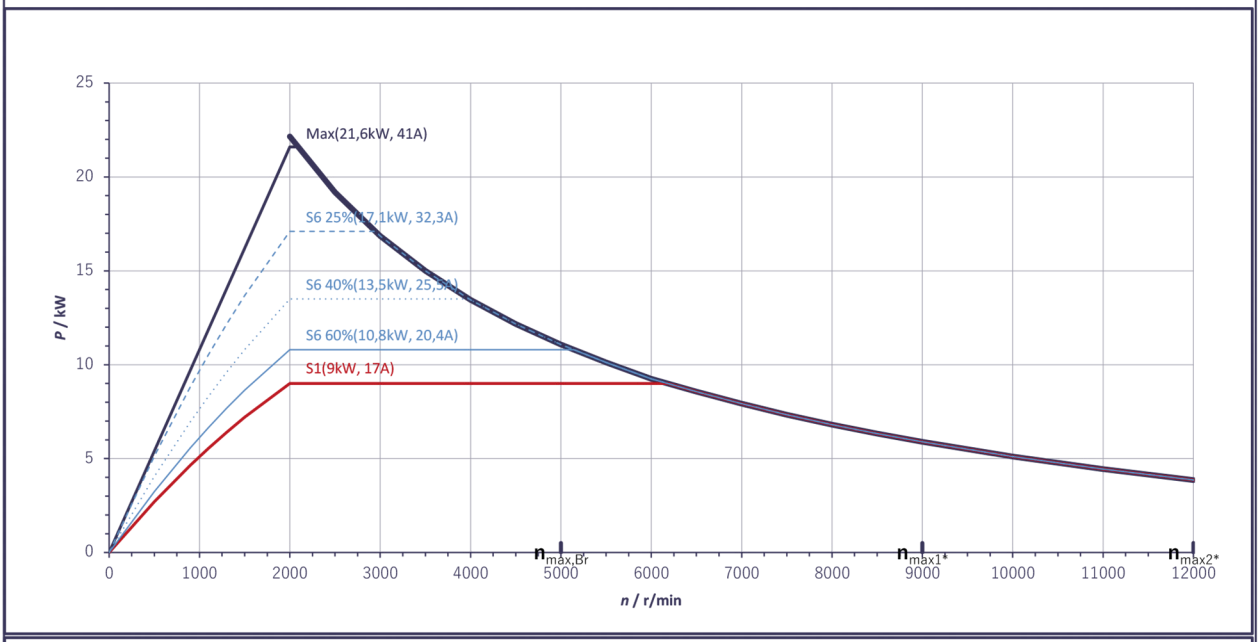
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	8,0	44,0	17,5	9000	12000	--	5000	5900	103,0	41	52	20,0
1500	7,0	45	17,5					6700				

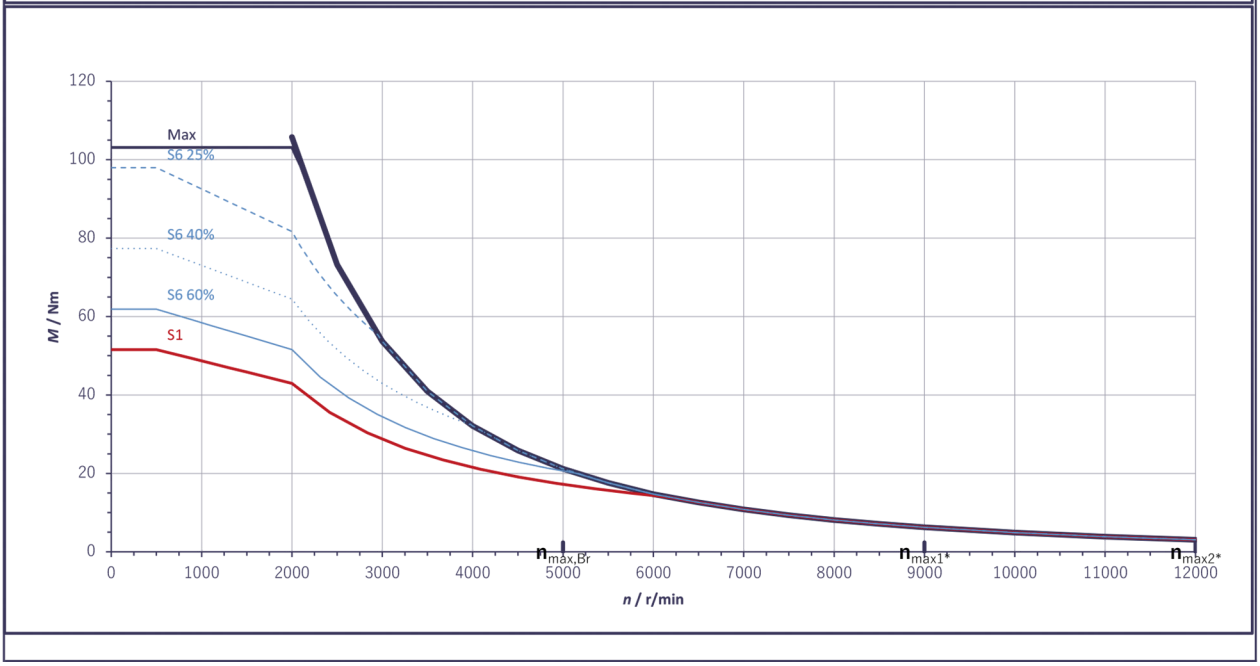




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8105-1□F0, 1PH8105-1□F1, 1PH8105-3□F0, 1PH8105-3□F1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	9,0	43,0	17,0	9000	12000	--	5000	6250	103,0	41	52	20,0

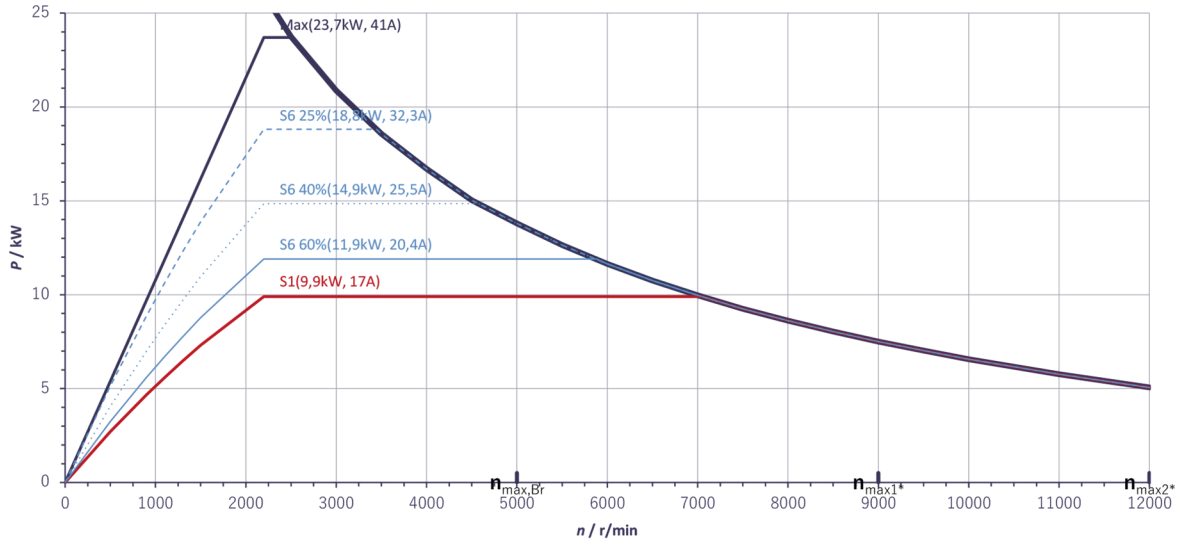


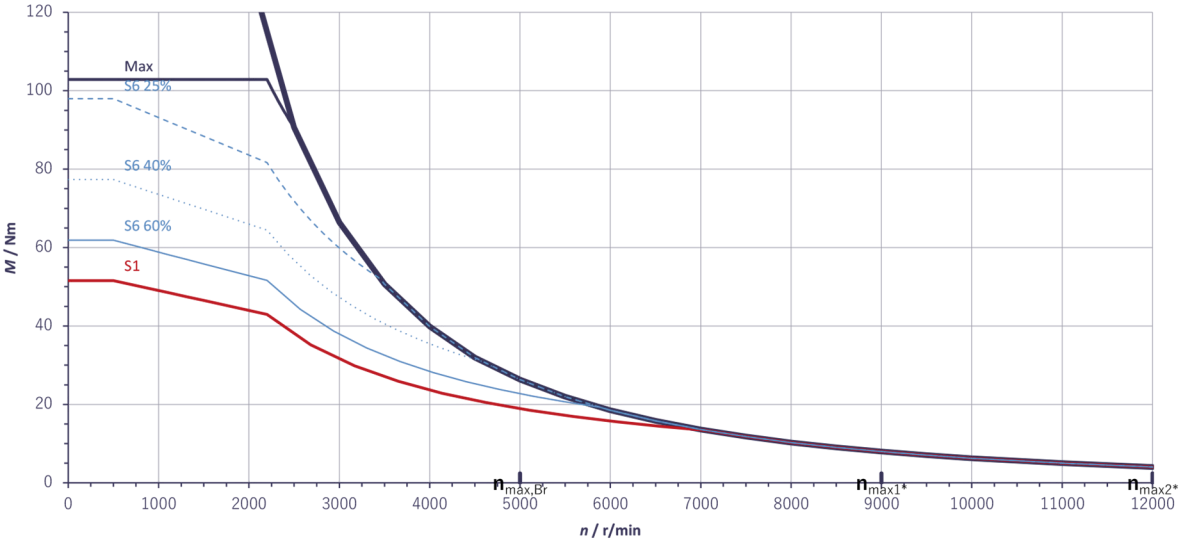


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8105-1□F0, 1PH8105-1□F1, 1PH8105-3□F0, 1PH8105-3□F1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	9,9	43,0	17,0	9000	12000	--	5000	7000	103,0	41	52	20,0

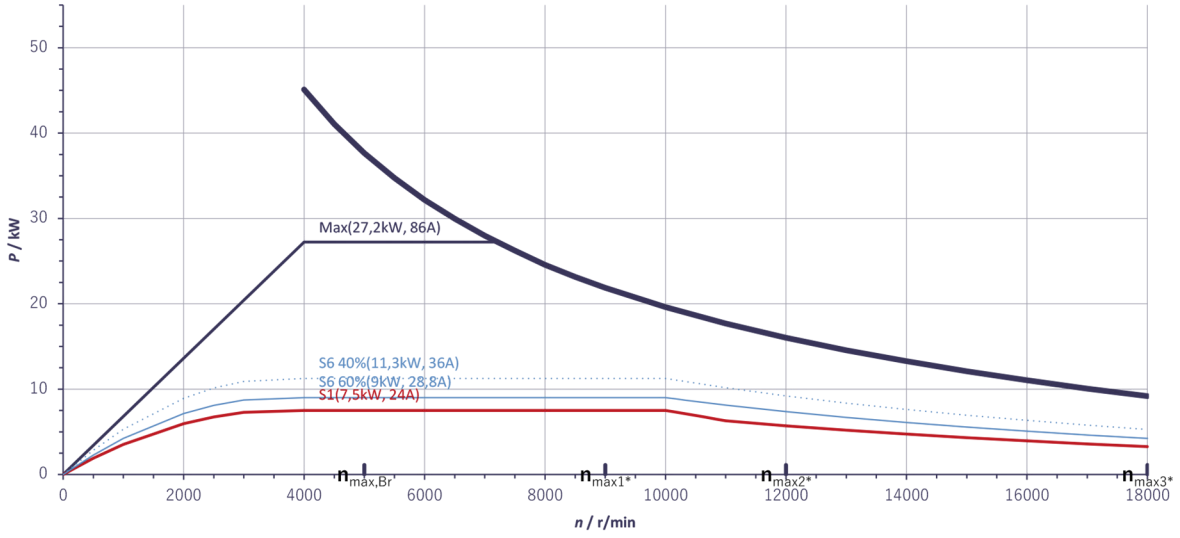


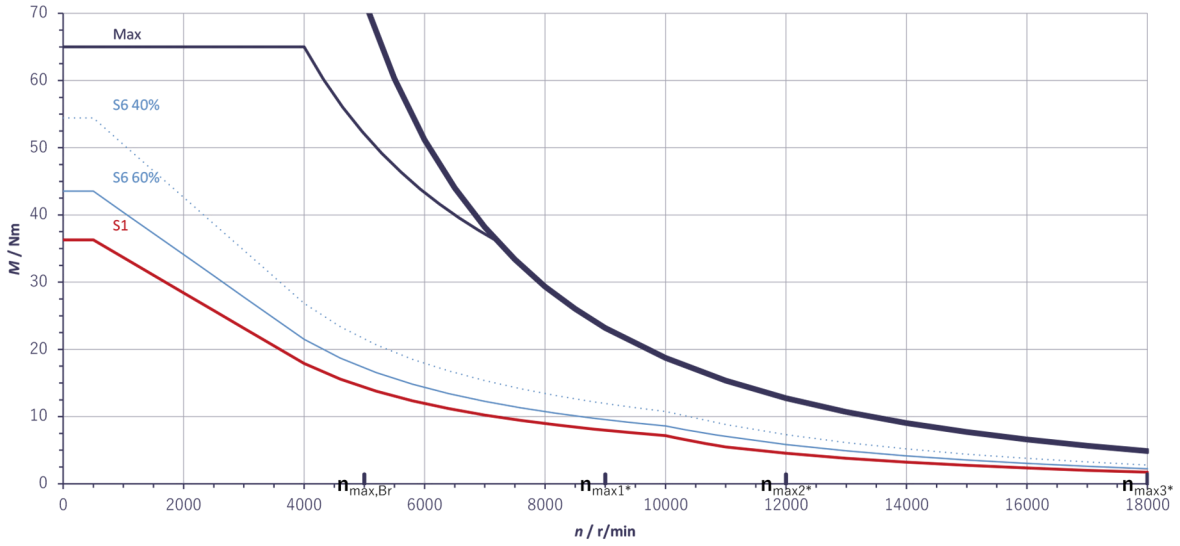


SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)

Induction motor 1PH8105-1□S0, 1PH8105-1□S1, 1PH8105-1□S7, 1PH8105-3□S0, 1PH8105-3□S1, 1PH8105-3□S7 in Delta-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
4000	7,5	18,0	24,0	9000	12000	18000	5000	10000	65,0	86	36	34,5

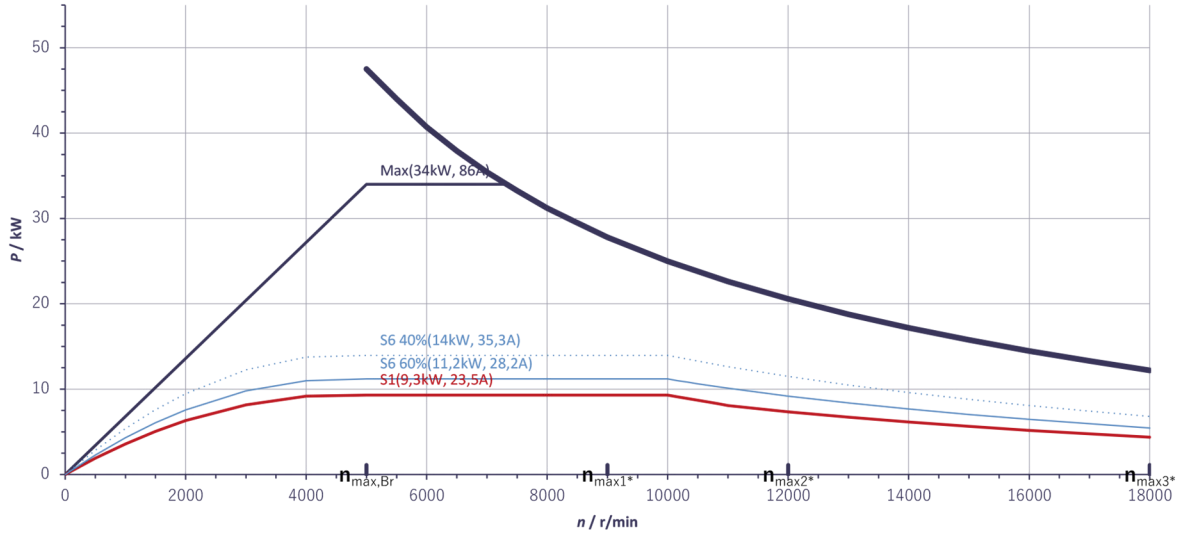


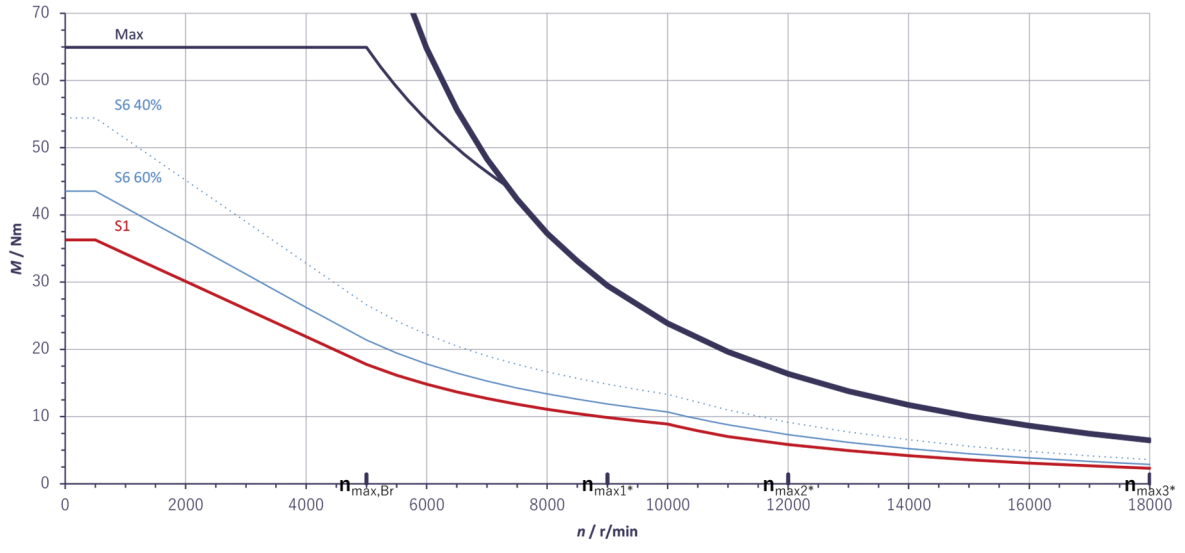


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8105-1□S0, 1PH8105-1□S1, 1PH8105-1□S7, 1PH8105-3□S0, 1PH8105-3□S1, 1PH8105-3□S7 in Delta-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
5000	9,3	18,0	24,0	9000	12000	18000	5000	10000	65,0	86	36	34,5
4000	7,5	18	24,0					11500				

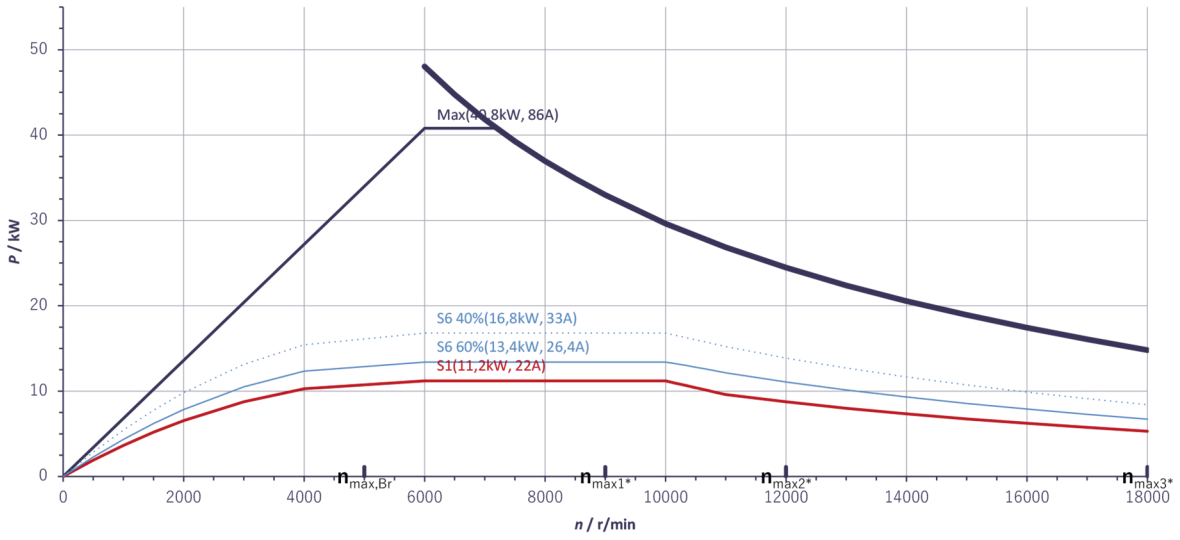


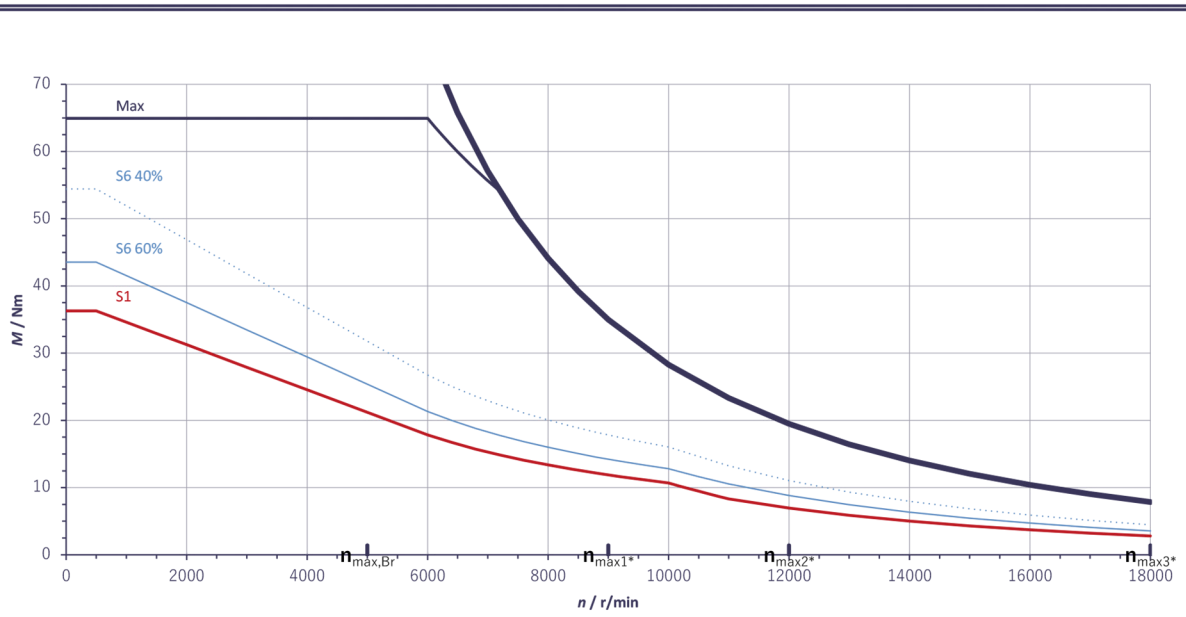


SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)

Induction motor 1PH8105-1□S0, 1PH8105-1□S1, 1PH8105-1□S7, 1PH8105-3□S0, 1PH8105-3□S1, 1PH8105-3□S7 in Delta-connection

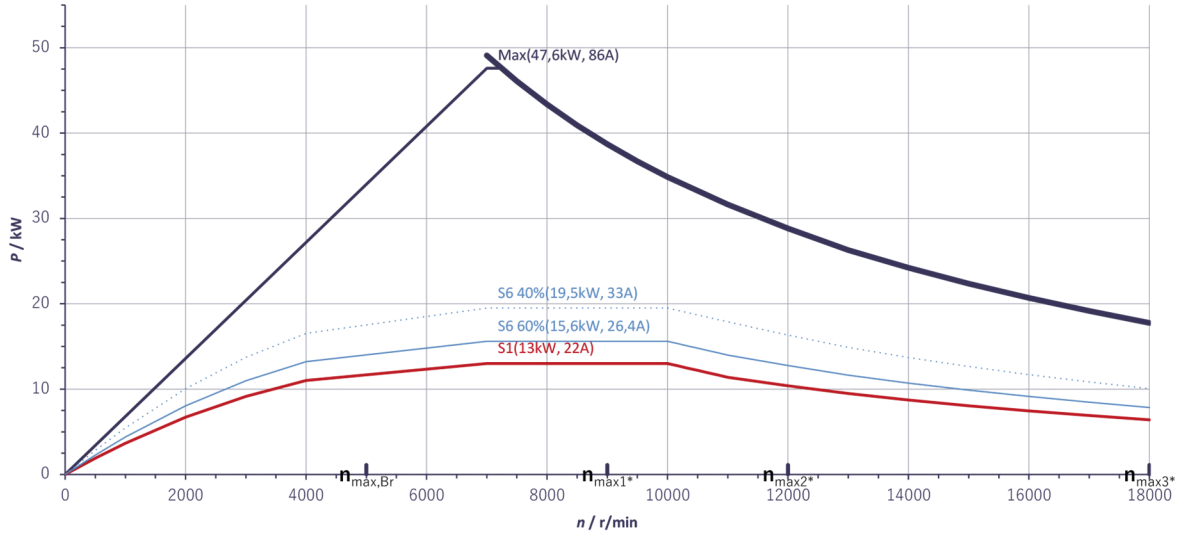
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
6000	11,2	18,0	22,0	9000	12000	18000	5000	10000	65,0	86	36	34,5

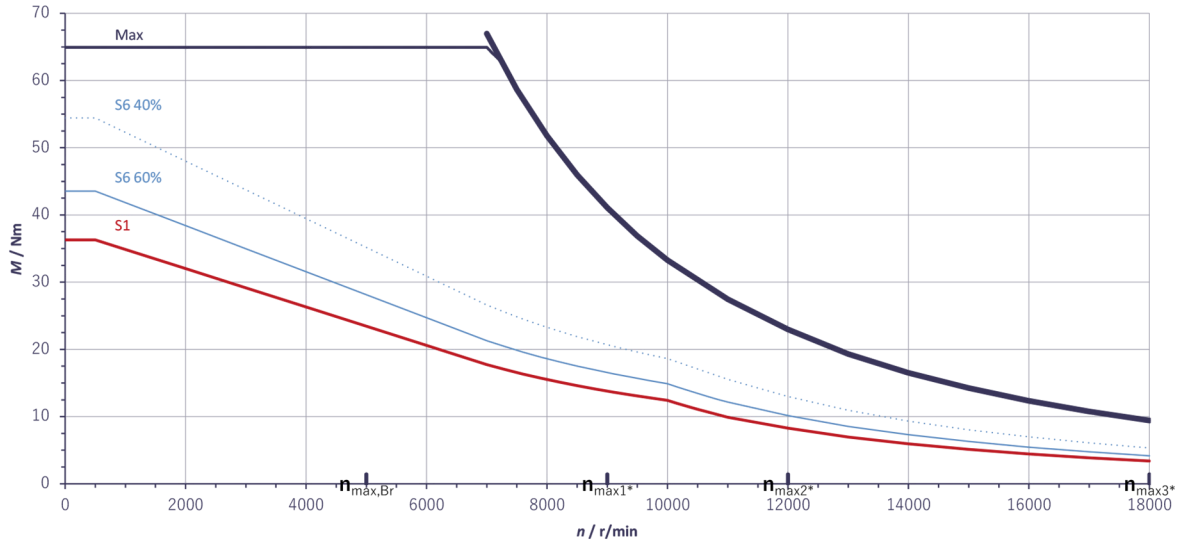




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8105-1□S0, 1PH8105-1□S1, 1PH8105-1□S7, 1PH8105-3□S0, 1PH8105-3□S1, 1PH8105-3□S7 in Delta-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
7000	13,0	18,0	22,0	9000	12000	18000	5000	10000	65,0	86	36	34,5

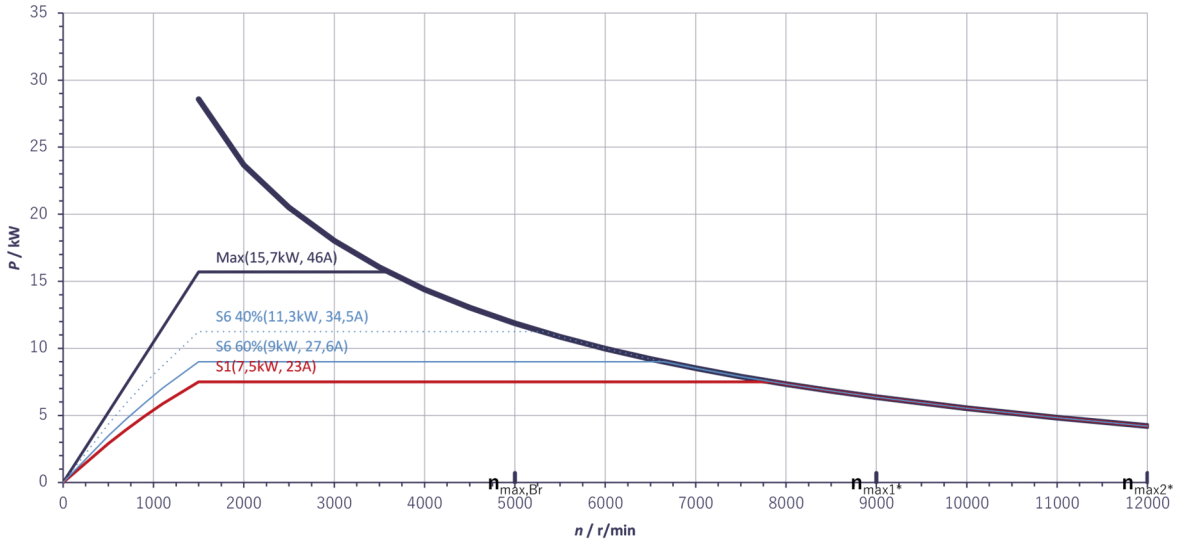


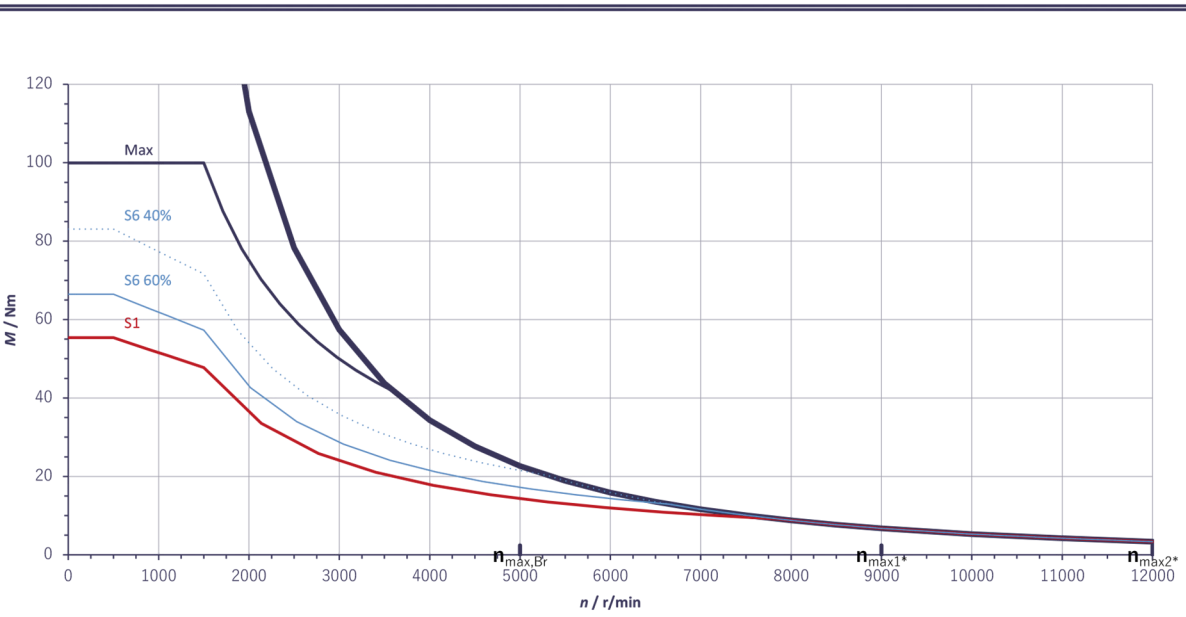


SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)

Induction motor 1PH8105-1□S0, 1PH8105-1□S1, 1PH8105-1□S7, 1PH8105-3□S0, 1PH8105-3□S1, 1PH8105-3□S7 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	7,5	48,0	23,0	9000	12000	--	5000	7900	100,0	46	55	25,5

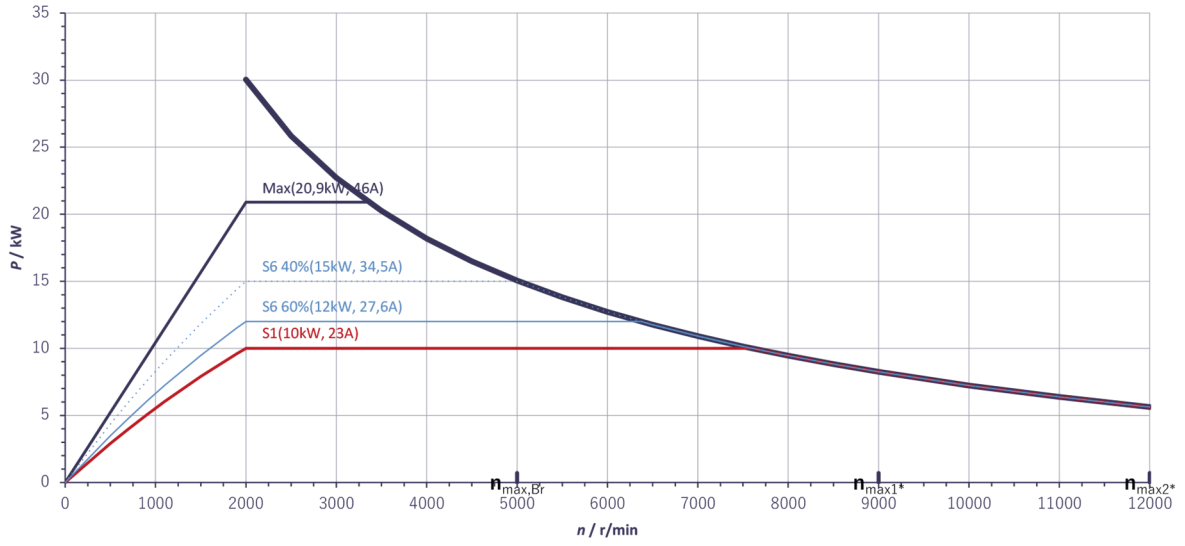


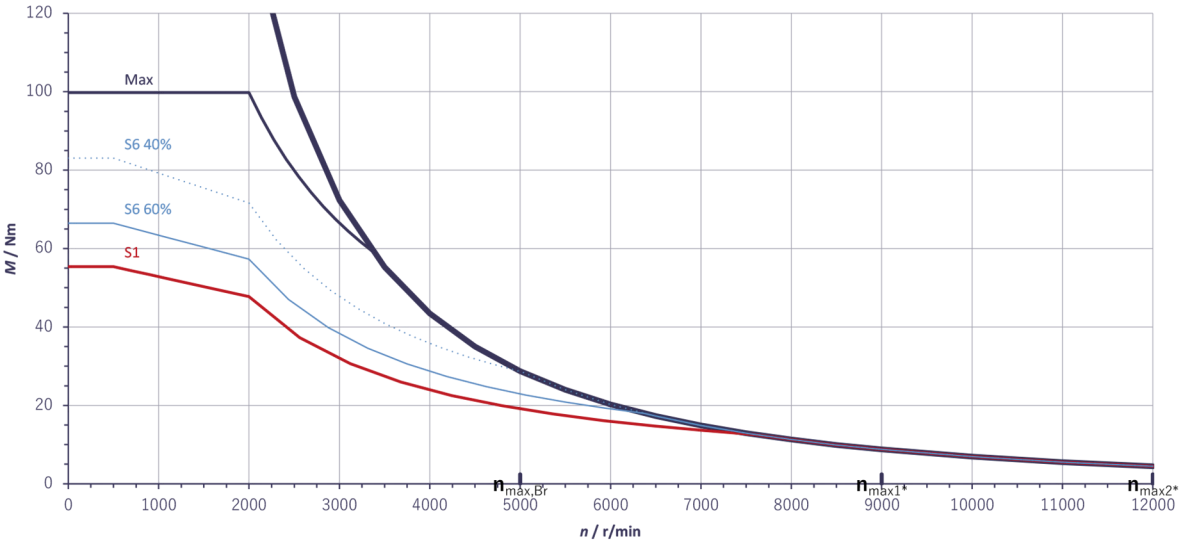


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8105-1□S0, 1PH8105-1□S1, 1PH8105-1□S7, 1PH8105-3□S0, 1PH8105-3□S1, 1PH8105-3□S7 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	10,0	48,0	23,0	9000	12000	--	5000	7650	100,0	46	55	25,5
1500	7,5	48	23,0					9800				

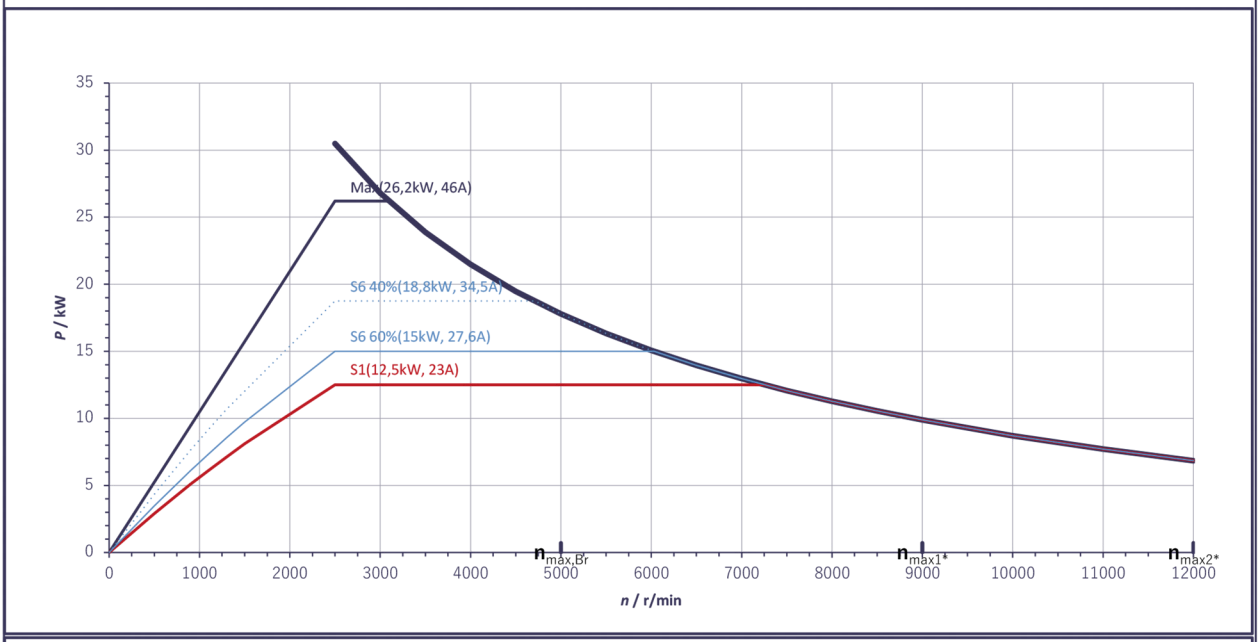


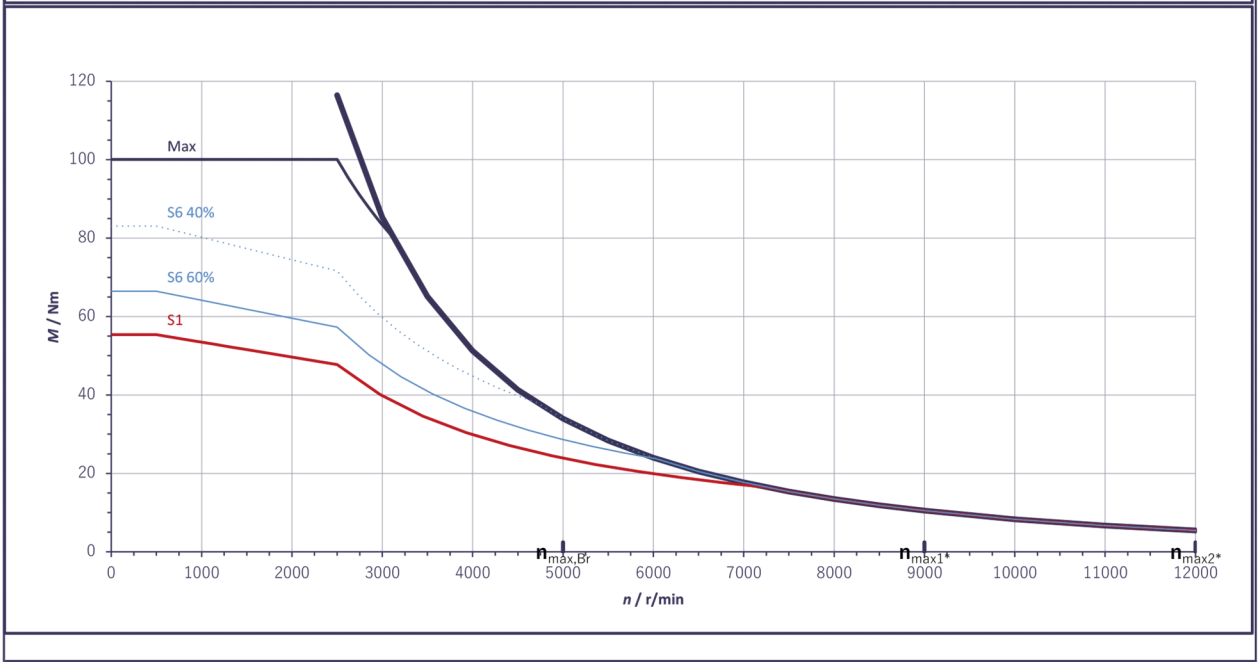


SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)

Induction motor 1PH8105-1□S0, 1PH8105-1□S1, 1PH8105-1□S7, 1PH8105-3□S0, 1PH8105-3□S1, 1PH8105-3□S7 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2500	12,5	48,0	23,0	9000	12000	--	5000	7300	100,0	46	55	25,5

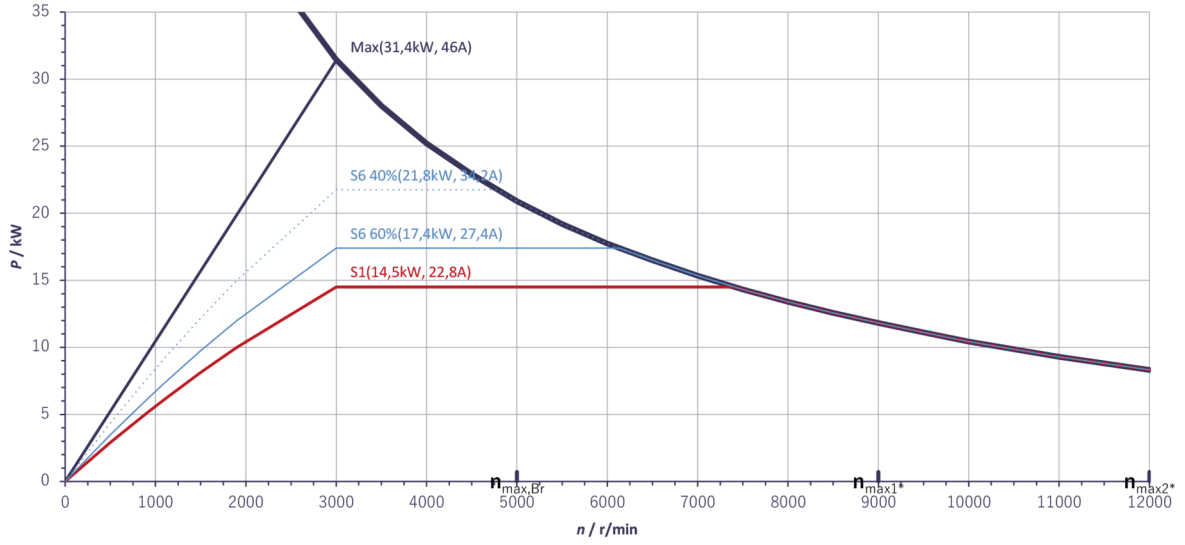


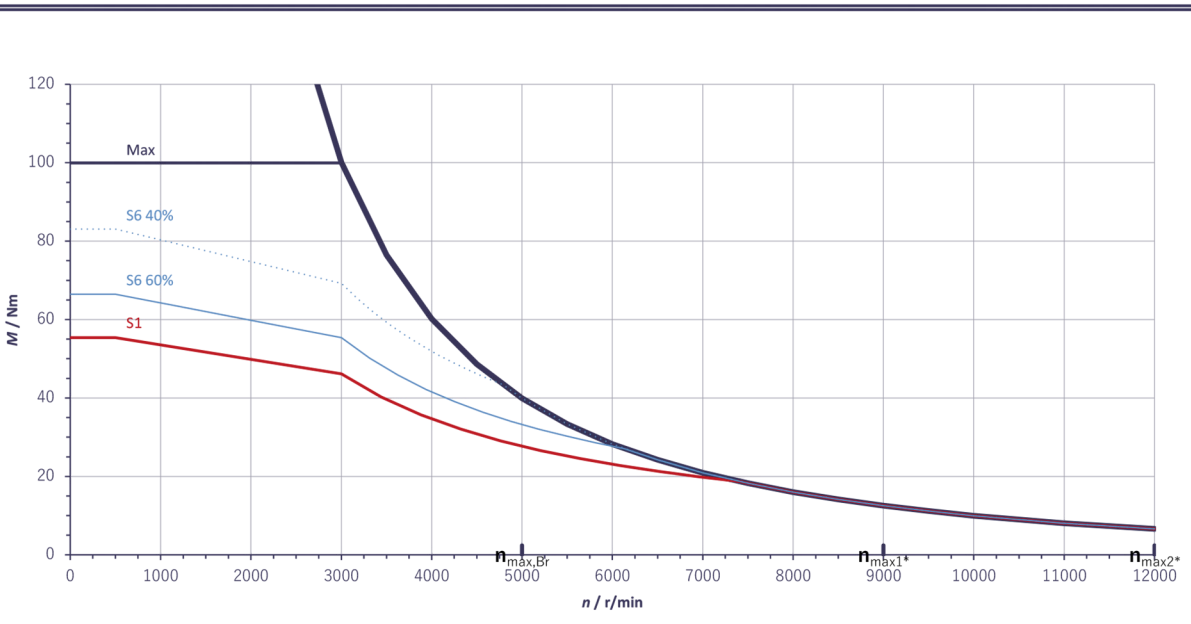


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8105-1□S0, 1PH8105-1□S1, 1PH8105-1□S7, 1PH8105-3□S0, 1PH8105-3□S1, 1PH8105-3□S7 in Star-connection

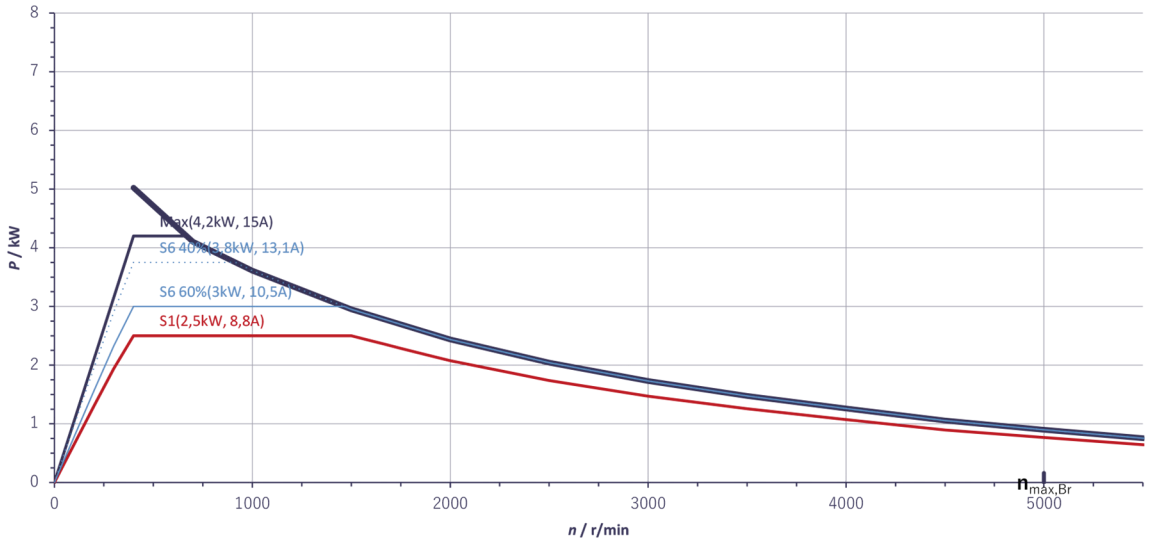
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3000	14,5	46,0	22,8	9000	12000	--	5000	7400	100,0	46	55	25,5

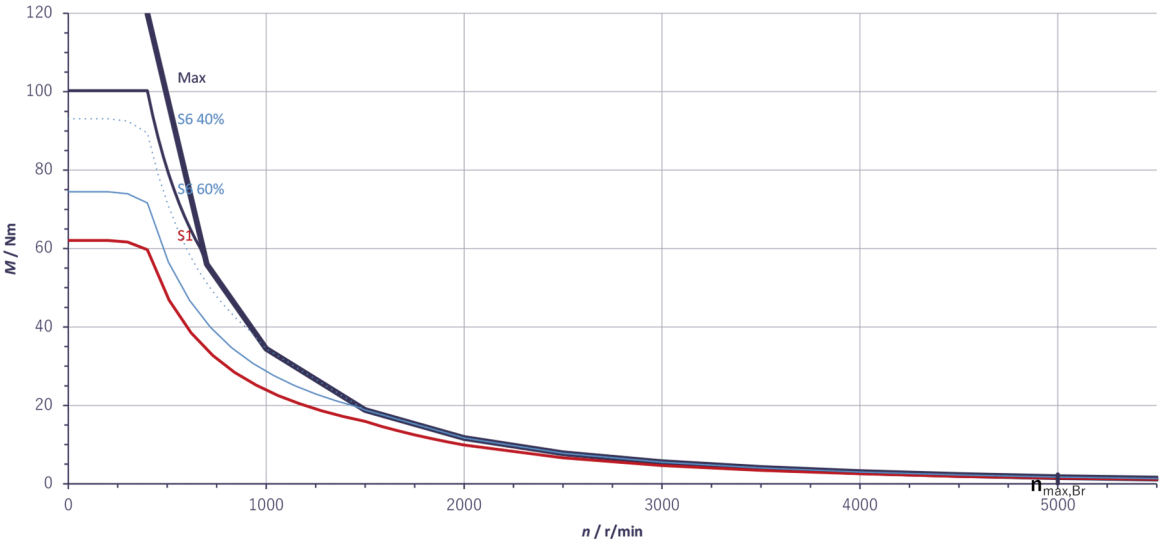




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8107-1□B0, 1PH8107-1□B1, 1PH8107-3□B0, 1PH8107-3□B1 in Star-connection

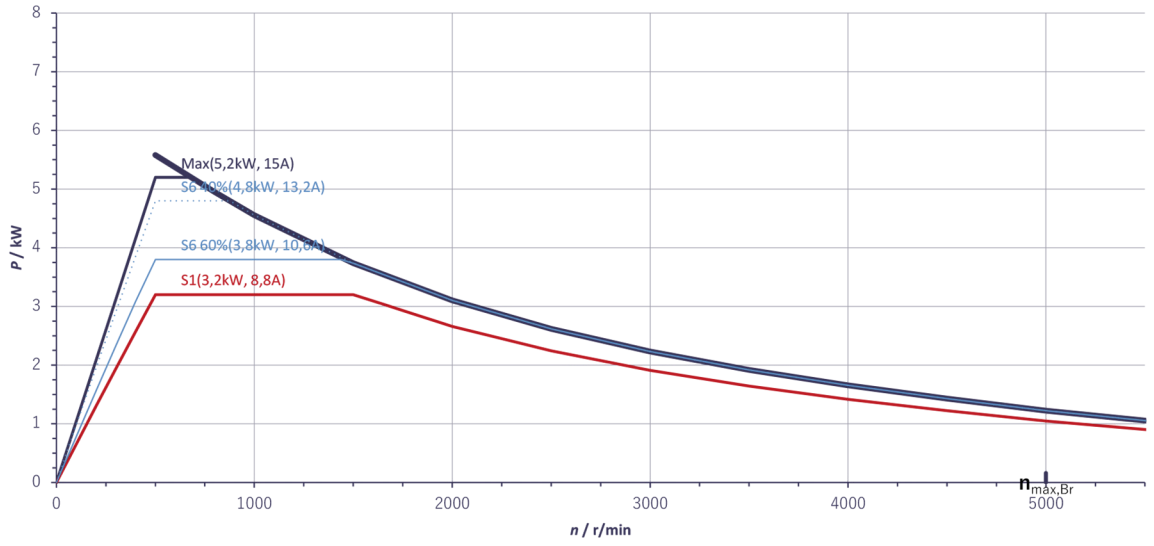
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
400	2,5	60,0	8,8	--	--	--	5000	1500	100,0	15	62	8,8

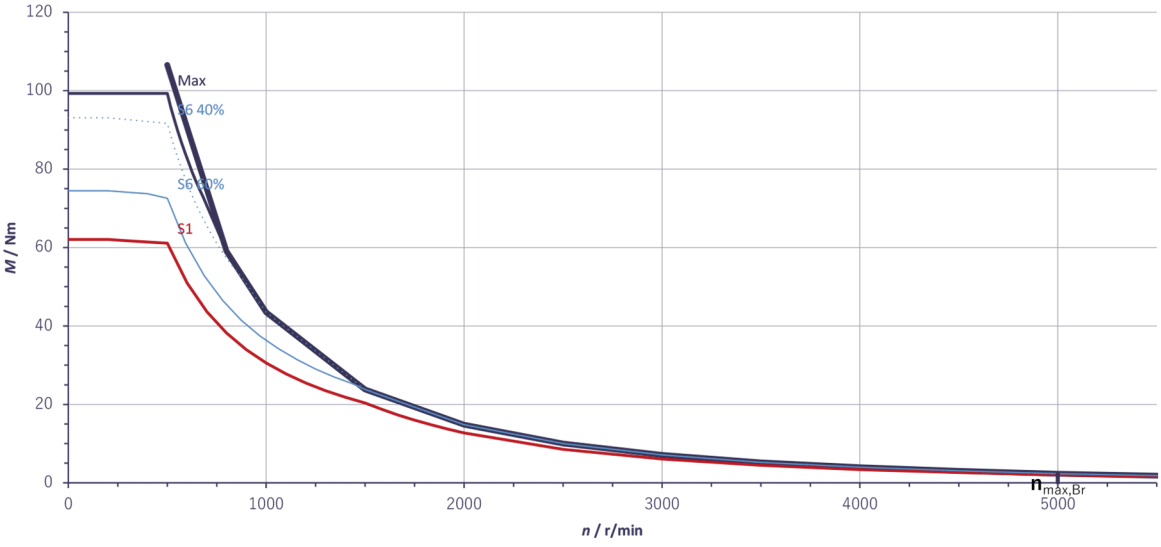




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8107-1□B0, 1PH8107-1□B1, 1PH8107-3□B0, 1PH8107-3□B1 in Star-connection

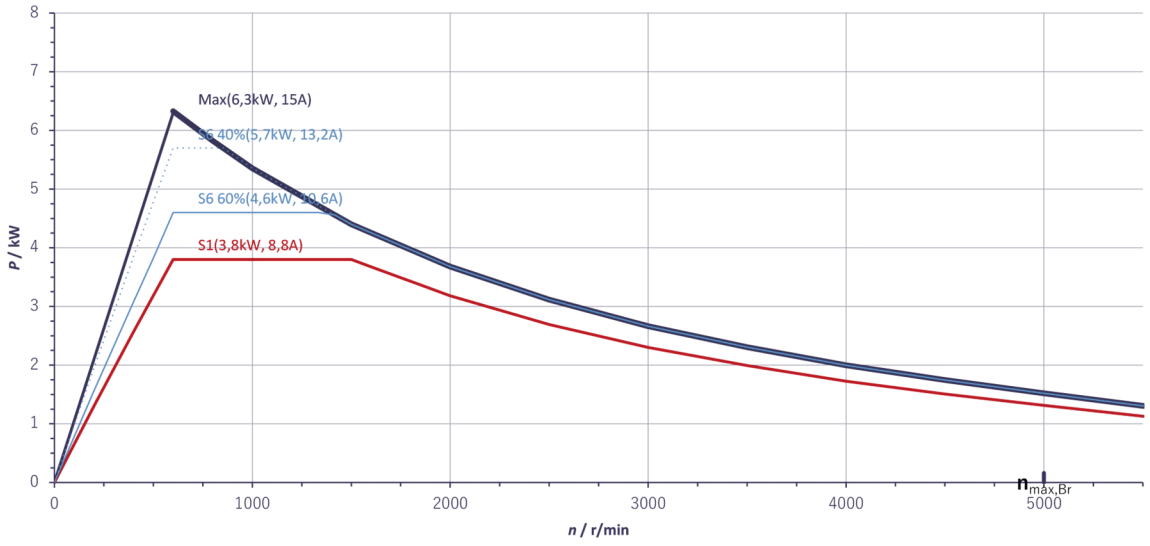
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
500	3,2	61,0	8,8	--	--	--	5000	1500	100,0	15	62	8,8
400	2,5	60	8,8					2000				

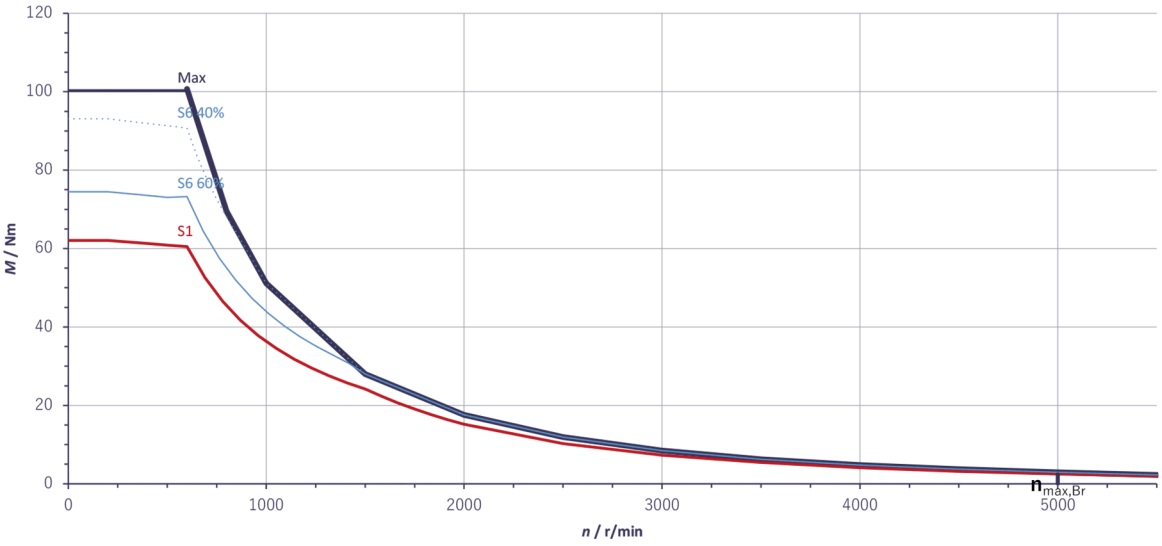




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8107-1□B0, 1PH8107-1□B1, 1PH8107-3□B0, 1PH8107-3□B1 in Star-connection

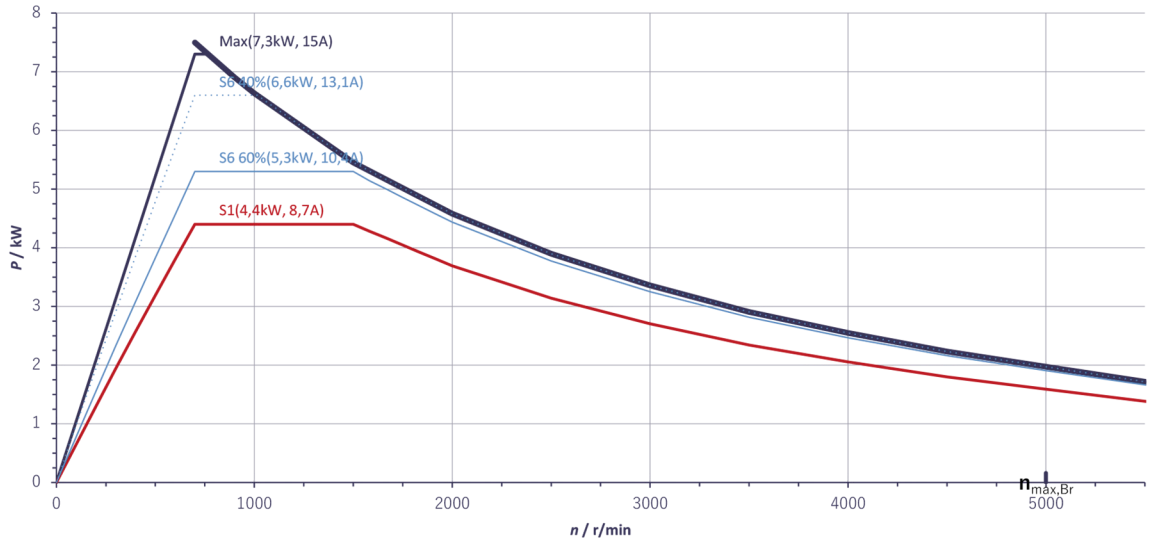
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
600	3,8	60,0	8,8	--	--	--	5000	1500	100,0	15	62	8,8

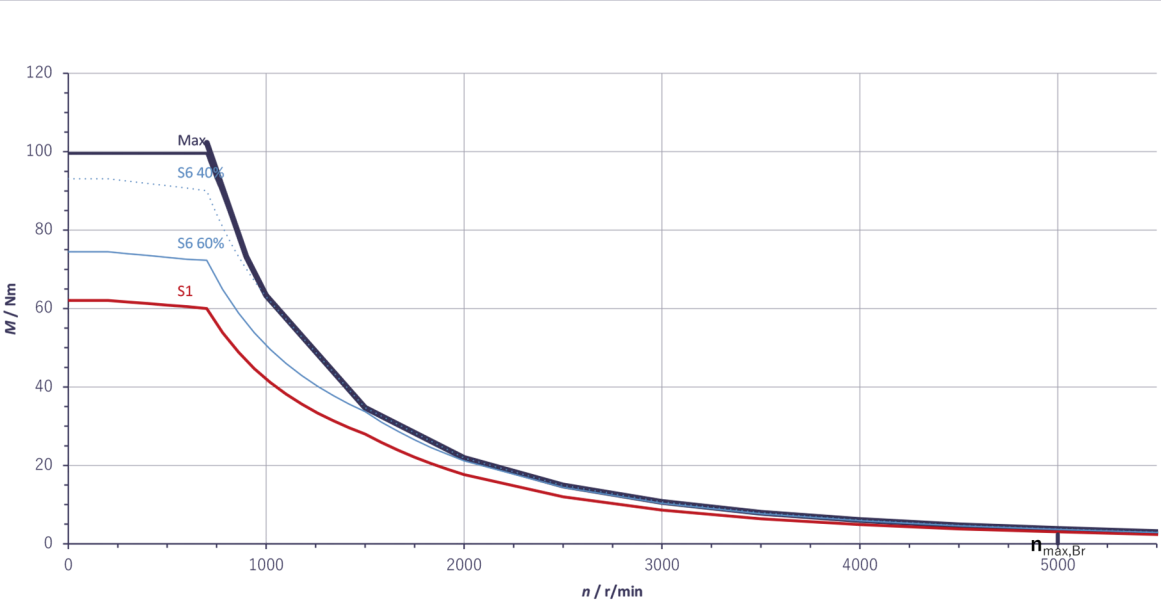




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8107-1□B0, 1PH8107-1□B1, 1PH8107-3□B0, 1PH8107-3□B1 in Star-connection

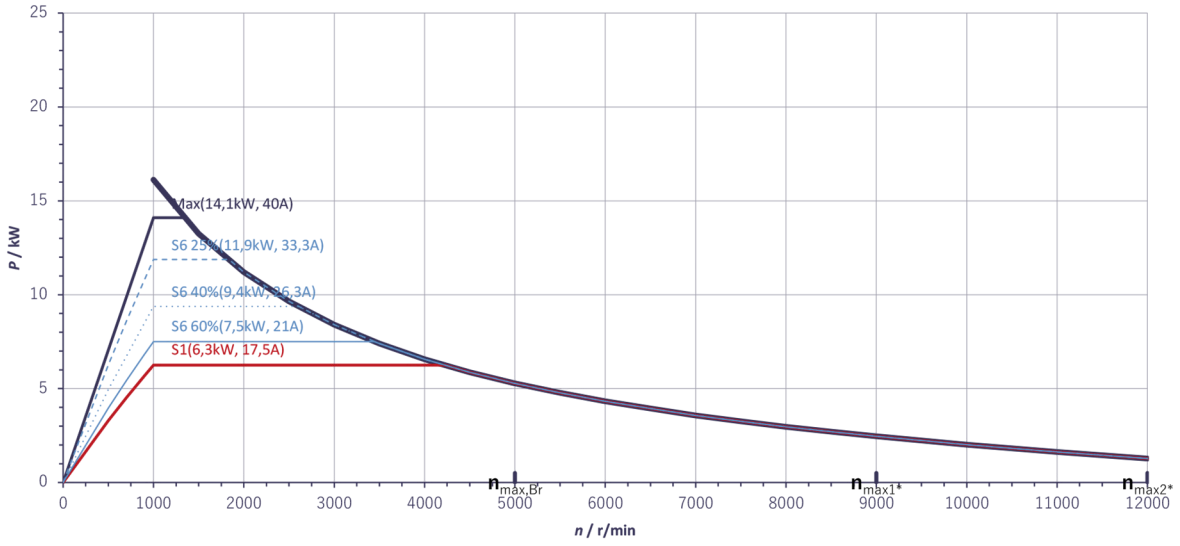
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
700	4,4	60,0	8,7	--	--	--	5000	1500	100,0	15	62	8,8

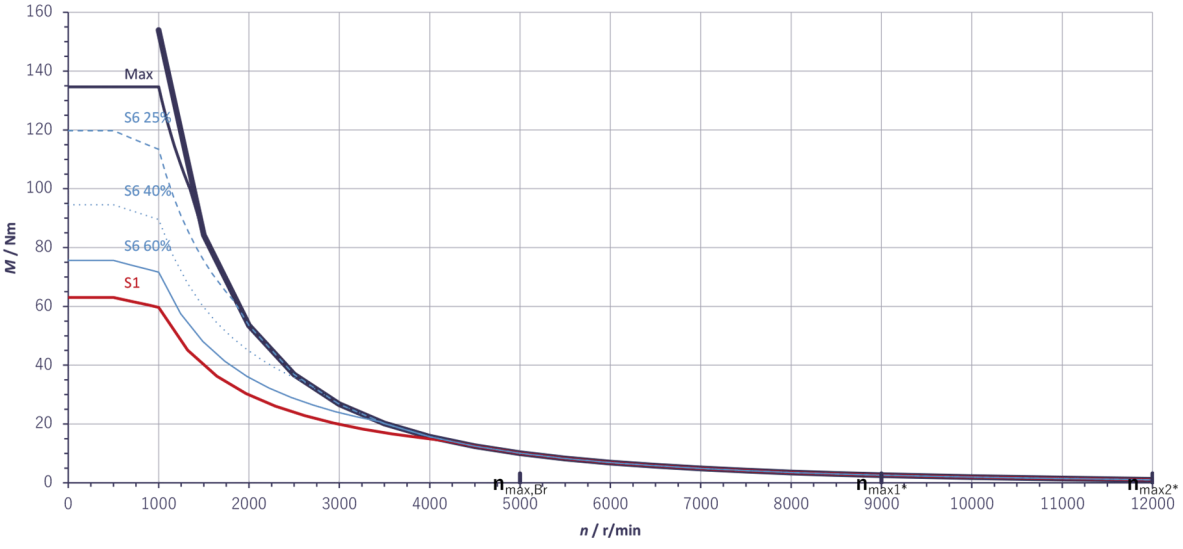




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8107-1□D0, 1PH8107-1□D1, 1PH8107-3□D0, 1PH8107-3□D1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1000	6,3	60,0	17,5	9000	12000	--	5000	4300	135,0	40	63	25,0

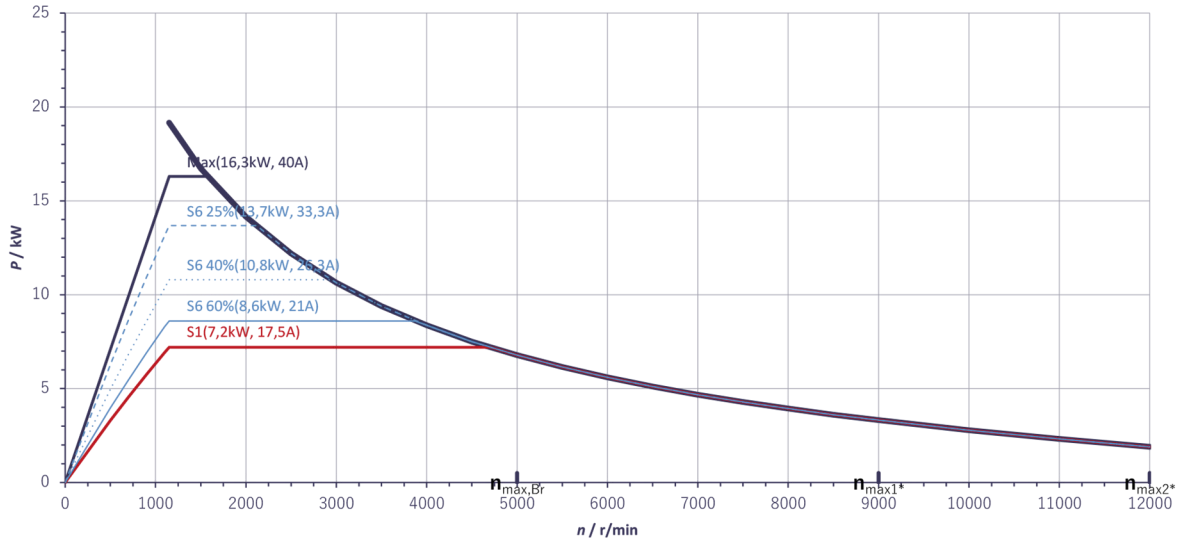


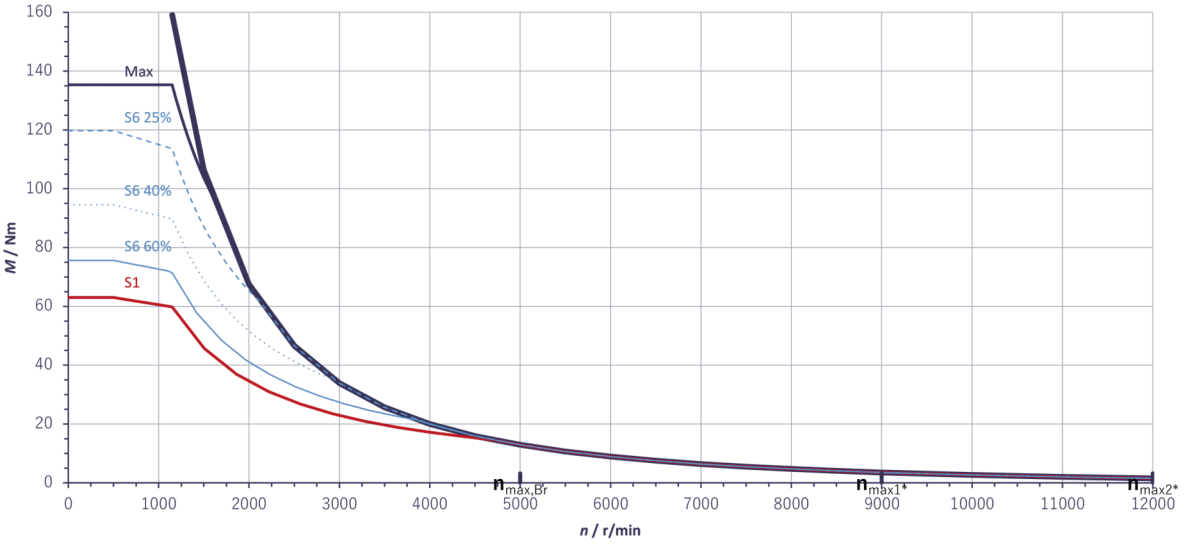


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8107-1□D0, 1PH8107-1□D1, 1PH8107-3□D0, 1PH8107-3□D1 in Star-connection

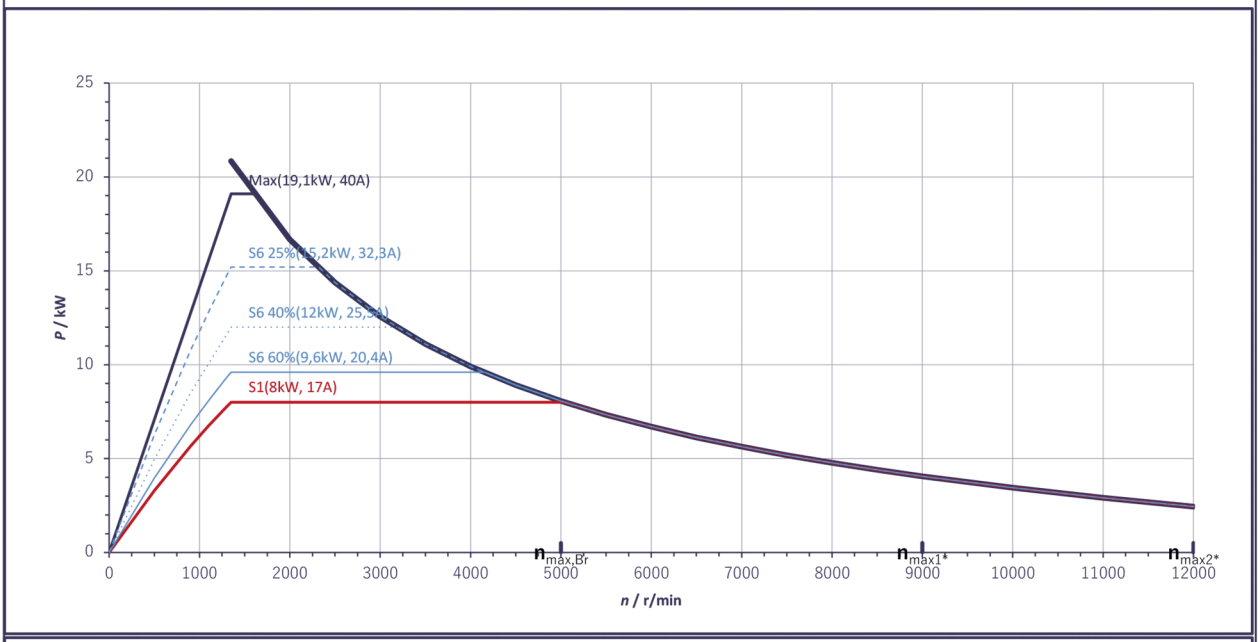
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1150	7,2	60,0	17,5	9000	12000	--	5000	4750	135,0	40	63	25,0
1000	6,3	60	17,5					5450				

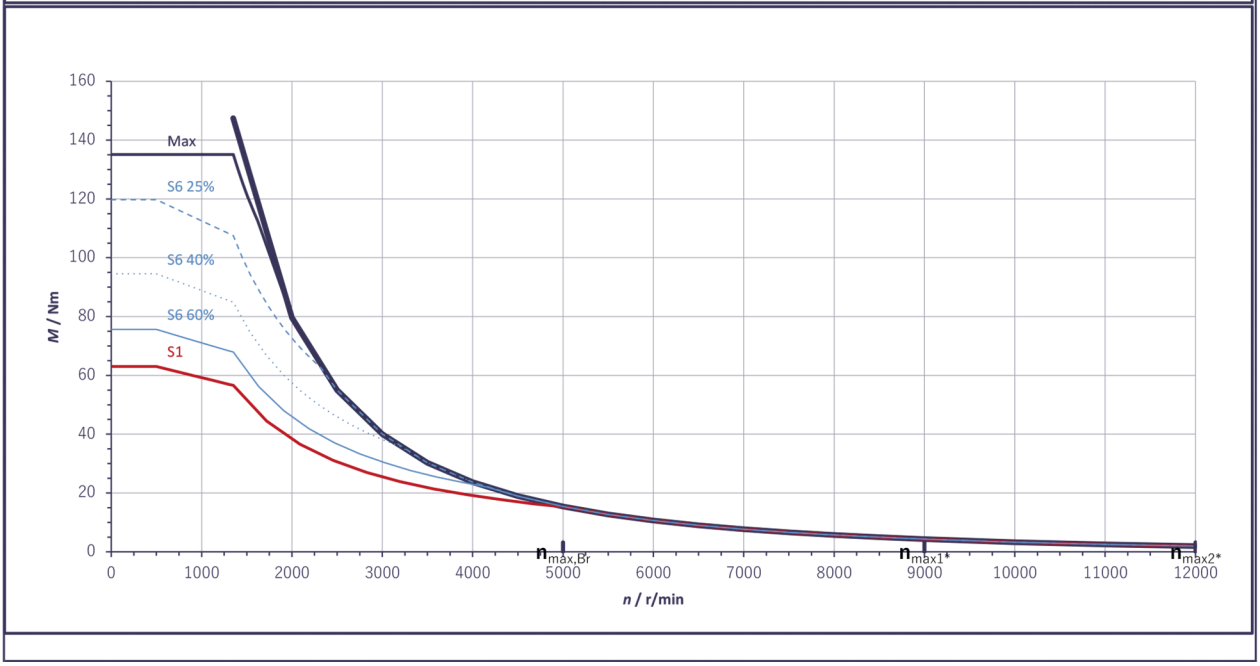




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8107-1□D0, 1PH8107-1□D1, 1PH8107-3□D0, 1PH8107-3□D1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1350	8,0	57,0	17,0	9000	12000	--	5000	5045	135,0	40	63	25,0

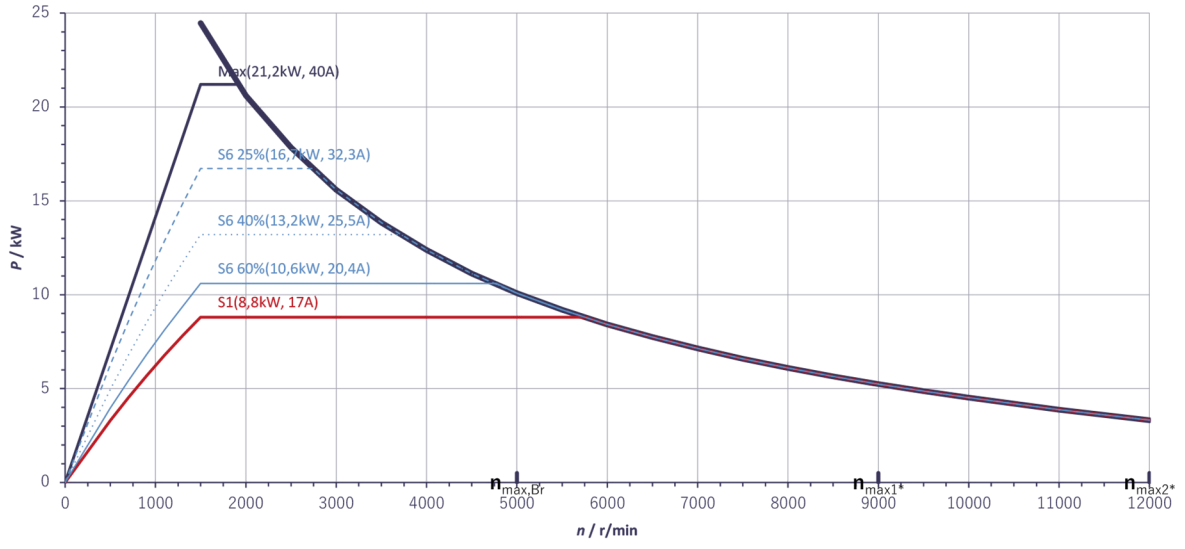


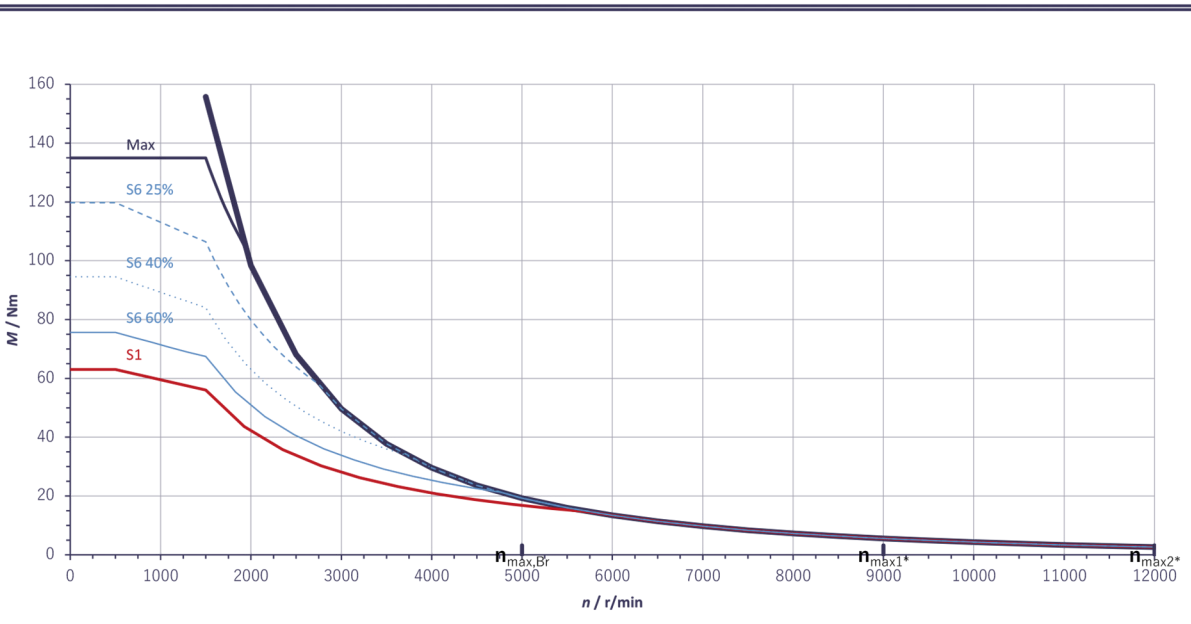


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8107-1□D0, 1PH8107-1□D1, 1PH8107-3□D0, 1PH8107-3□D1 in Star-connection

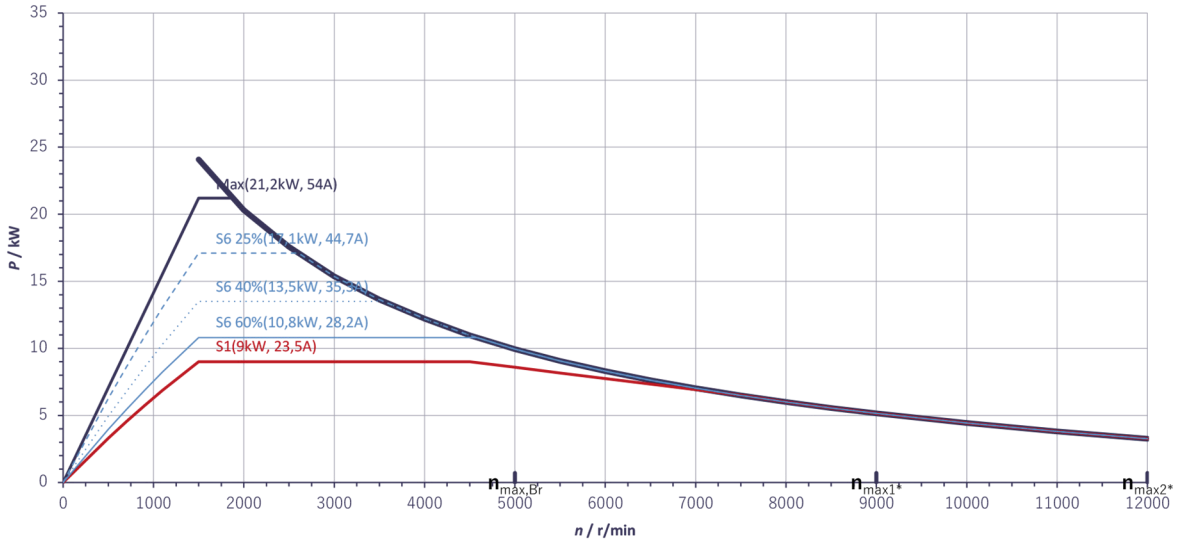
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	8,8	56,0	17,0	9000	12000	--	5000	5750	135,0	40	63	25,0

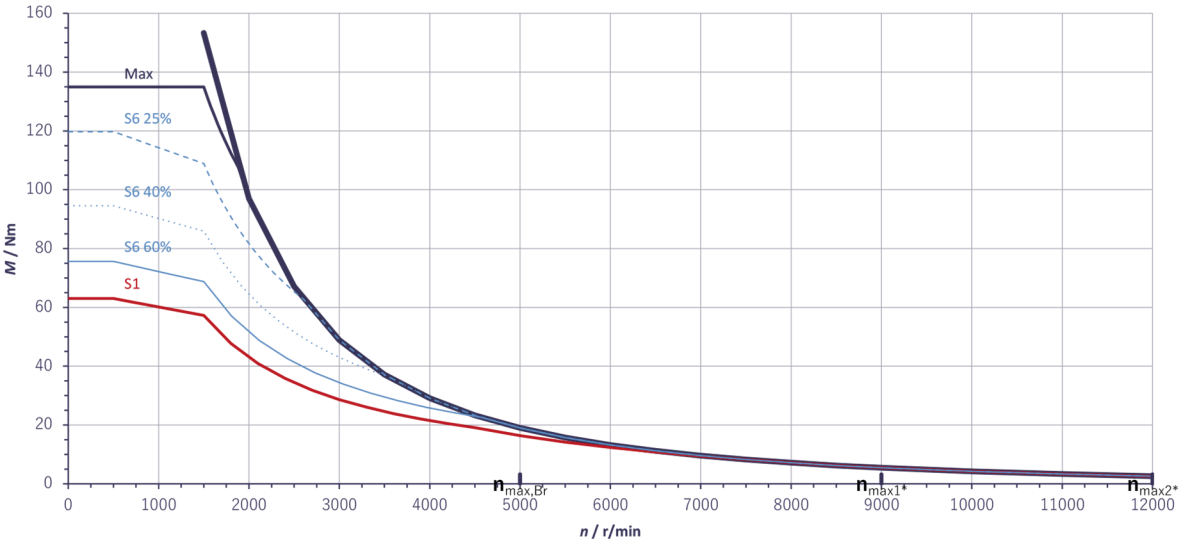




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8107-1□F0, 1PH8107-1□F1, 1PH8107-3□F0, 1PH8107-3□F1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	9,0	57,0	23,5	9000	12000	--	5000	4500	135,0	54	63	25,0

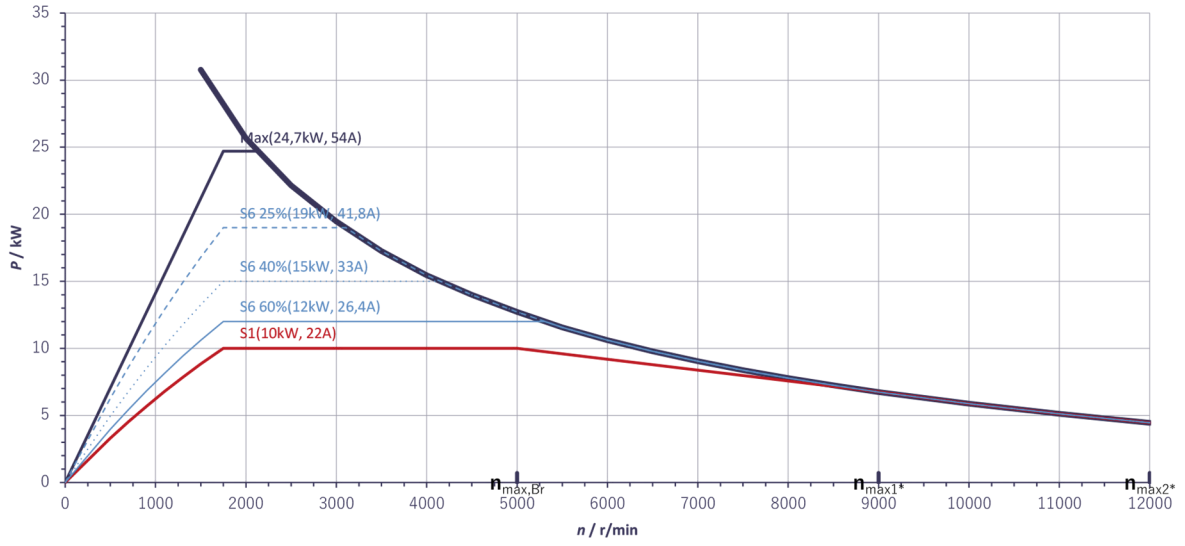


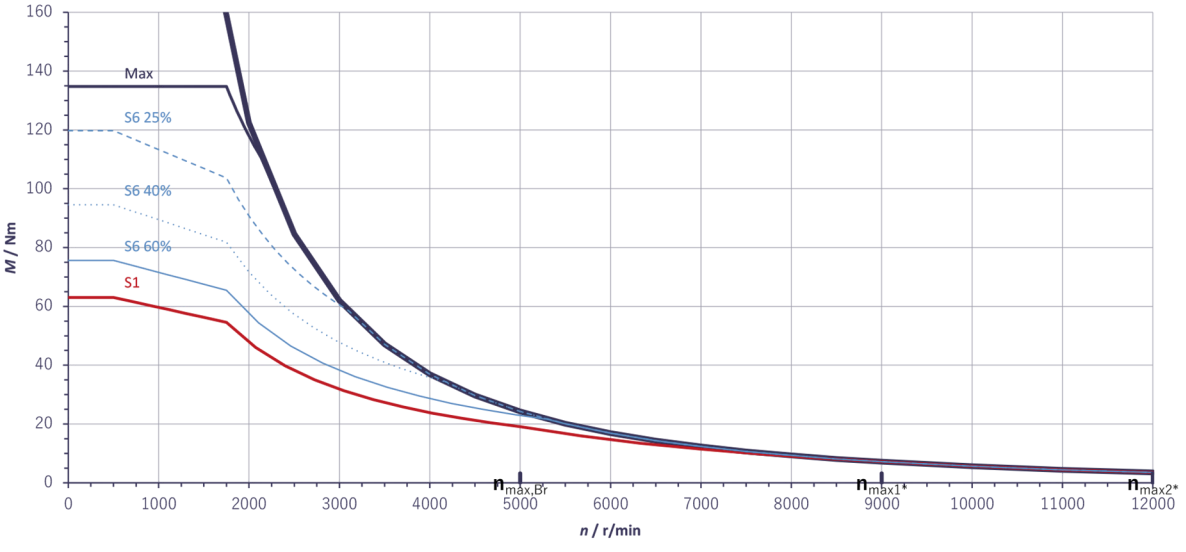


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8107-1□F0, 1PH8107-1□F1, 1PH8107-3□F0, 1PH8107-3□F1 in Star-connection

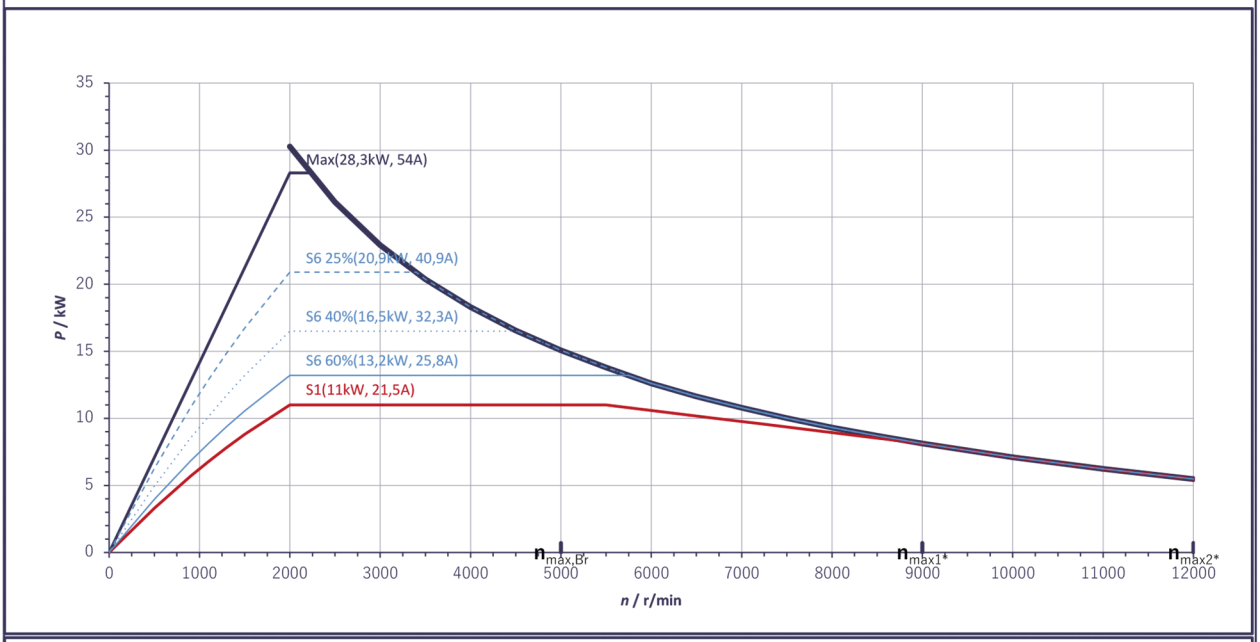
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	10,0	55,0	22,0	9000	12000	--	5000	5000	135,0	54	63	25,0
1500	9,0	57	23,5					6250				

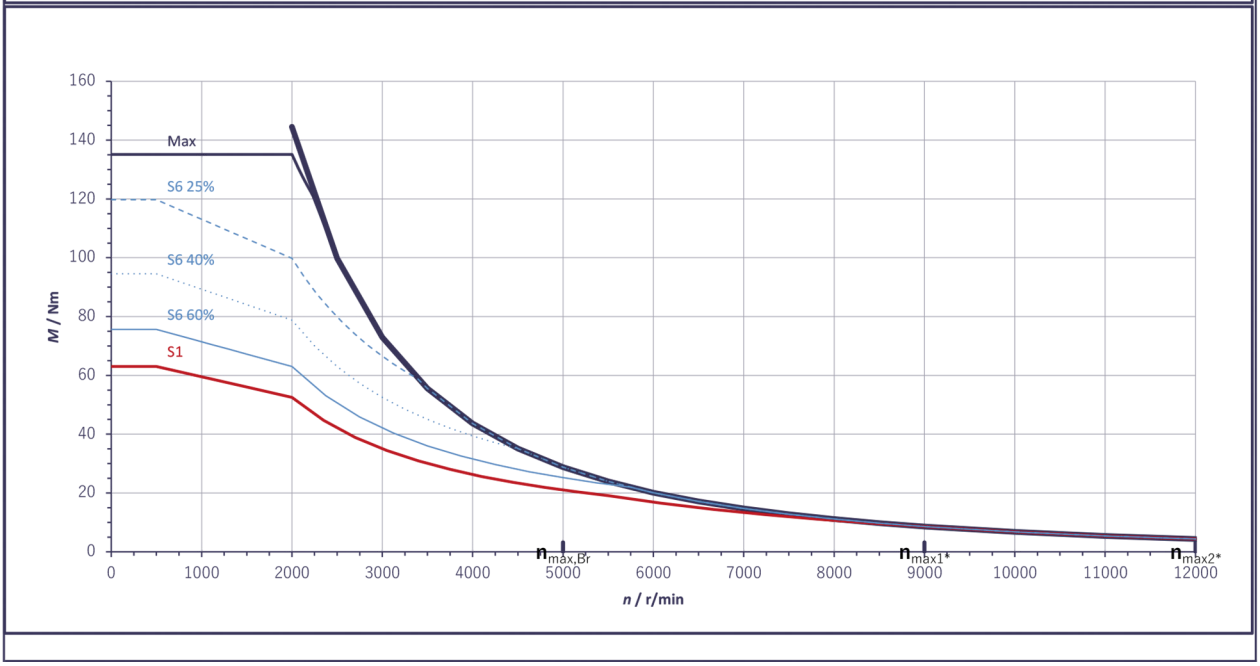




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8107-1□F0, 1PH8107-1□F1, 1PH8107-3□F0, 1PH8107-3□F1 in Star-connection

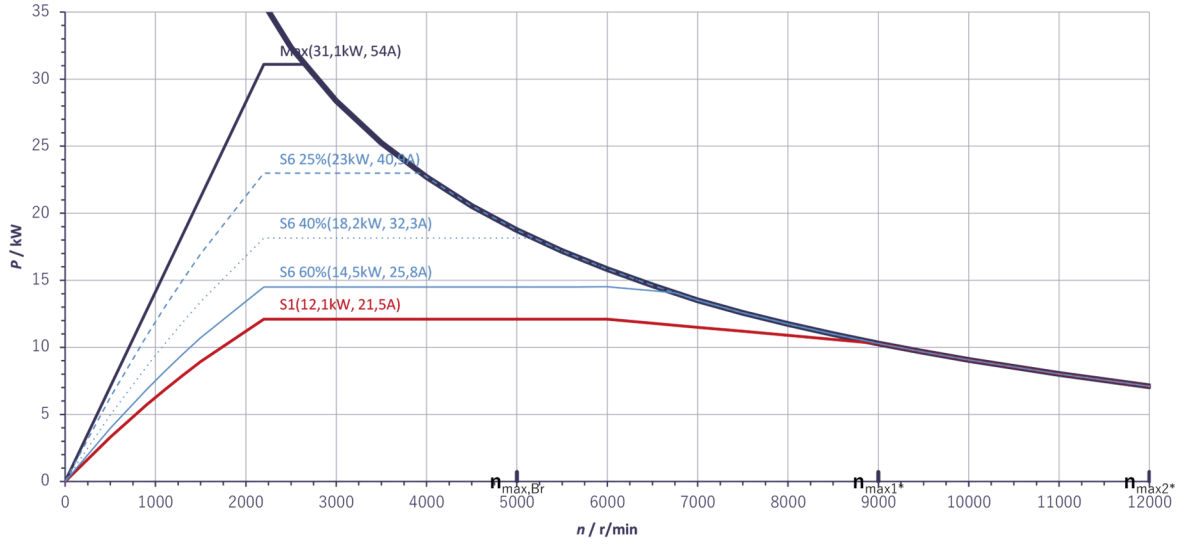
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	11,0	53,0	21,5	9000	12000	--	5000	5500	135,0	54	63	25,0

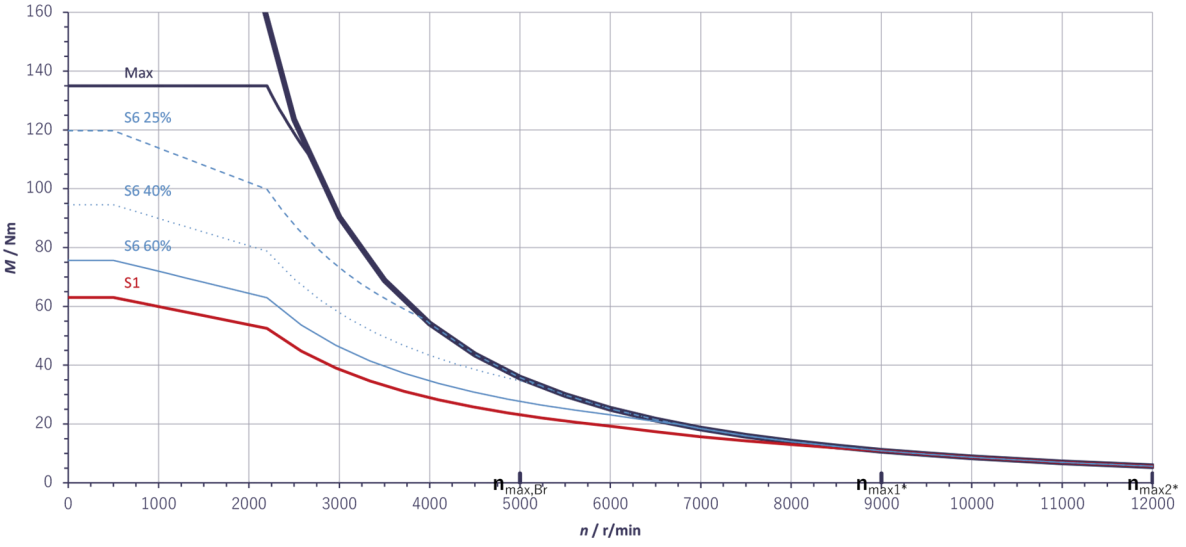




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8107-1□F0, 1PH8107-1□F1, 1PH8107-3□F0, 1PH8107-3□F1 in Star-connection

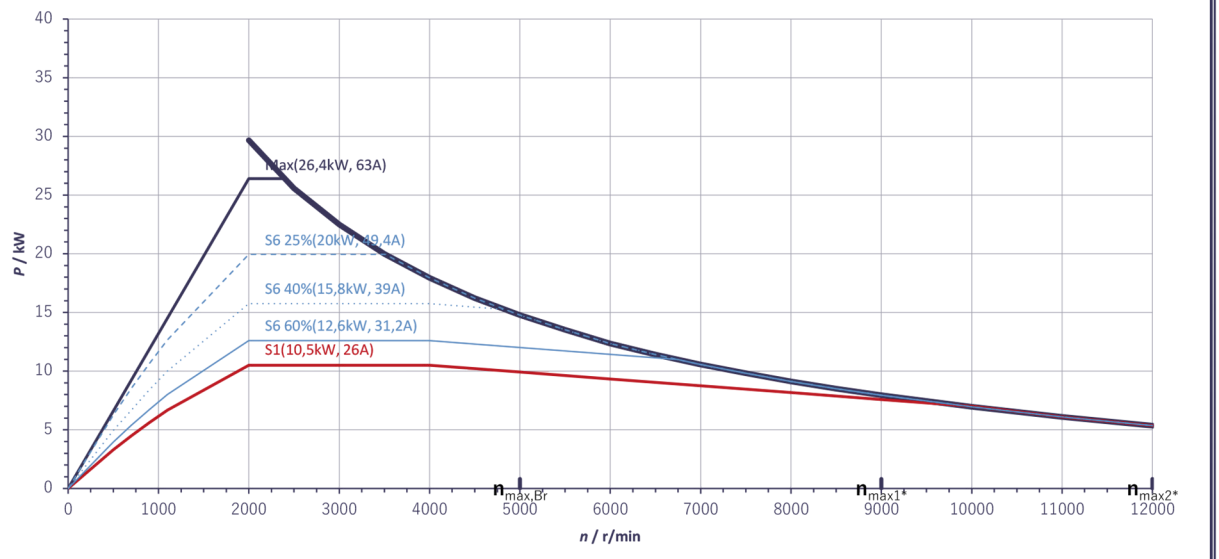
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	12,1	53,0	21,5	9000	12000	--	5000	6000	135,0	54	63	25,0

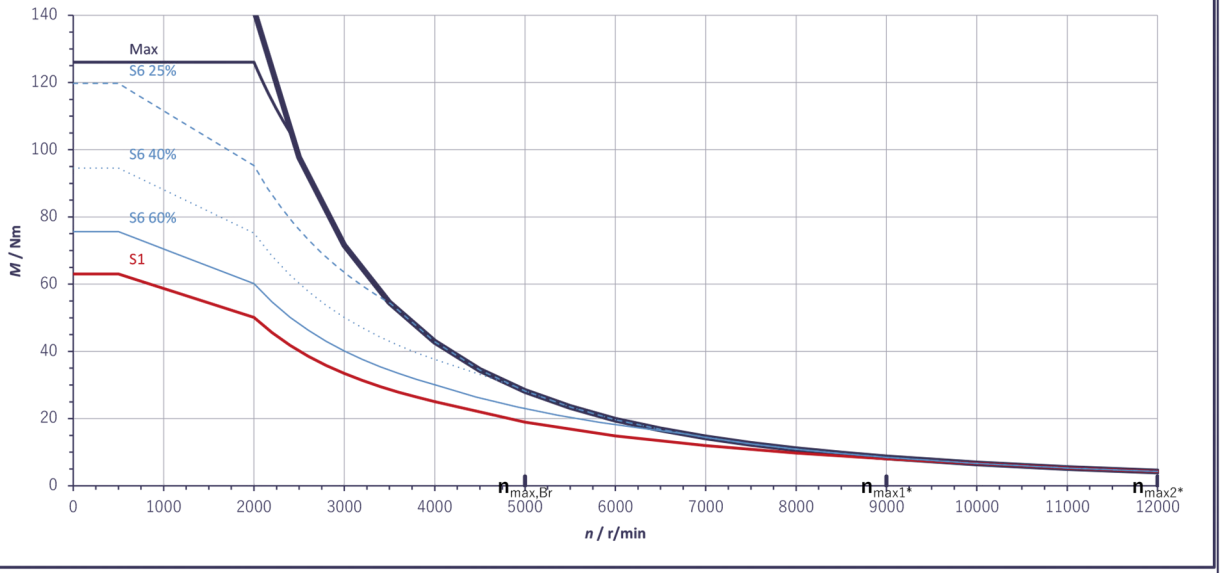




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8107-1□G0, 1PH8107-1□G1, 1PH8107-3□G0, 1PH8107-3□G1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	10,5	50,0	26,0	9000	12000	--	5000	4000	126,0	63	63	29,0

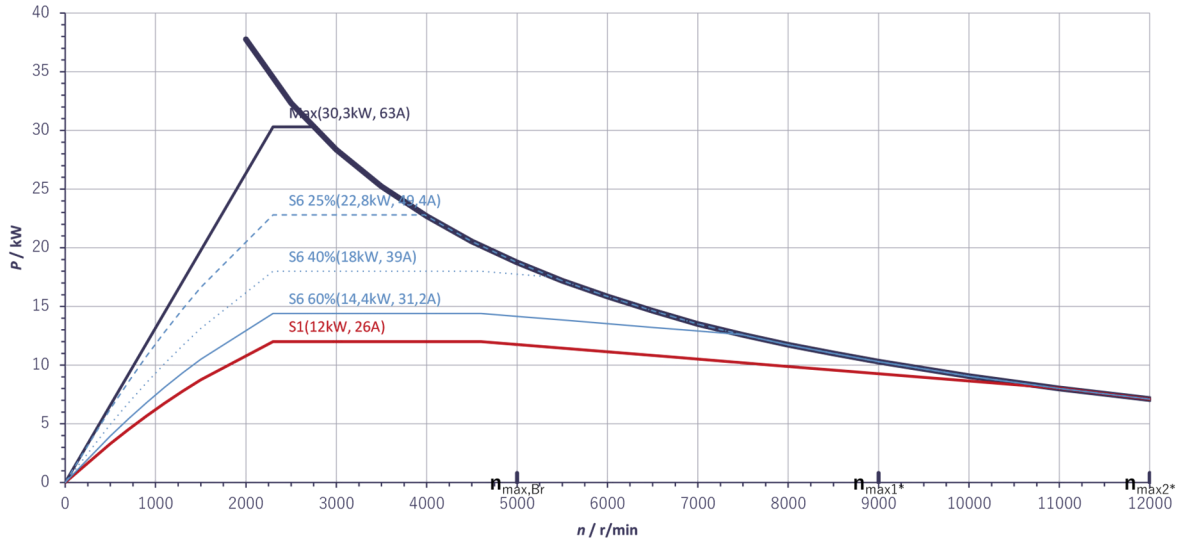


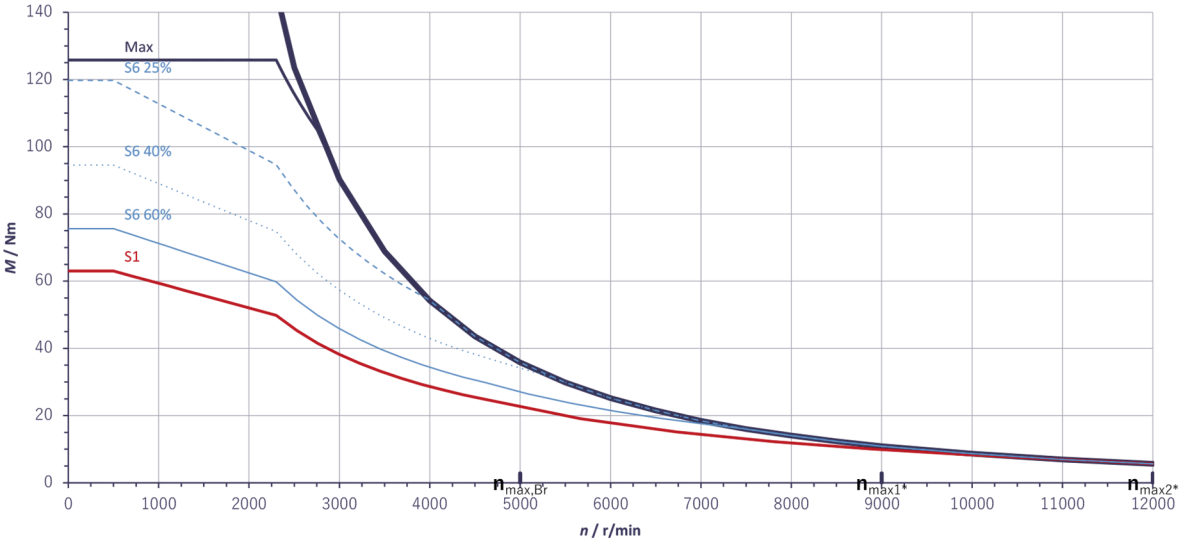


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8107-1□G0, 1PH8107-1□G1, 1PH8107-3□G0, 1PH8107-3□G1 in Star-connection

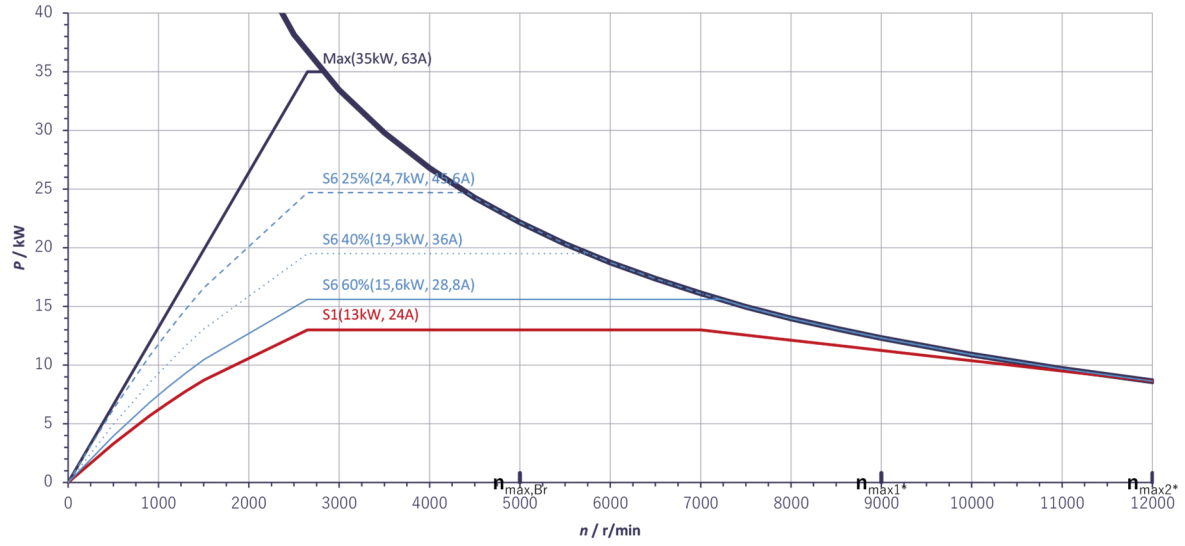
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	12,0	50,0	26,0	9000	12000	--	5000	4600	126,0	63	63	29,0
2000	10,5	50	26,0					7000				

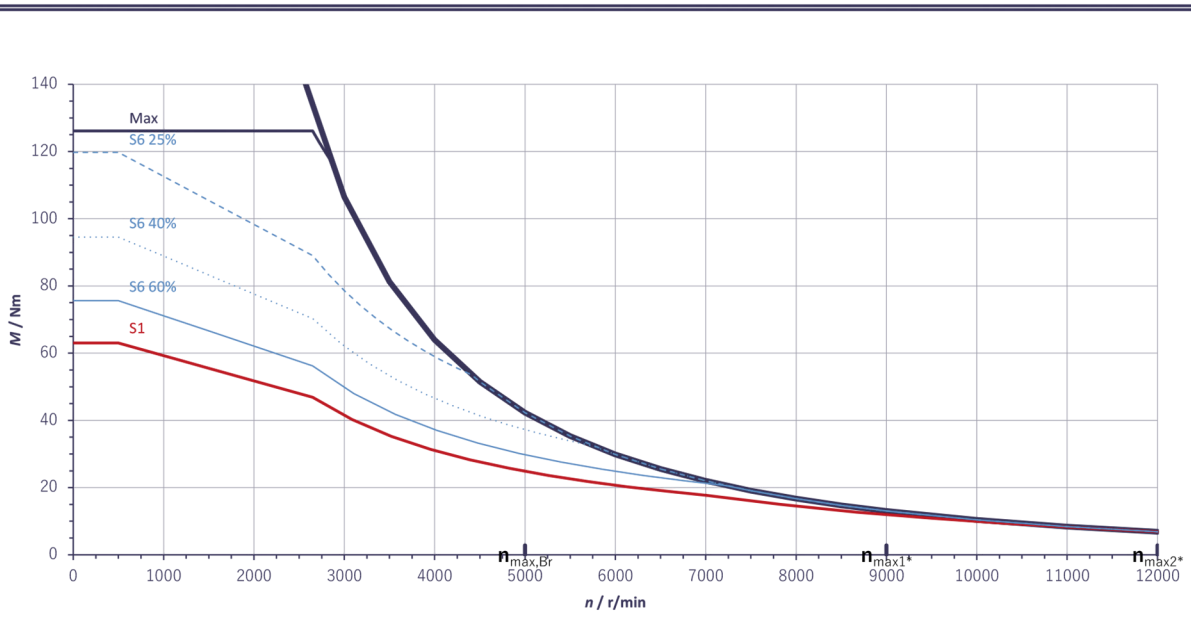




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8107-1□G0, 1PH8107-1□G1, 1PH8107-3□G0, 1PH8107-3□G1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	13,0	47,0	24,0	9000	12000	--	5000	7000	126,0	63	63	29,0

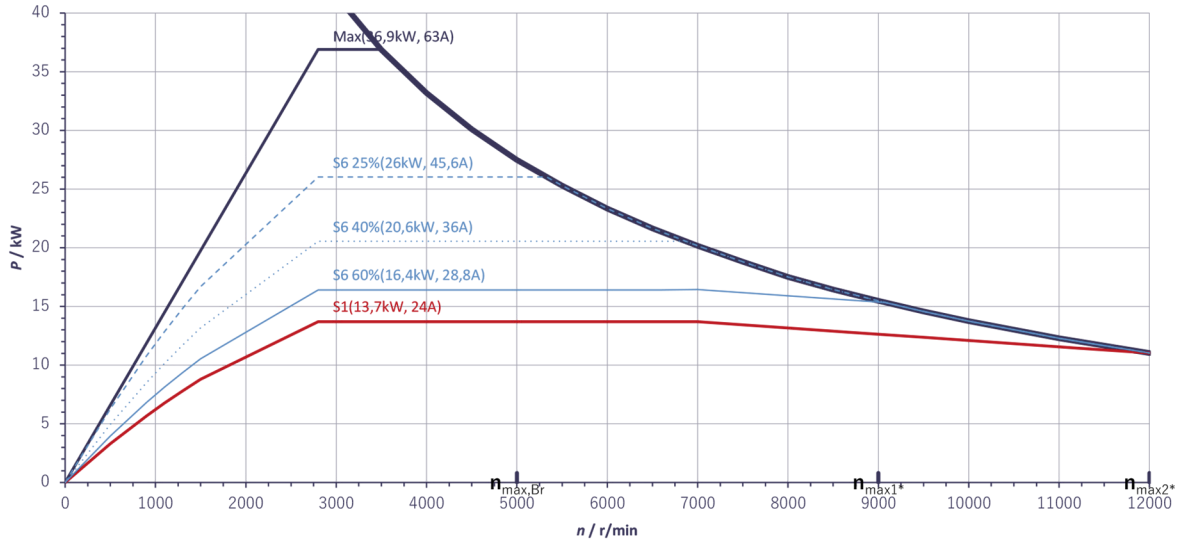


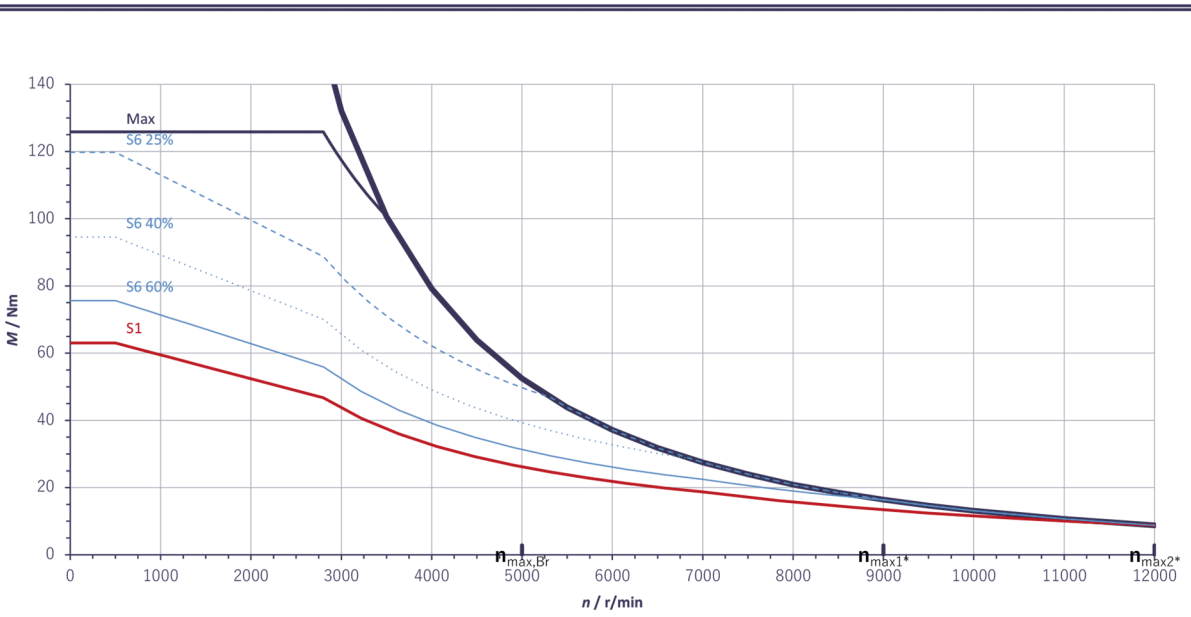


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8107-1□G0, 1PH8107-1□G1, 1PH8107-3□G0, 1PH8107-3□G1 in Star-connection

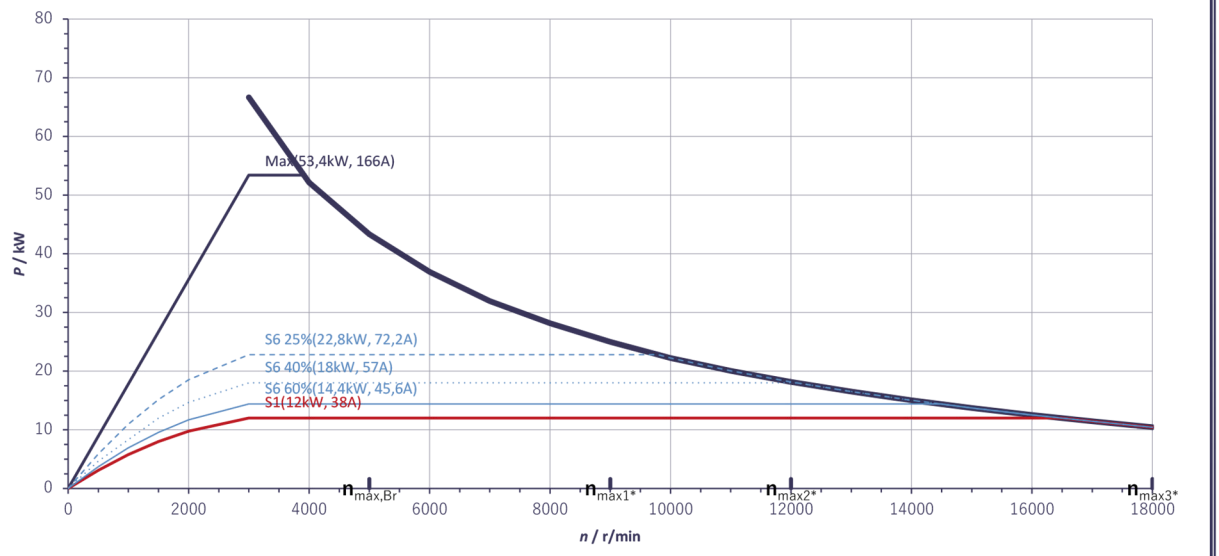
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	13,7	47,0	24,0	9000	12000	--	5000	7000	126,0	63	63	29,0

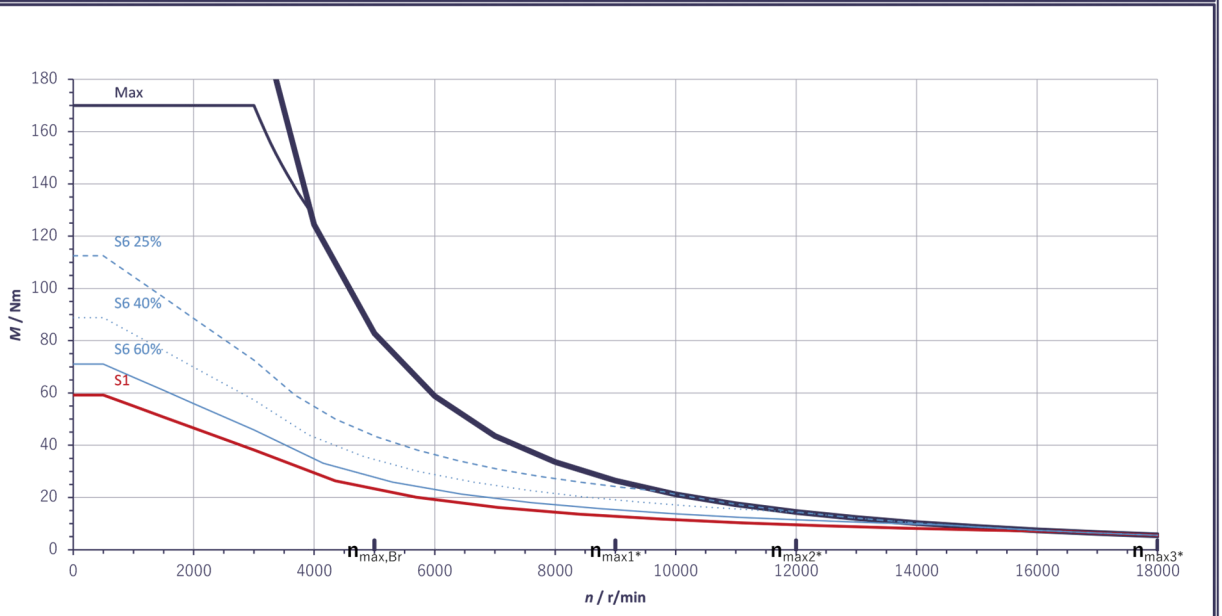




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8107-1□M0, 1PH8107-1□M1, 1PH8107-3□M0, 1PH8107-3□M1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3000	12,0	38,0	38,0	9000	12000	18000	5000	16550	170,0	166	59	48,0

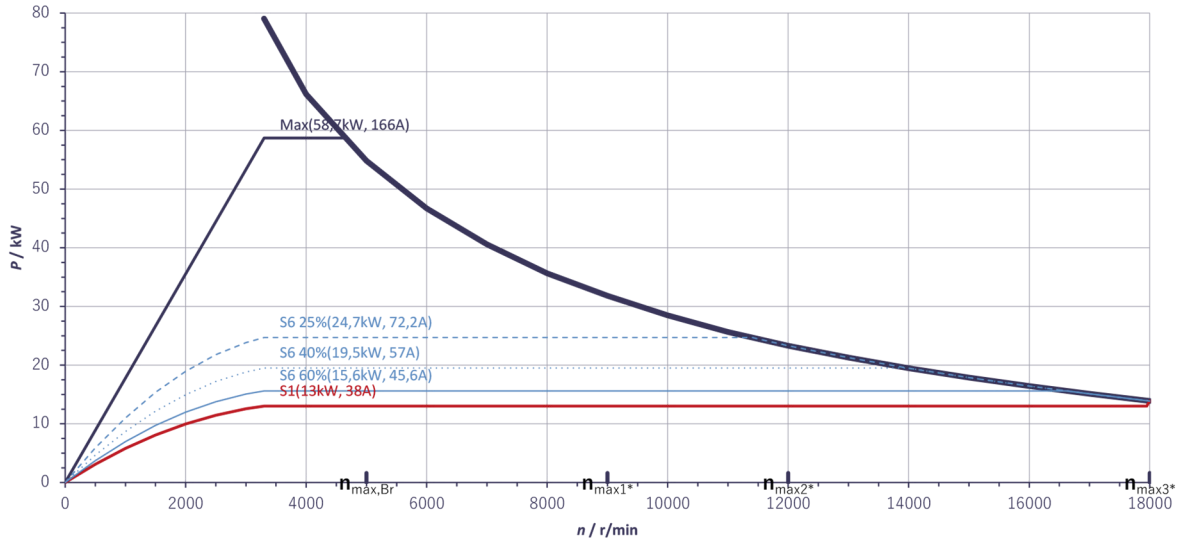


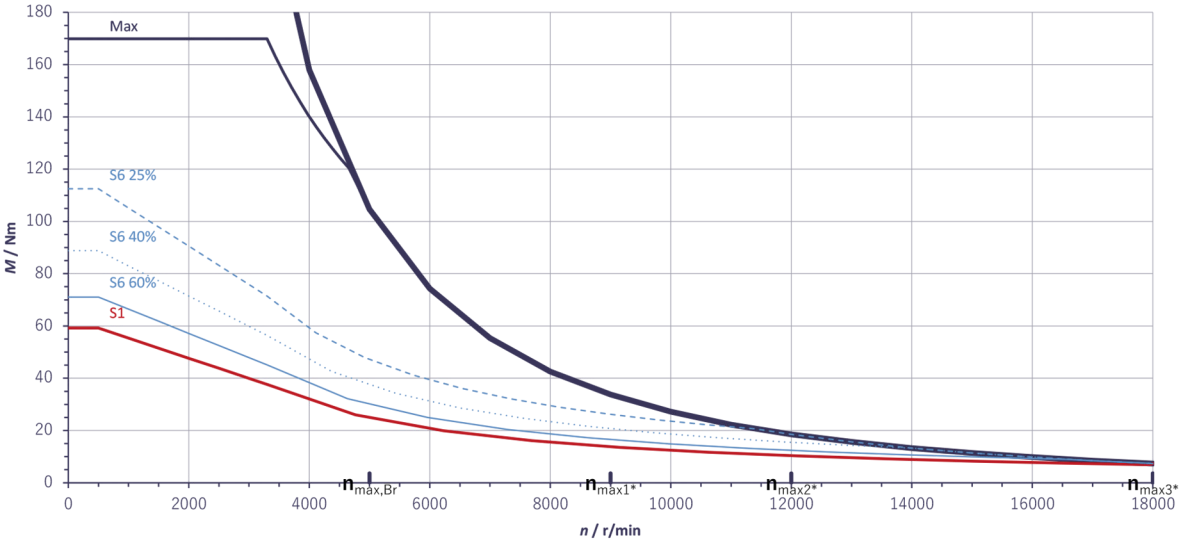


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8107-1□M0, 1PH8107-1□M1, 1PH8107-3□M0, 1PH8107-3□M1 in Star-connection

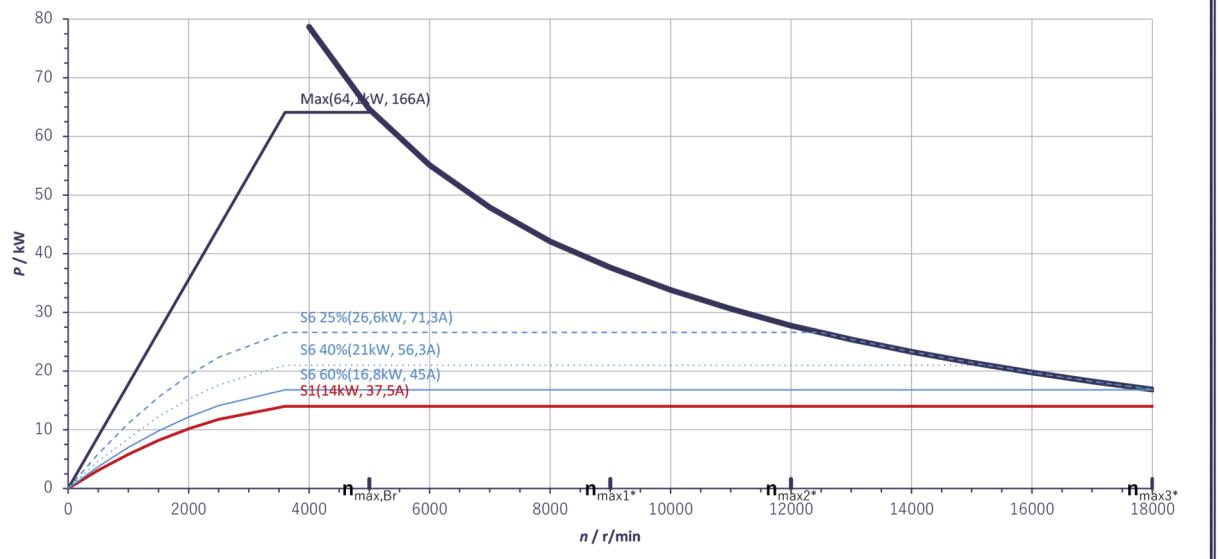
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3300	13,0	38,0	38,0	9000	12000	18000	5000	18000	170,0	166	59	48,0
3000	12,0	38	38,0					18000				

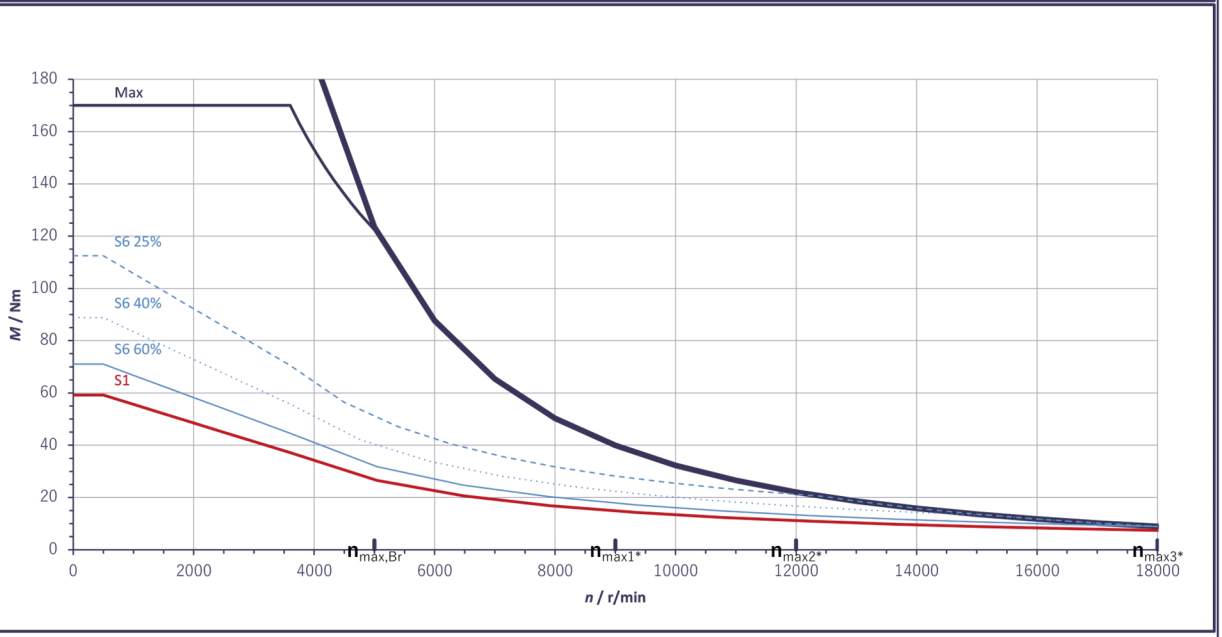




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8107-1□M0, 1PH8107-1□M1, 1PH8107-3□M0, 1PH8107-3□M1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3600	14,0	37,0	37,5	9000	12000	18000	5000	18000	170,0	166	59	48,0

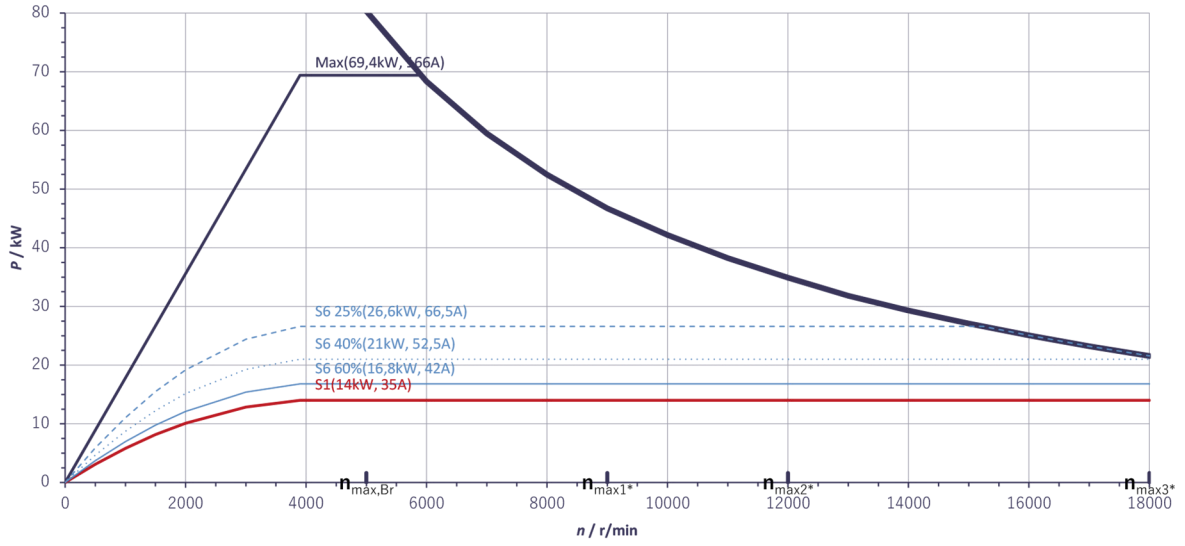


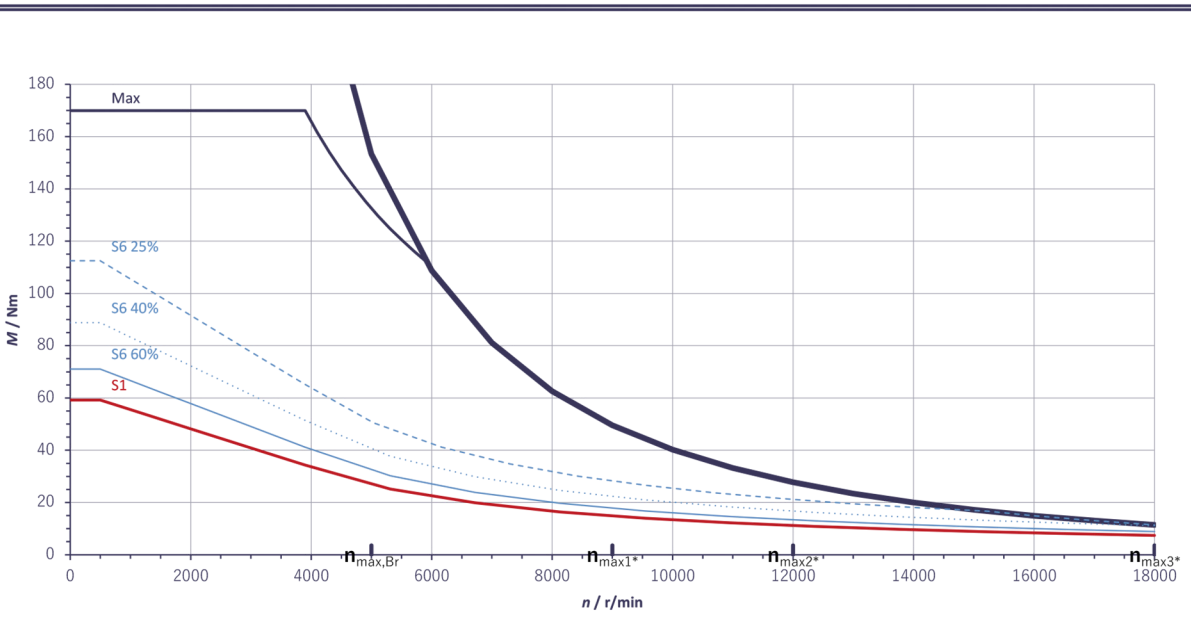


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8107-1□M0, 1PH8107-1□M1, 1PH8107-3□M0, 1PH8107-3□M1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3900	14,0	34,0	35,0	9000	12000	18000	5000	18000	170,0	166	59	48,0

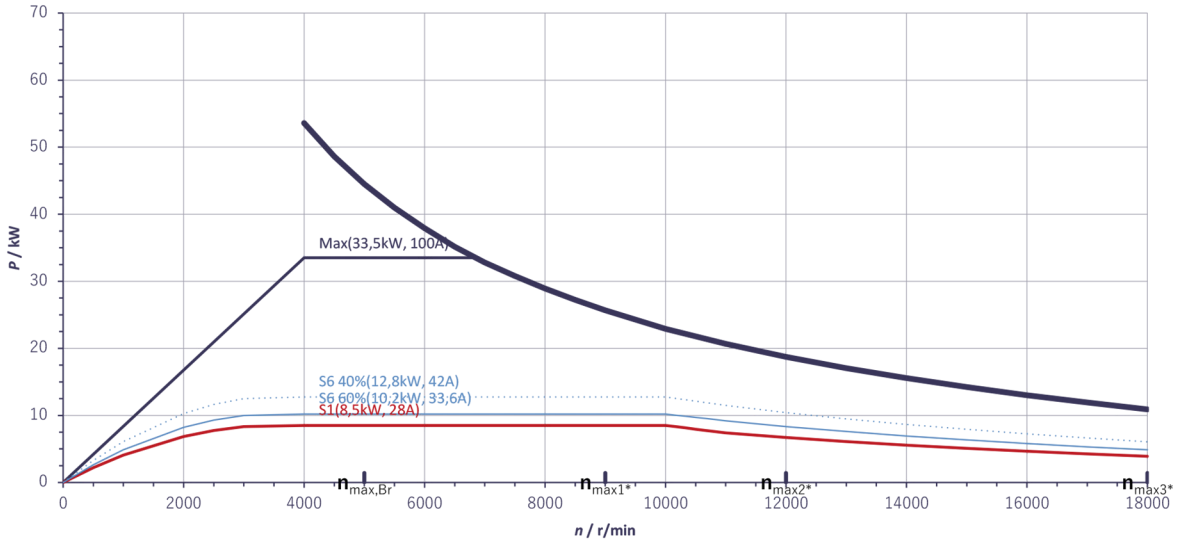


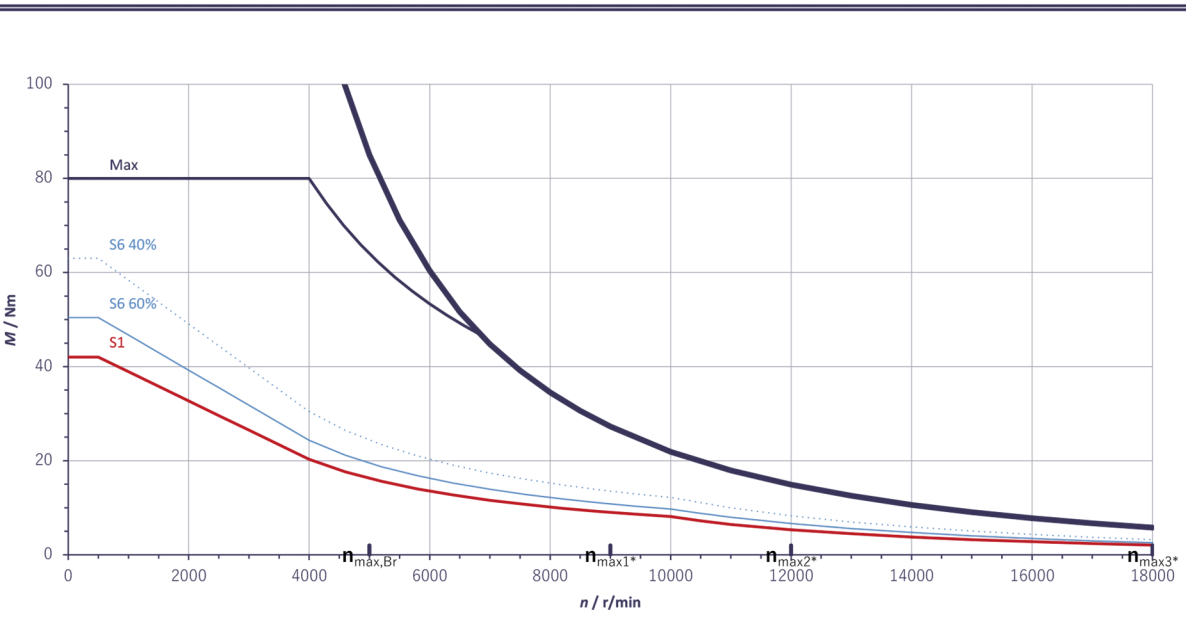


SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)

Induction motor 1PH8107-1□S0, 1PH8107-1□S1, 1PH8107-1□S7, 1PH8107-3□S0, 1PH8107-3□S1, 1PH8107-3□S7 in Delta-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
4000	8,5	20,0	28,0	9000	12000	18000	5000	10000	80,0	100	42	40,0

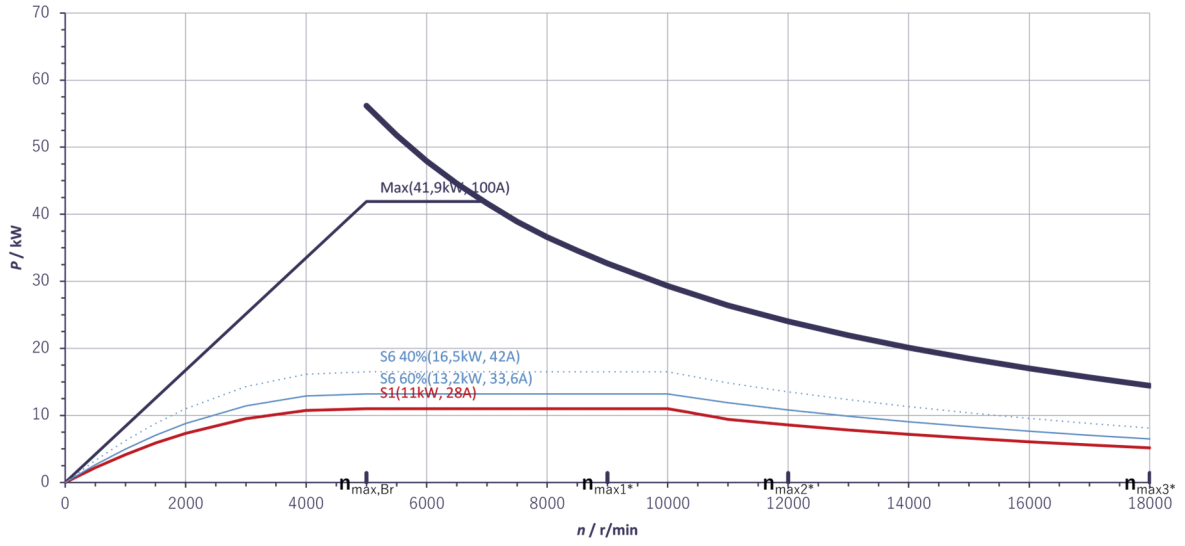


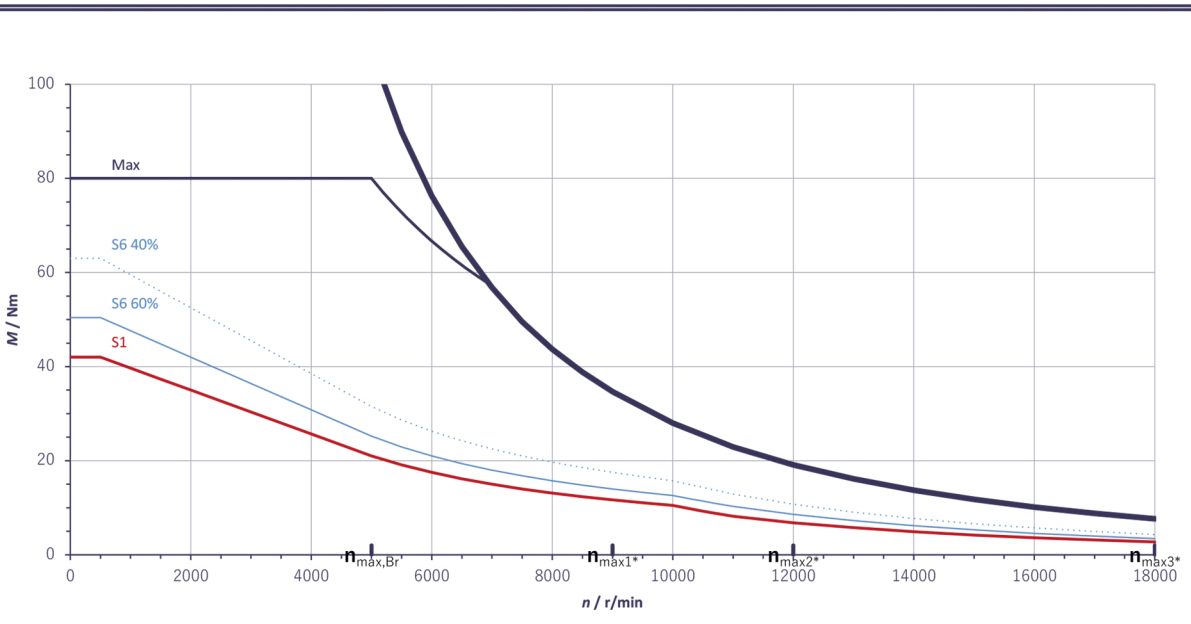


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8107-1□S0, 1PH8107-1□S1, 1PH8107-1□S7, 1PH8107-3□S0, 1PH8107-3□S1, 1PH8107-3□S7 in Delta-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
5000	11,0	21,0	28,0	9000	12000	18000	5000	10000	80,0	100	42	40,0
4000	8,5	20	28,0					12000				

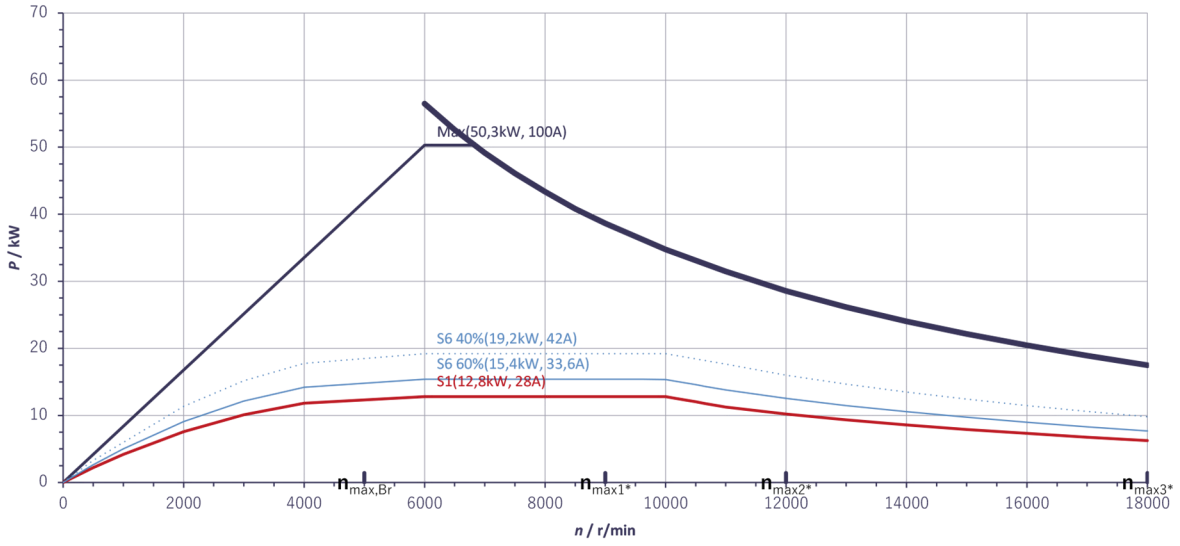


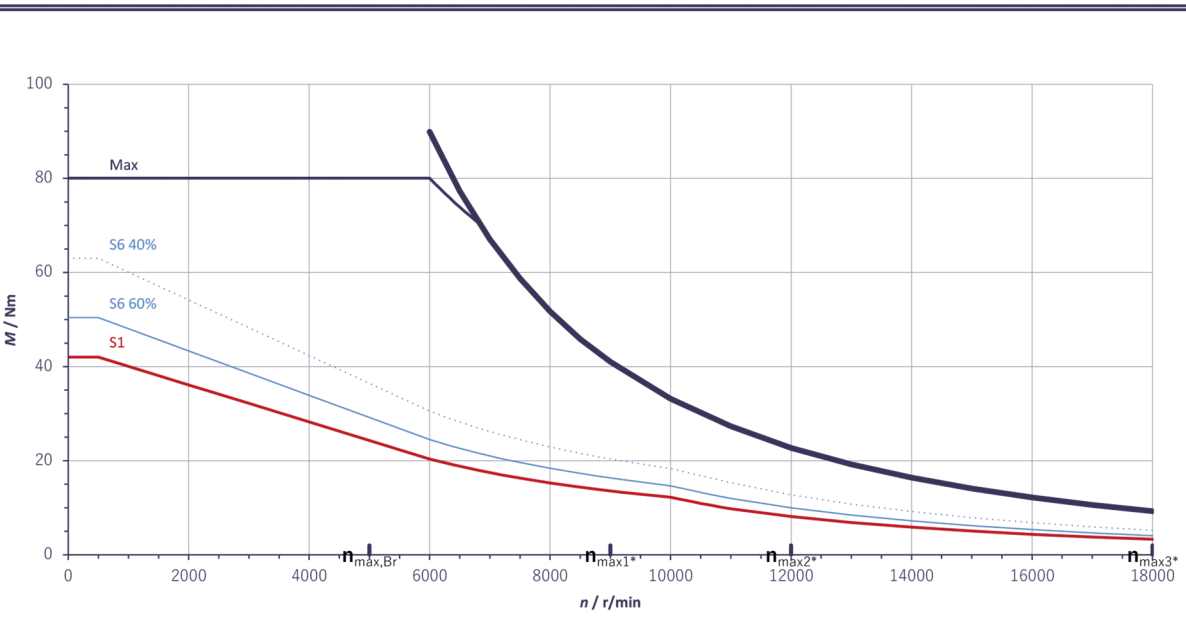


SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)

Induction motor 1PH8107-1□S0, 1PH8107-1□S1, 1PH8107-1□S7, 1PH8107-3□S0, 1PH8107-3□S1, 1PH8107-3□S7 in Delta-connection

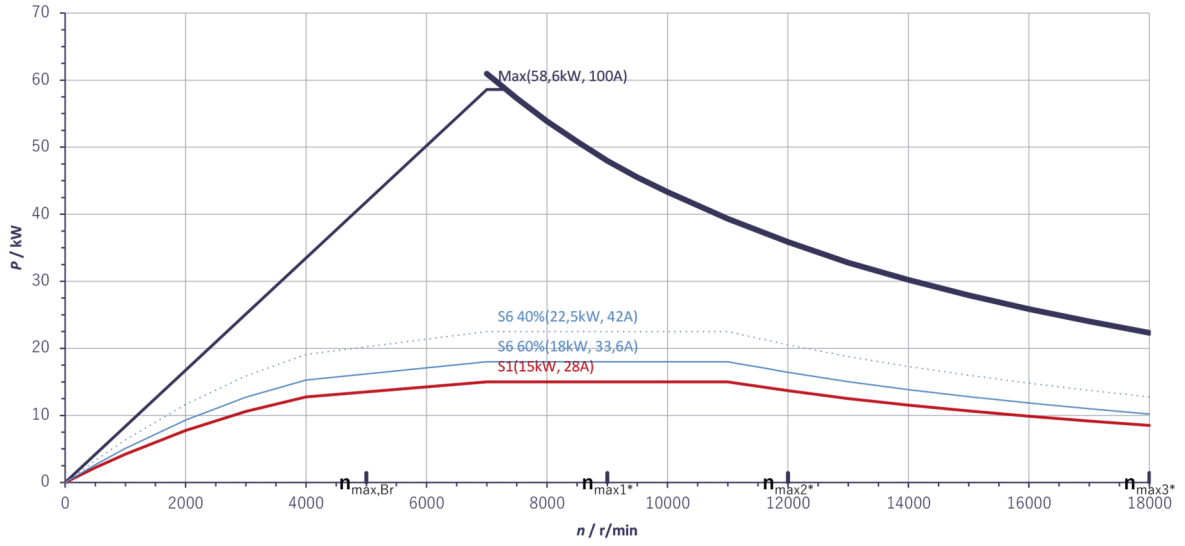
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
6000	12,8	20,0	28,0	9000	12000	18000	5000	10000	80,0	100	42	40,0

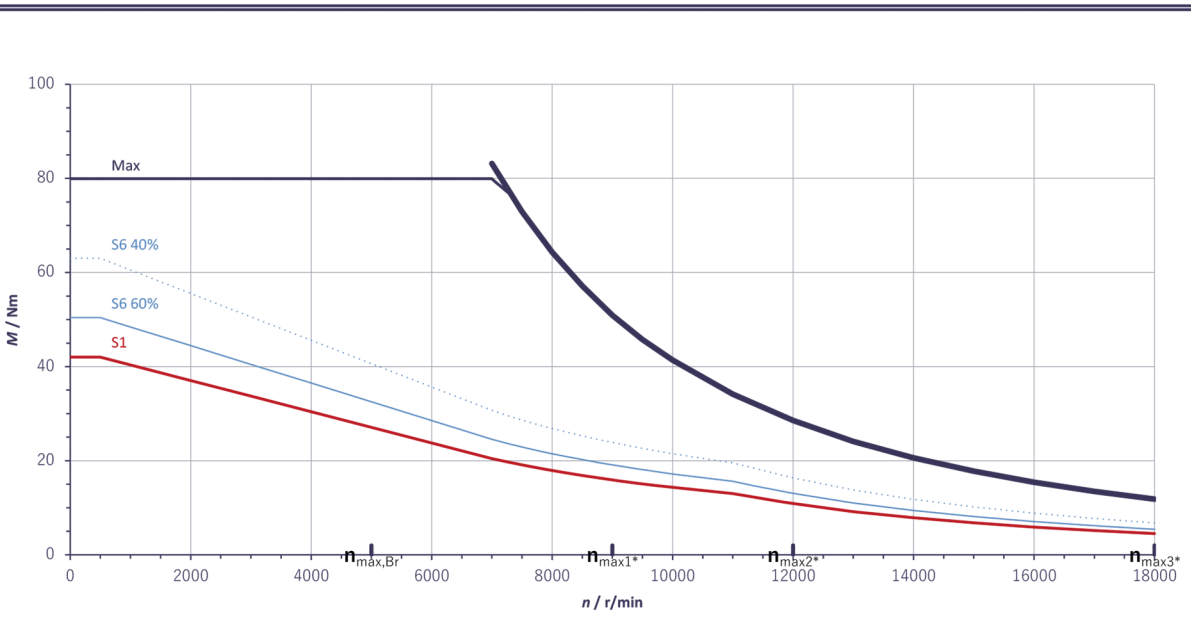




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8107-1□S0, 1PH8107-1□S1, 1PH8107-1□S7, 1PH8107-3□S0, 1PH8107-3□S1, 1PH8107-3□S7 in Delta-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
7000	15,0	20,0	28,0	9000	12000	18000	5000	11000	80,0	100	42	40,0

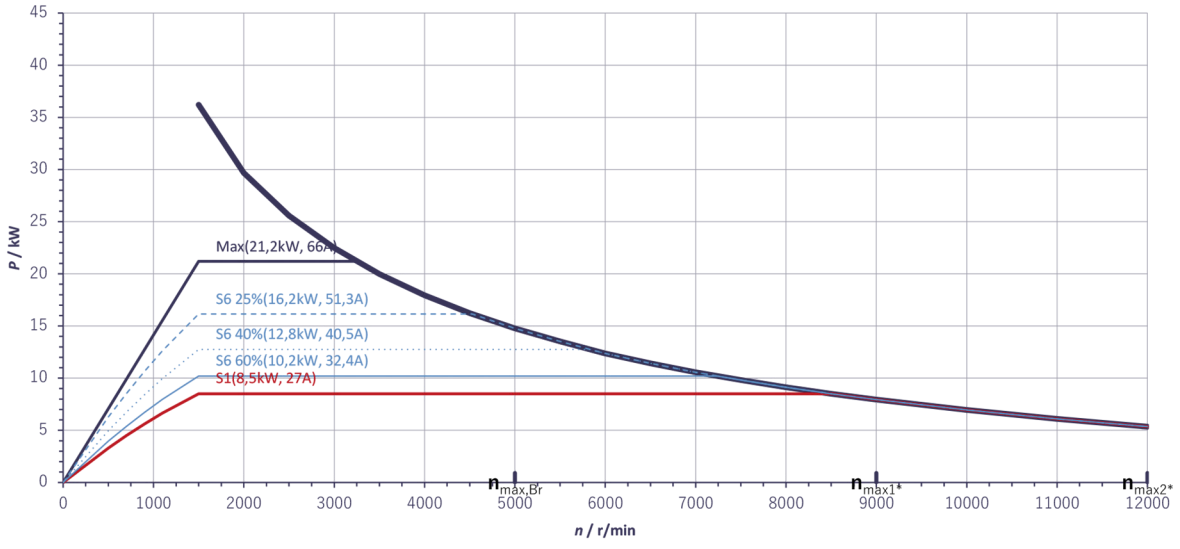


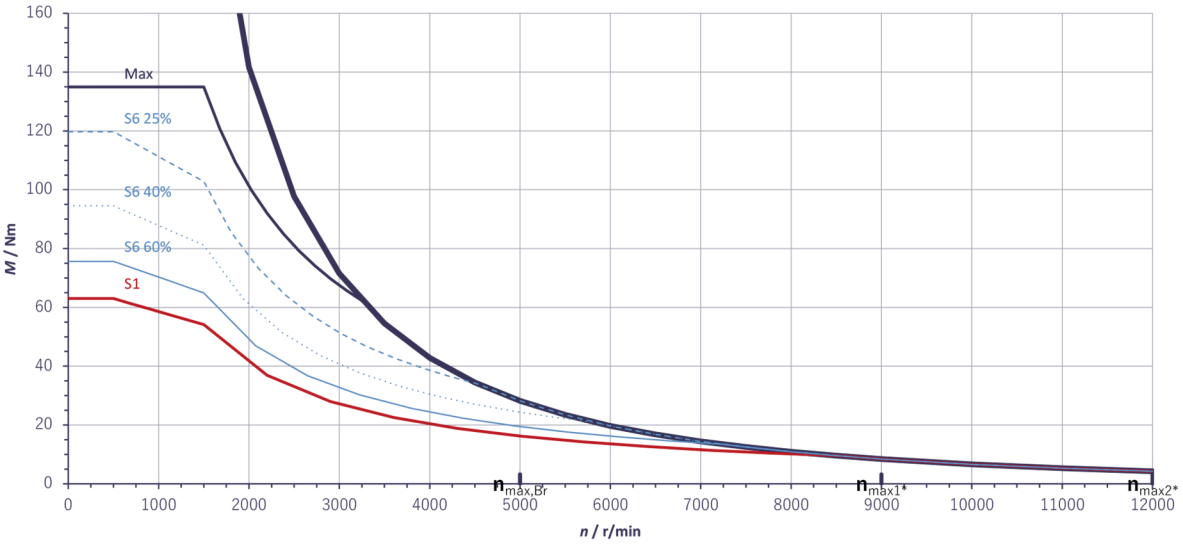


SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)

Induction motor 1PH8107-1□S0, 1PH8107-1□S1, 1PH8107-1□S7, 1PH8107-3□S0, 1PH8107-3□S1, 1PH8107-3□S7 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	8,5	54,0	27,0	9000	12000	--	5000	8550	135,0	66	63	29,6

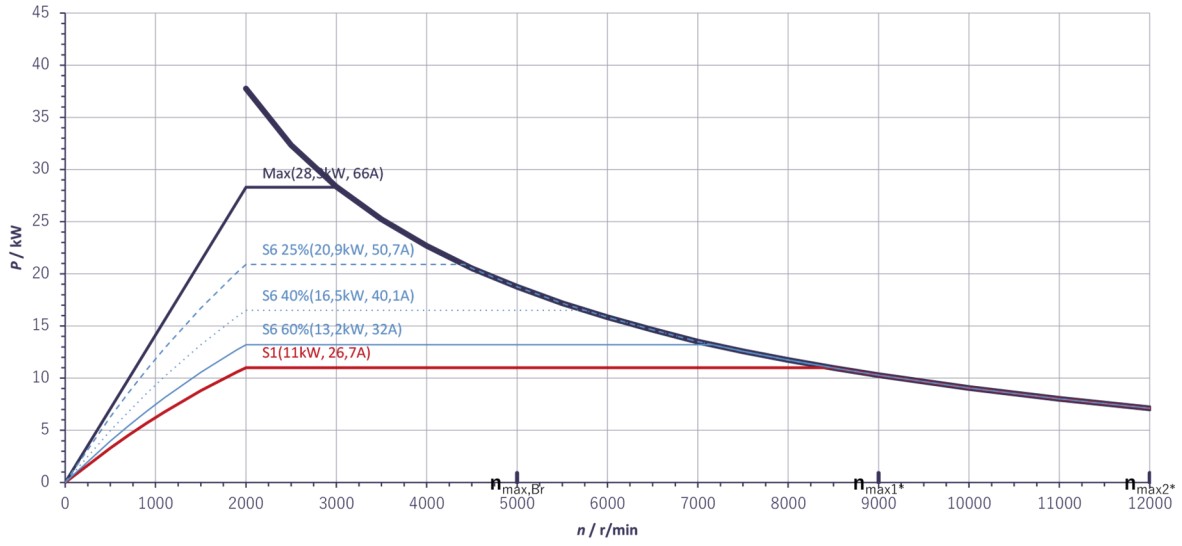


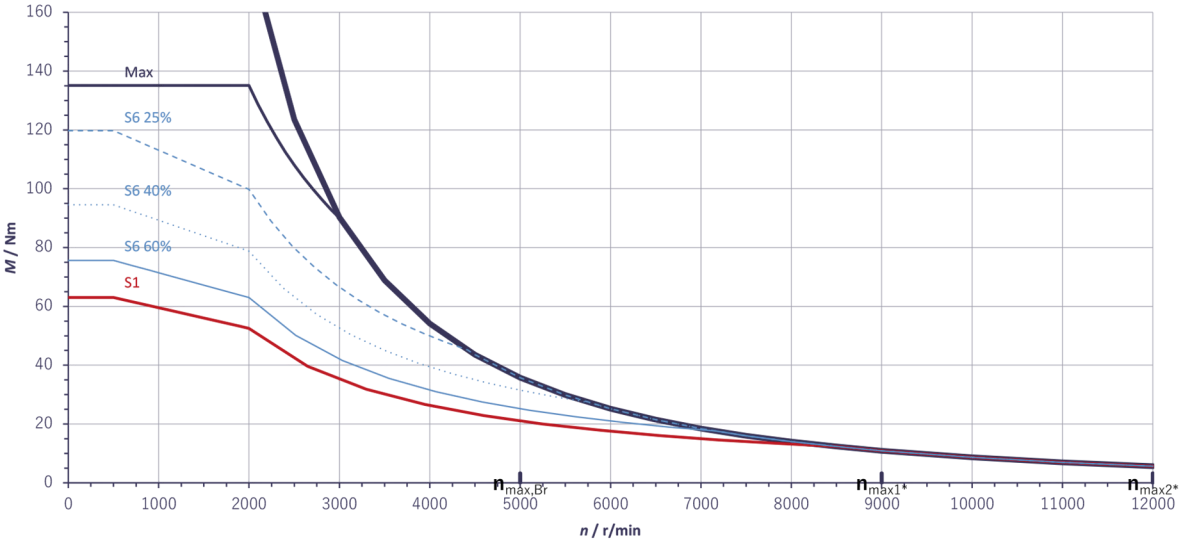


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8107-1□S0, 1PH8107-1□S1, 1PH8107-1□S7, 1PH8107-3□S0, 1PH8107-3□S1, 1PH8107-3□S7 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	11,0	53,0	26,7	9000	12000	--	5000	8550	135,0	66	63	29,6
1500	8,5	54	27,0					10600				

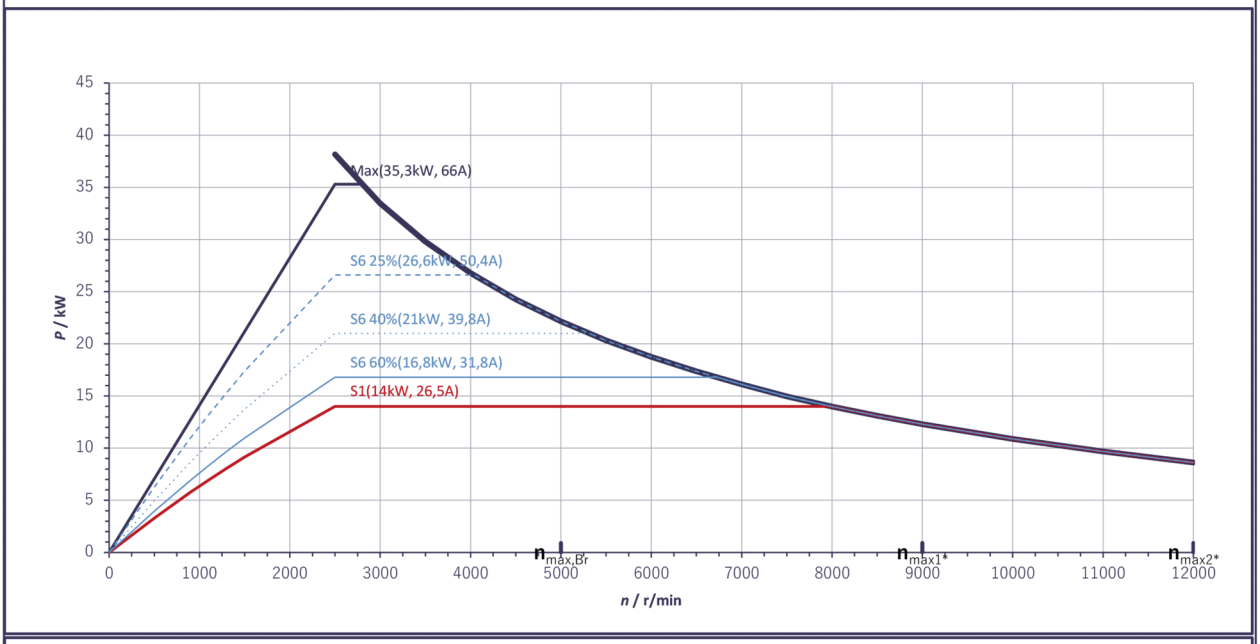


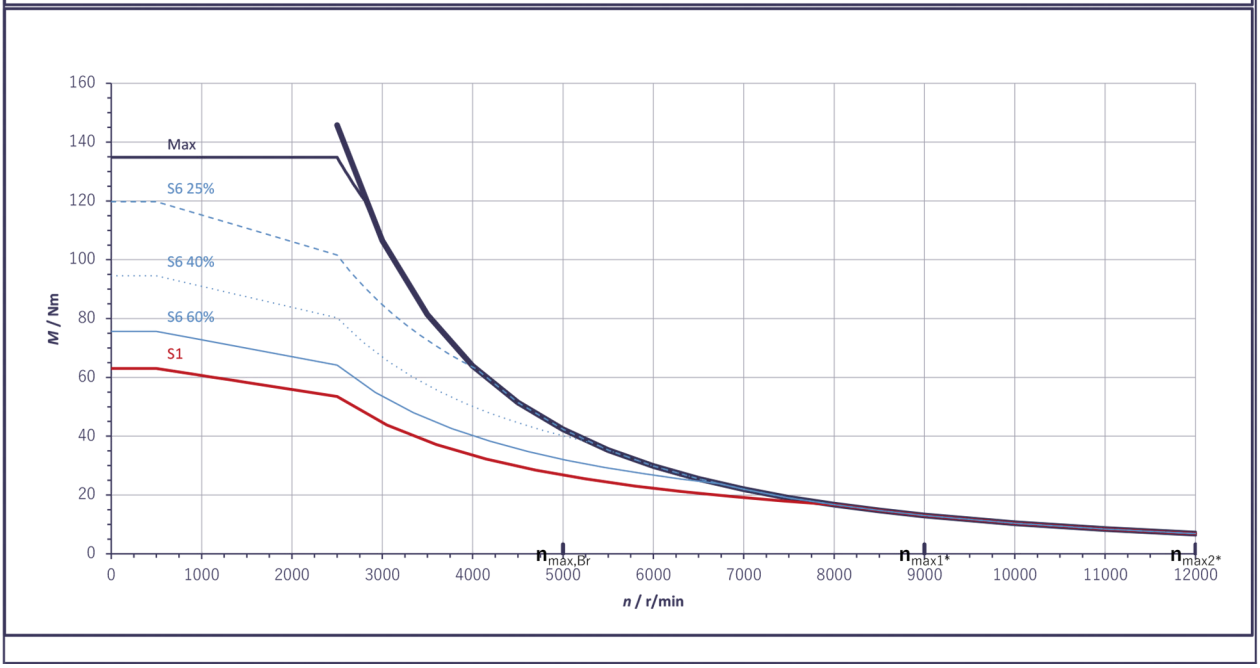


SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)

Induction motor 1PH8107-1□S0, 1PH8107-1□S1, 1PH8107-1□S7, 1PH8107-3□S0, 1PH8107-3□S1, 1PH8107-3□S7 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2500	14,0	53,0	26,5	9000	12000	--	5000	8050	135,0	66	63	29,6

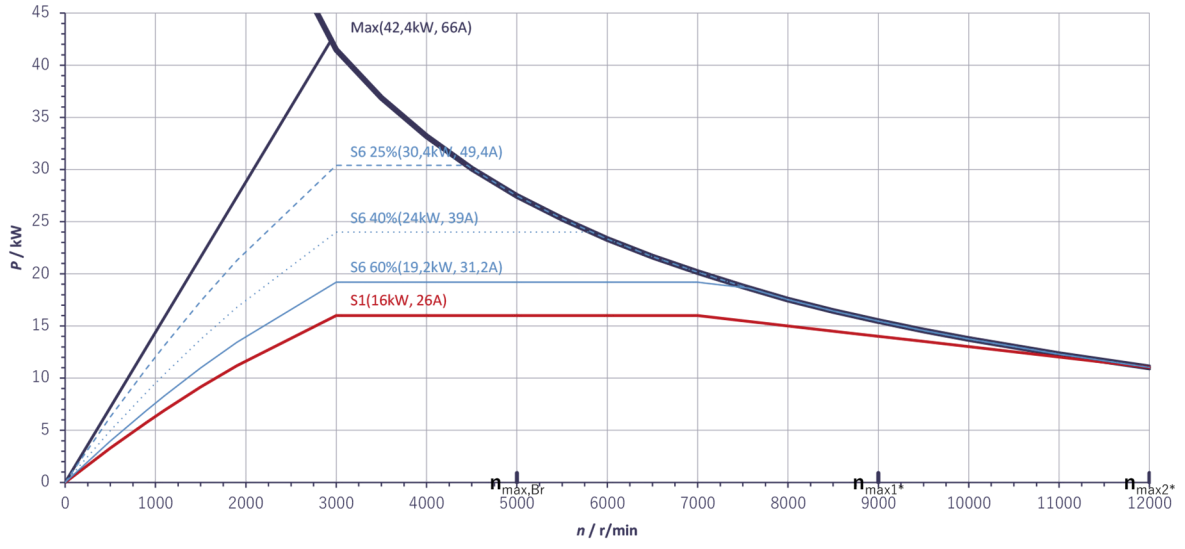


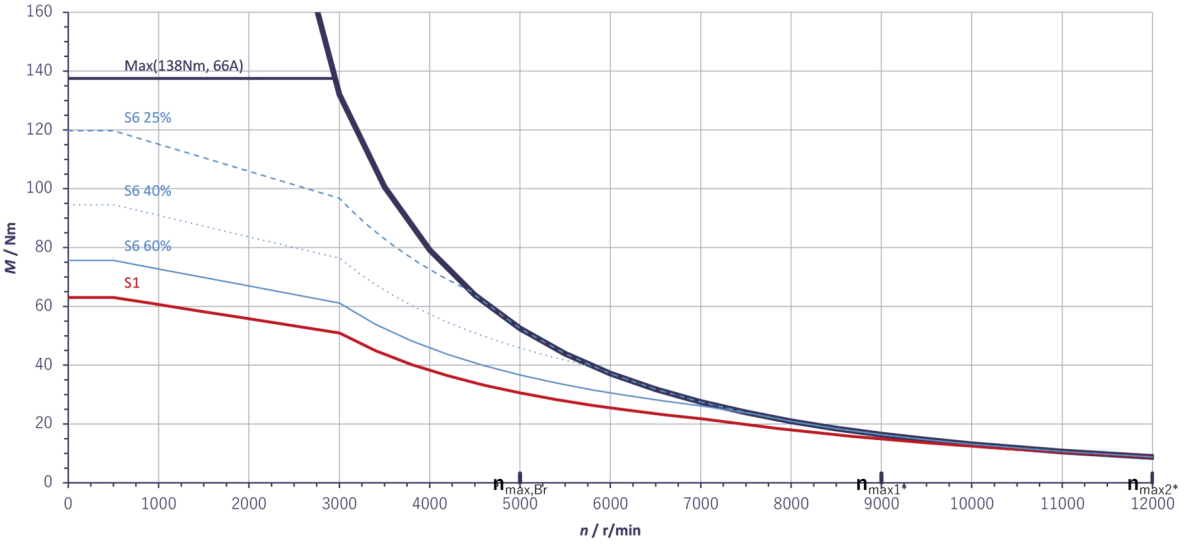


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8107-1□S0, 1PH8107-1□S1, 1PH8107-1□S7, 1PH8107-3□S0, 1PH8107-3□S1, 1PH8107-3□S7 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3000	16,0	51,0	26,0	9000	12000	--	5000	7000	135,0	66	63	29,6

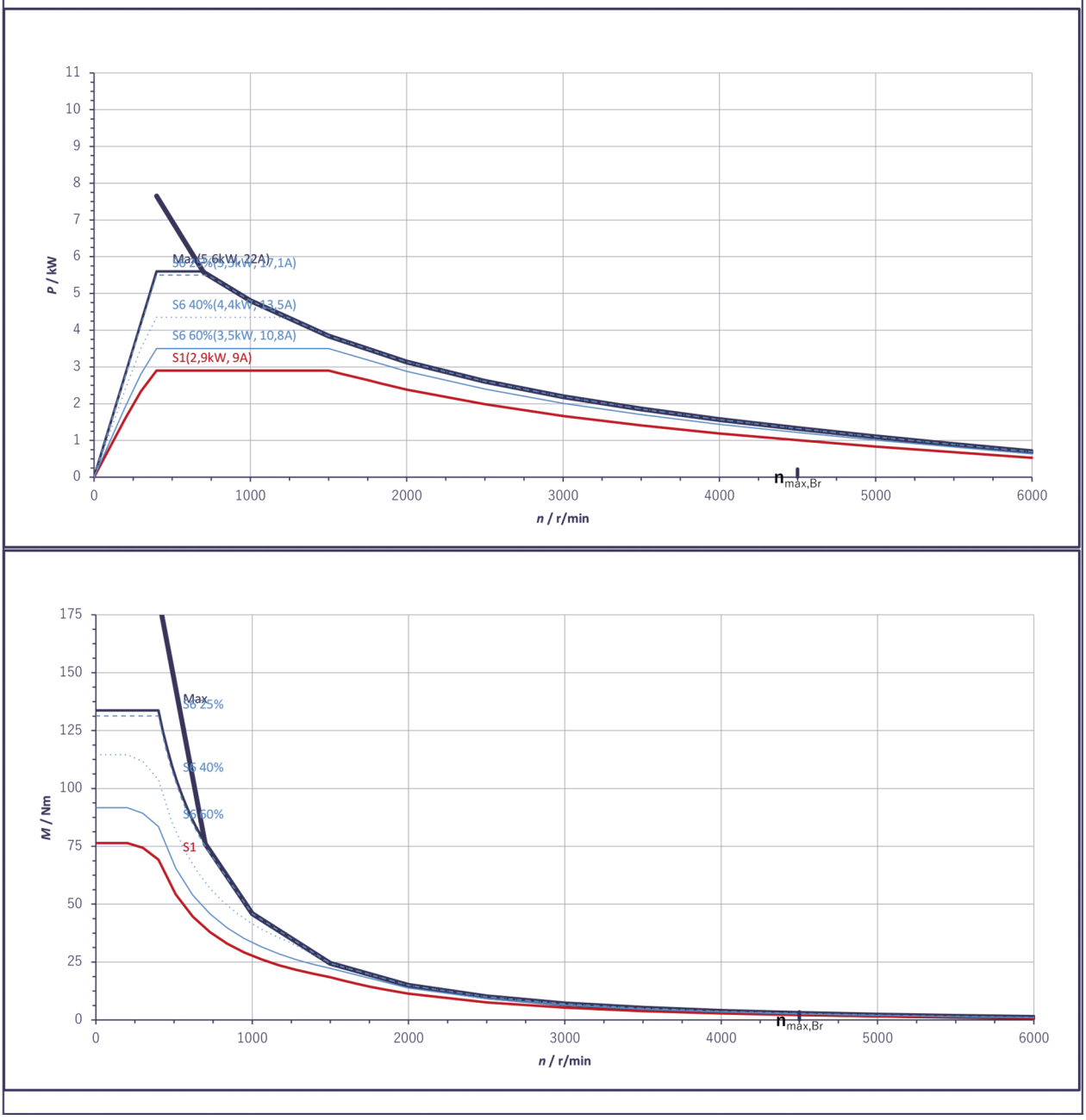




2.2.4 Shaft height 132 – forced ventilation

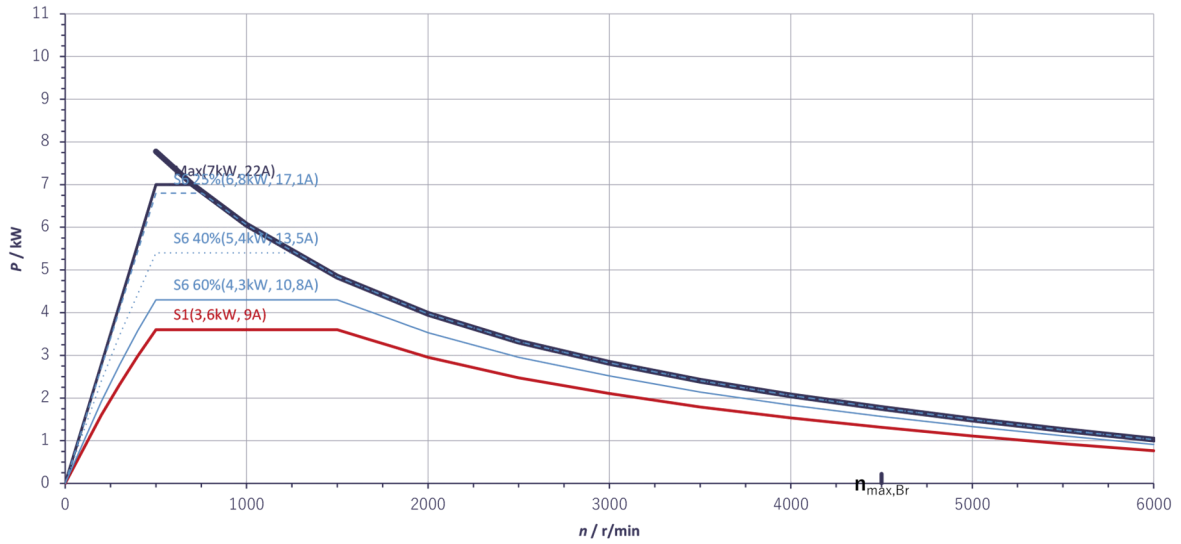
SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8131-1□B0, 1PH8131-1□B1, 1PH8131-3□B0, 1PH8131-3□B1 in Star-connection

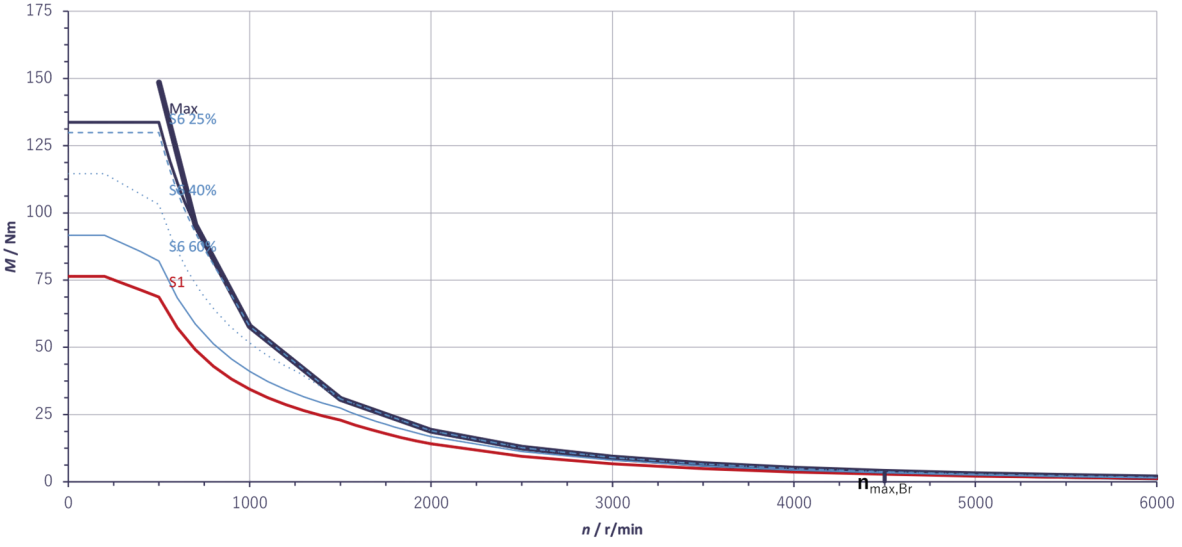
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
400	2,9	69,0	9,0	--	--	--	4500	1500	134,0	22	76	10,0



SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8131-1□B0, 1PH8131-1□B1, 1PH8131-3□B0, 1PH8131-3□B1 in Star-connection

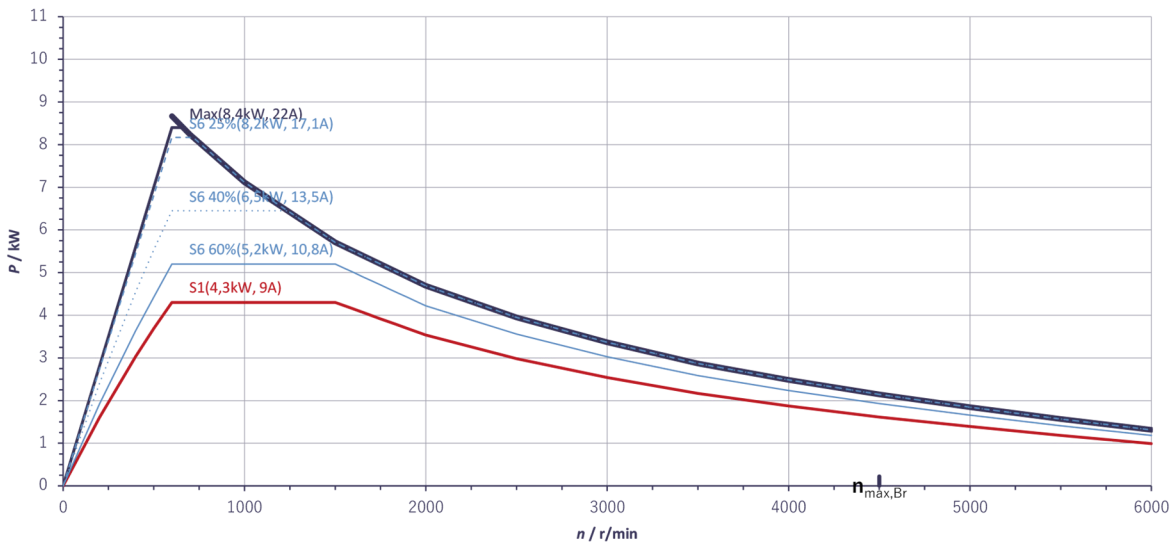
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
500	3,6	69,0	9,0	--	--	--	4500	1500	134,0	22	76	10,0
400	2,9	69	9,0					2000				

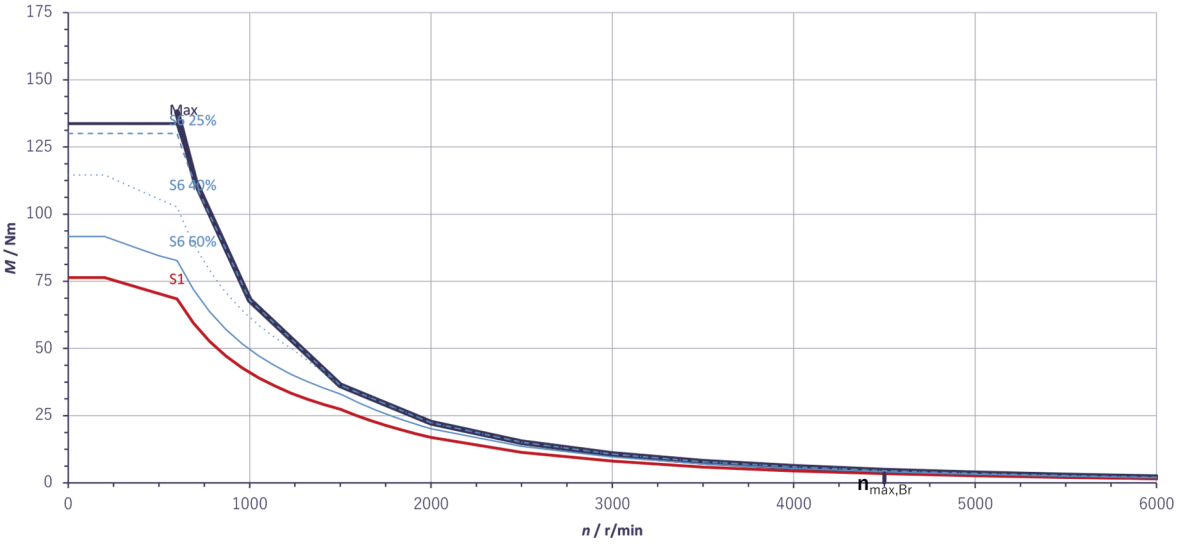




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8131-1□B0, 1PH8131-1□B1, 1PH8131-3□B0, 1PH8131-3□B1 in Star-connection

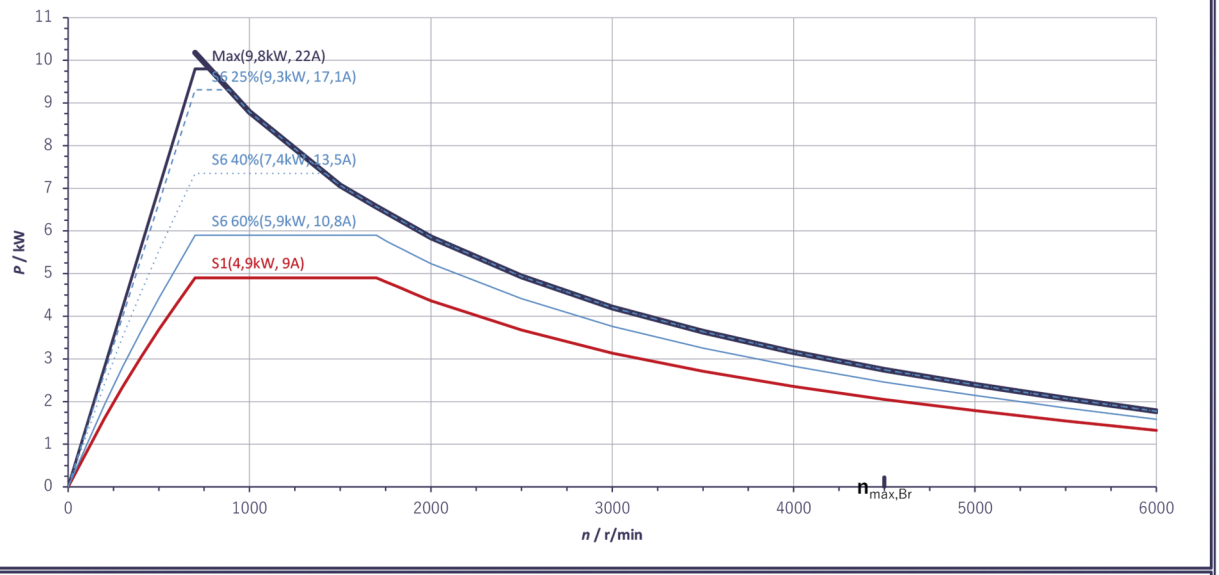
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
600	4,3	68,0	9,0	--	--	--	4500	1500	134,0	22	76	10,0

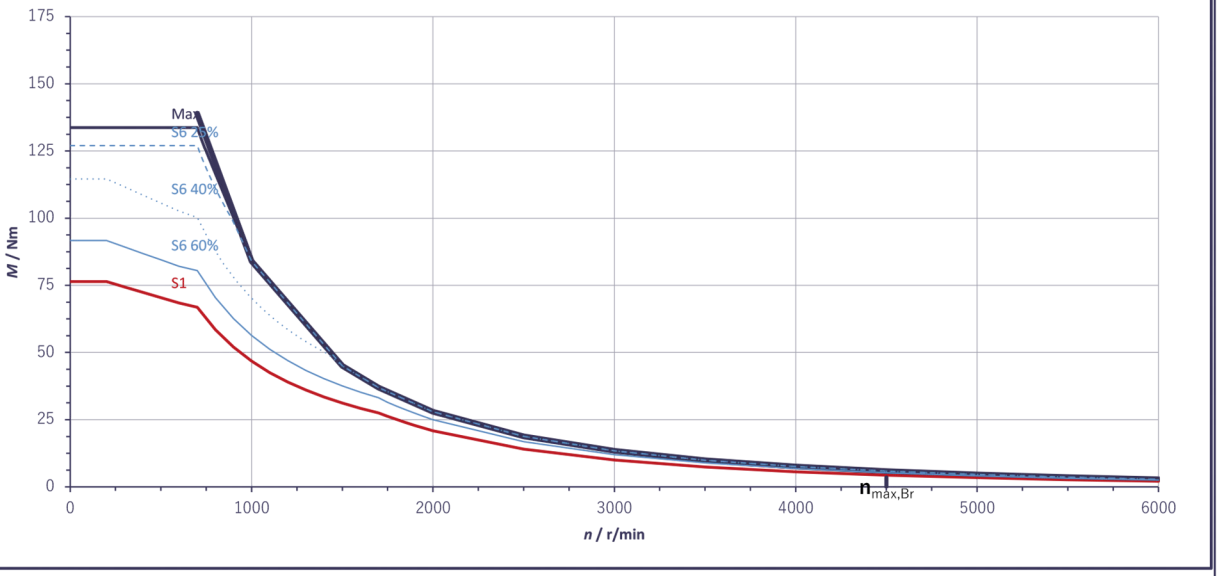




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8131-1□B0, 1PH8131-1□B1, 1PH8131-3□B0, 1PH8131-3□B1 in Star-connection

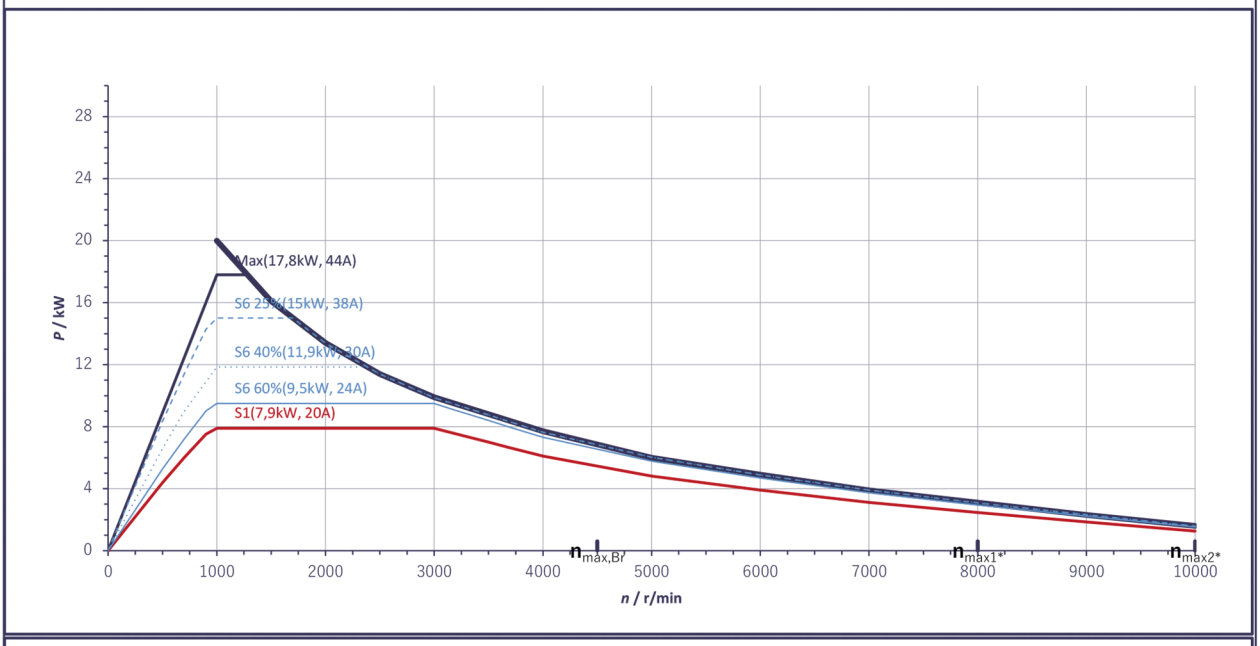
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
700	4,9	67,0	9,0	--	--	--	4500	1700	134,0	22	76	10,0

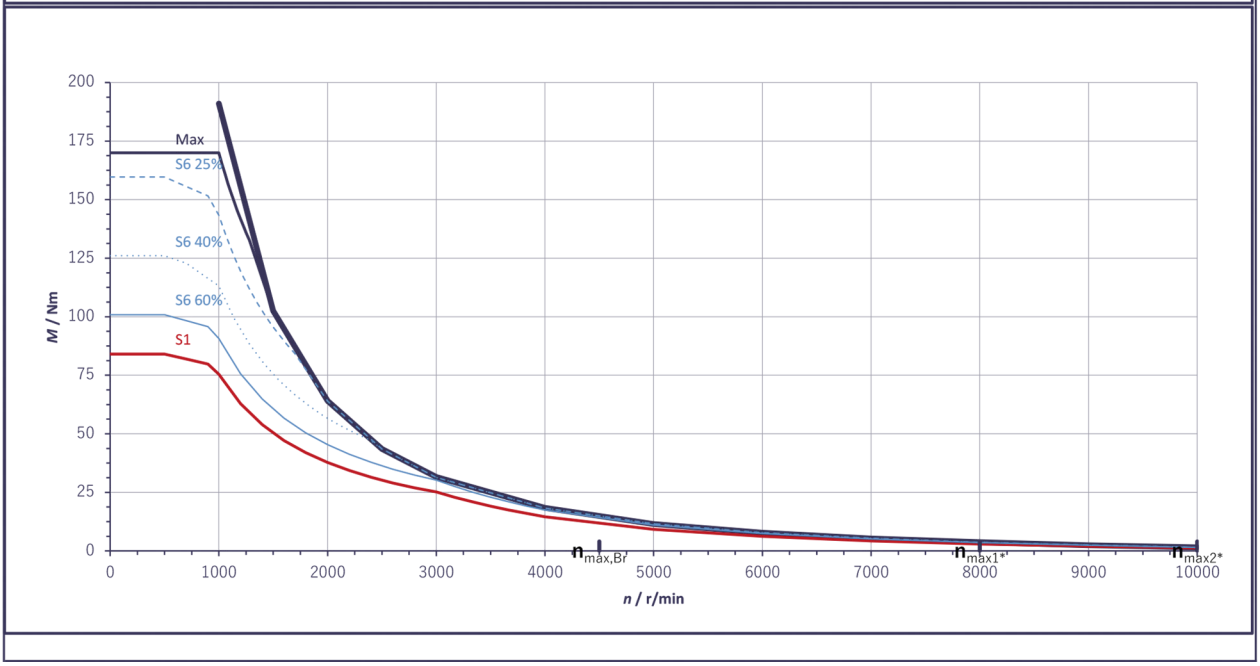




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8131-1□D0, 1PH8131-1□D1, 1PH8131-3□D0, 1PH8131-3□D1 in Star-connection

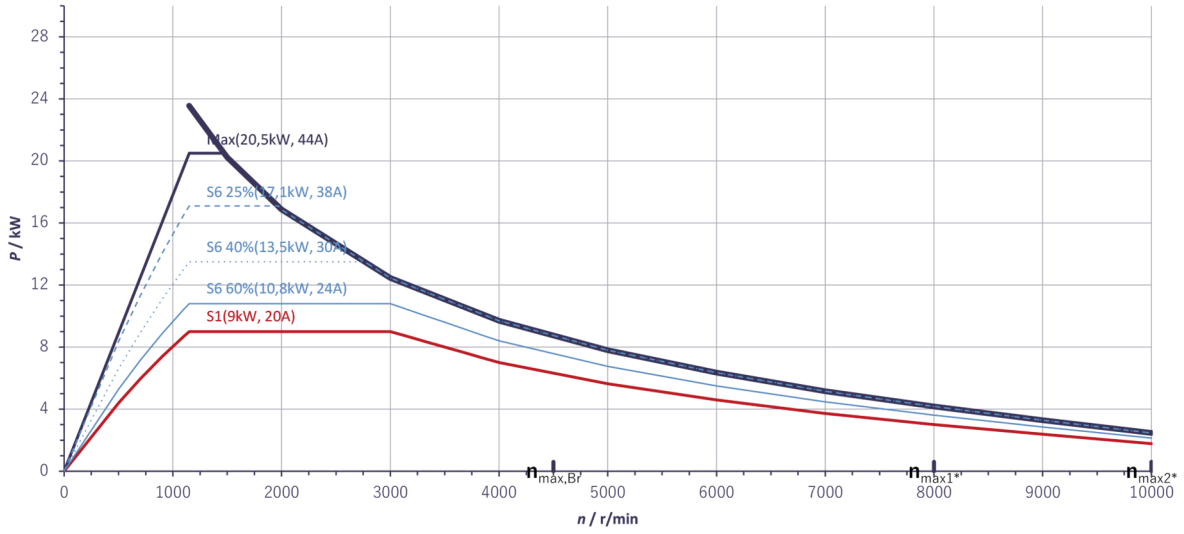
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1000	7,9	75,0	20,0	8000	10000	--	4500	3000	170,0	44	84	21,0

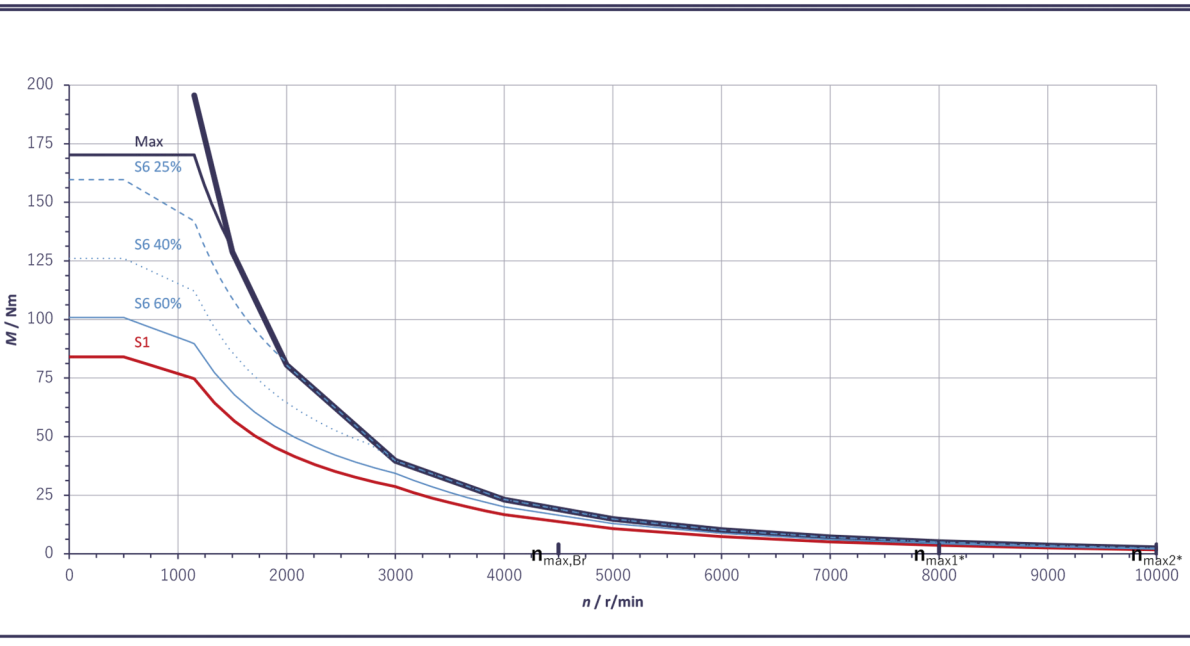




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8131-1□D0, 1PH8131-1□D1, 1PH8131-3□D0, 1PH8131-3□D1 in Star-connection

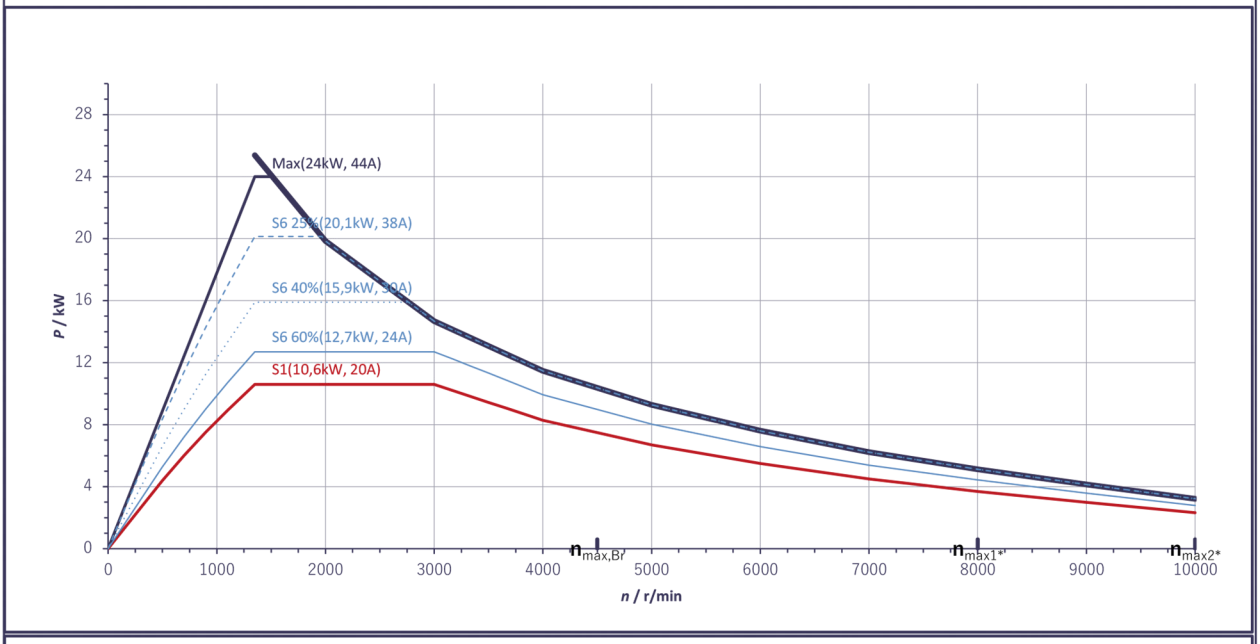
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1150	9,0	75,0	20,0	8000	10000	--	4500	3000	170,0	44	84	21,0
1000	7,9	75	20,0					3550				

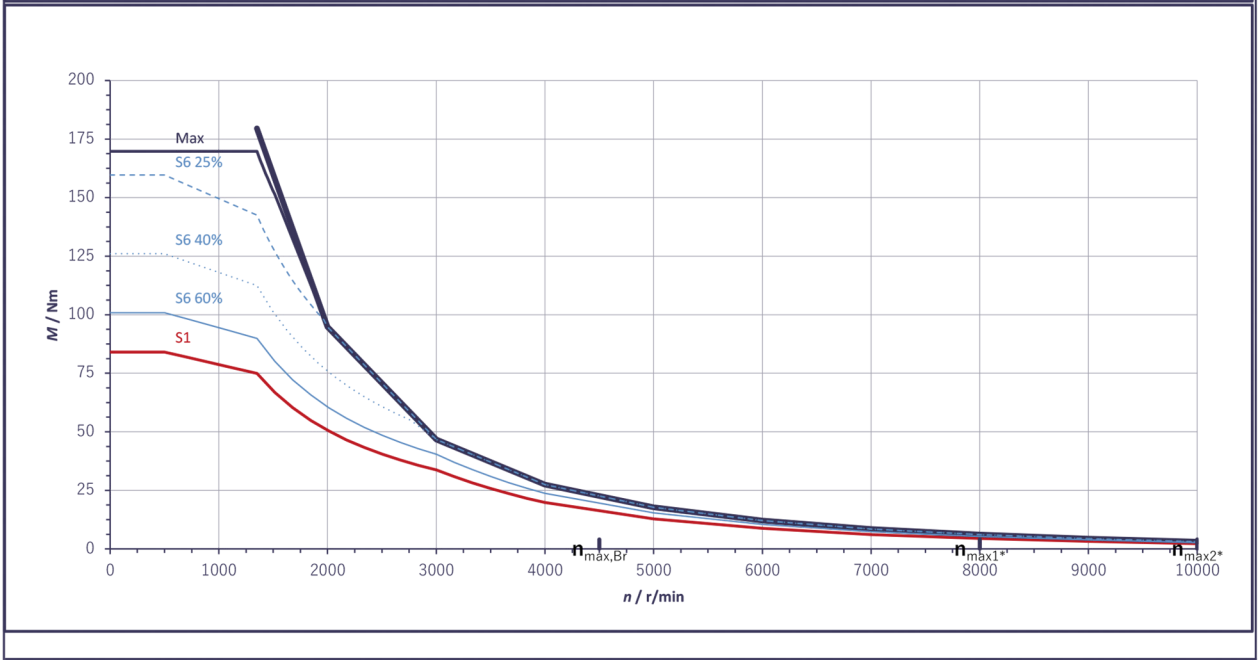




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8131-1□D0, 1PH8131-1□D1, 1PH8131-3□D0, 1PH8131-3□D1 in Star-connection

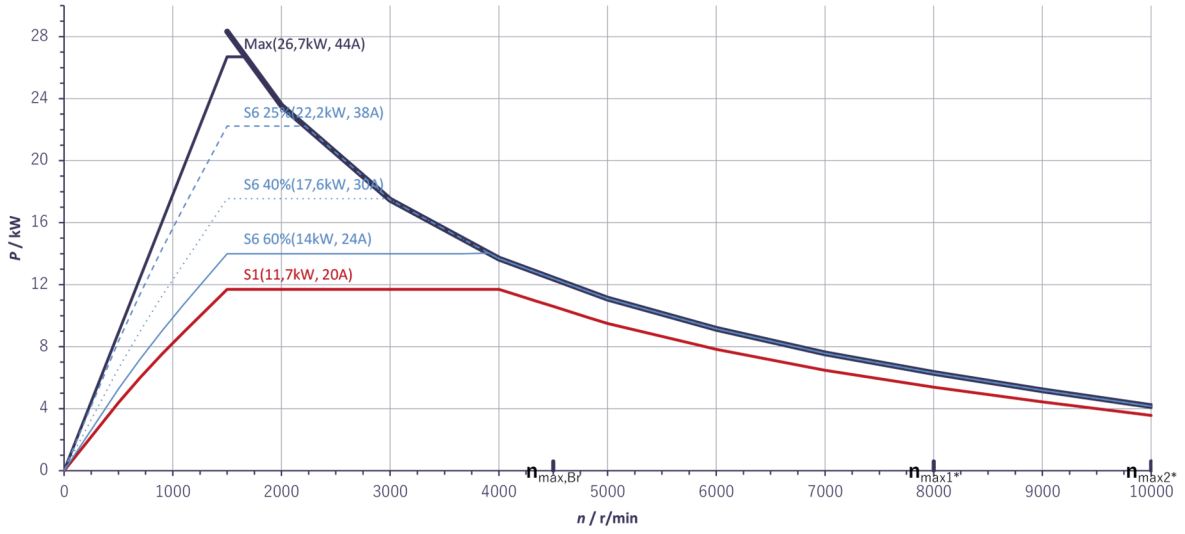
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1350	10,6	75,0	20,0	8000	10000	--	4500	3000	170,0	44	84	21,0

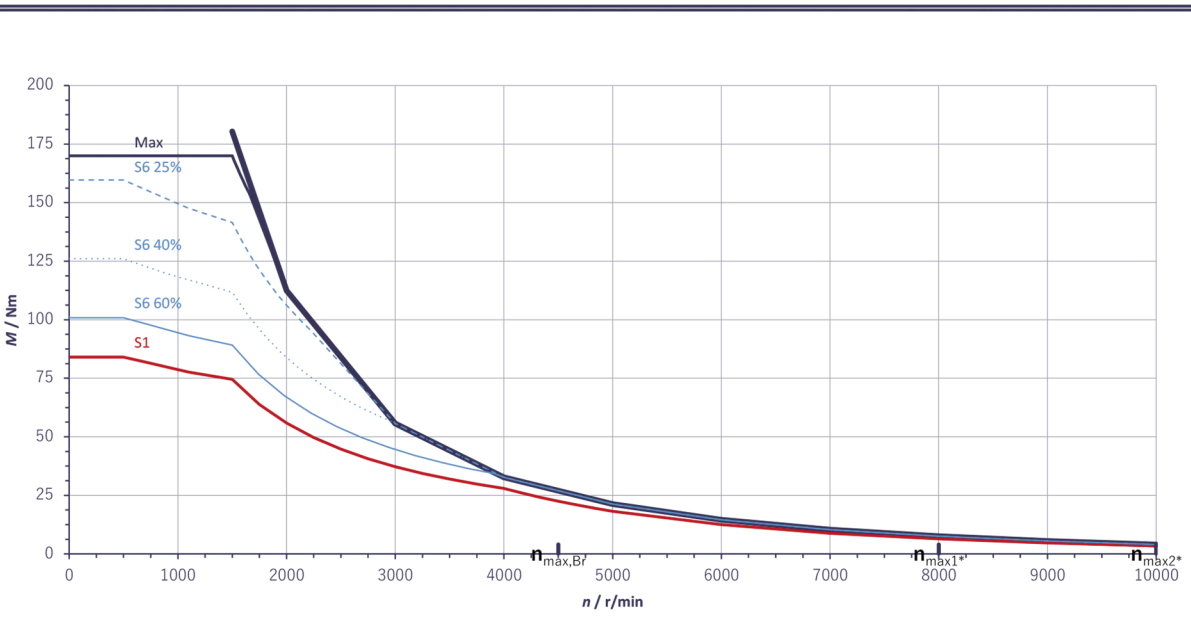




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8131-1□D0, 1PH8131-1□D1, 1PH8131-3□D0, 1PH8131-3□D1 in Star-connection

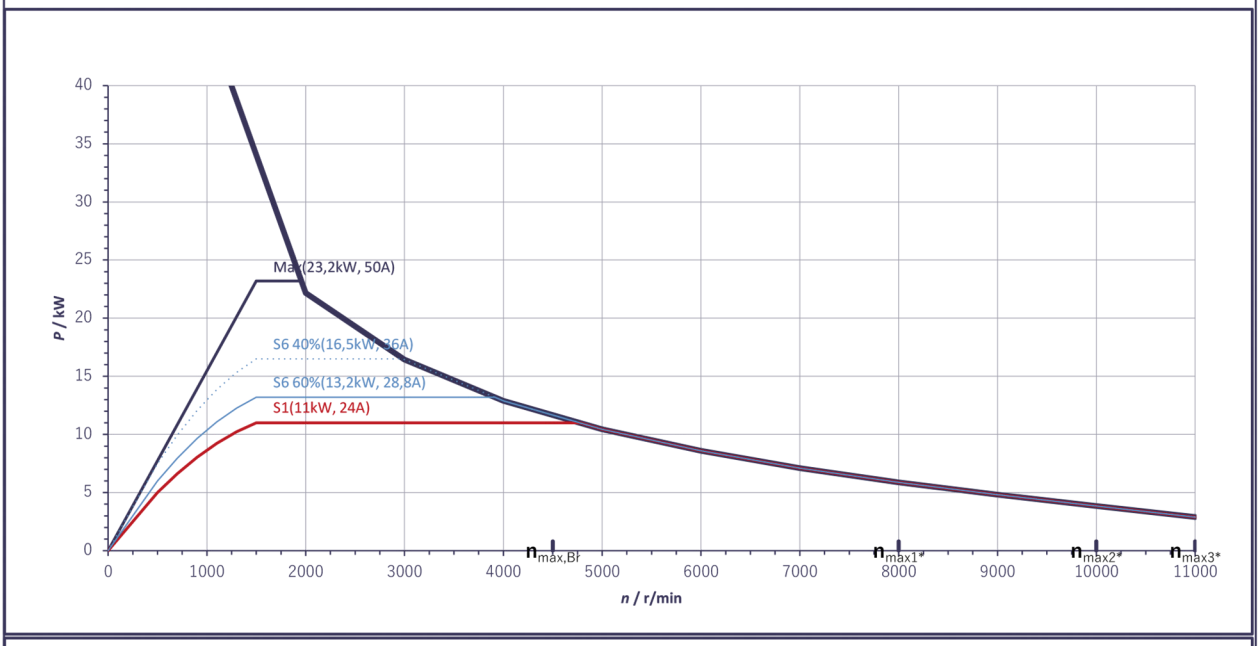
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	11,7	74,0	20,0	8000	10000	--	4500	4000	170,0	44	84	21,0

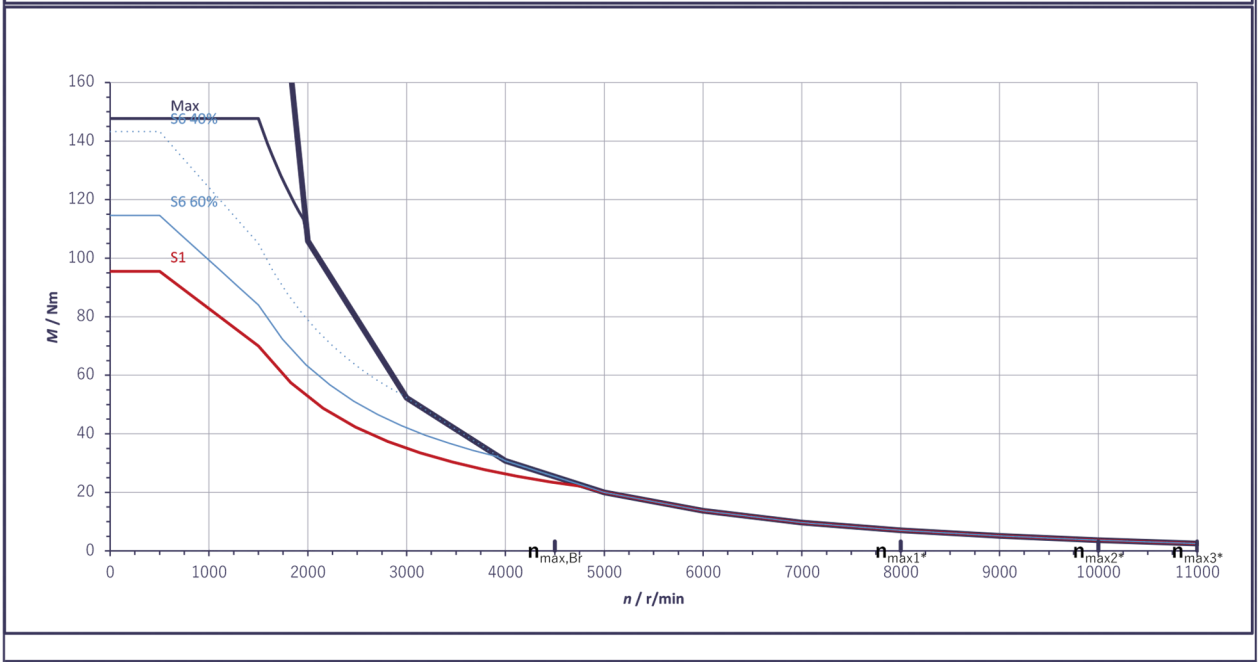




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8131-1□F0, 1PH8131-1□F1, 1PH8131-3□F0, 1PH8131-3□F1 in Star-connection

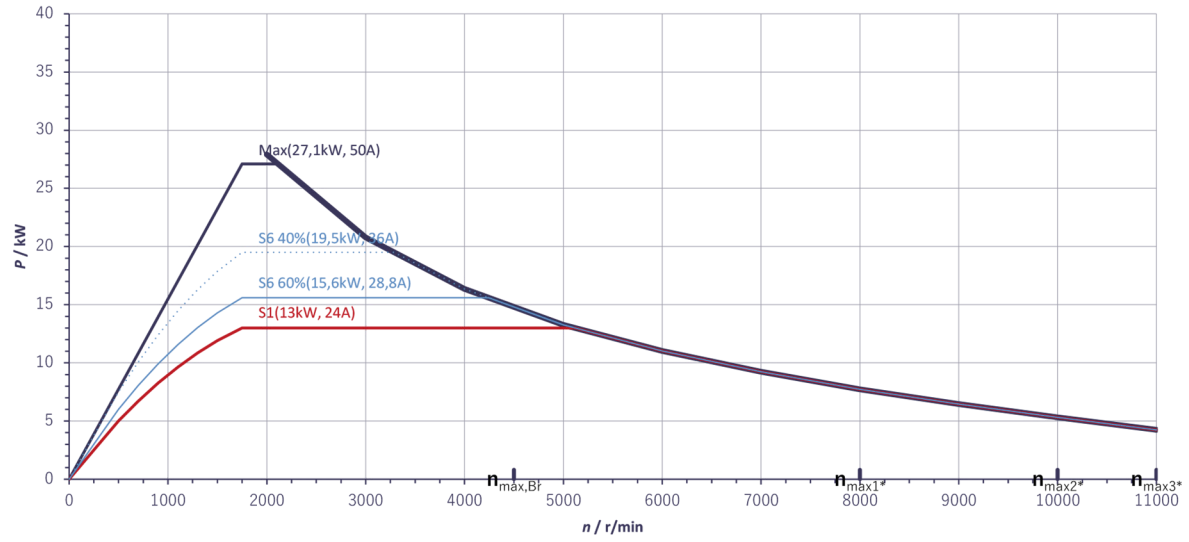
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	11,0	70,0	24,0	8000	10000	11000	4500	4800	148,0	50	96	30,0

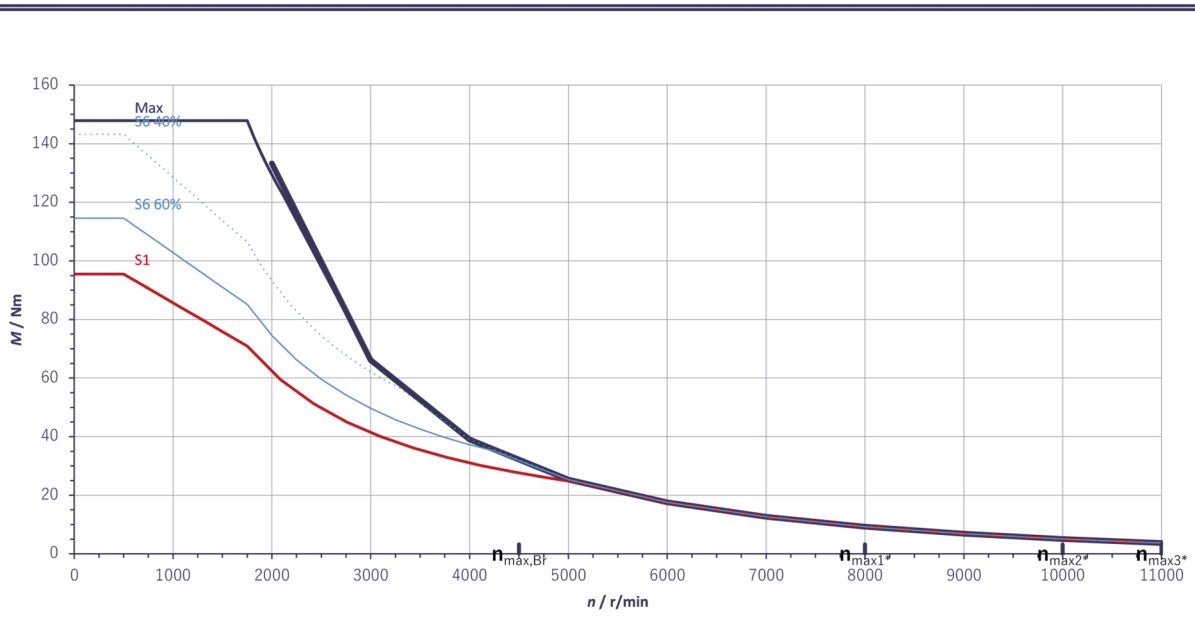




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8131-1□F0, 1PH8131-1□F1, 1PH8131-3□F0, 1PH8131-3□F1 in Star-connection

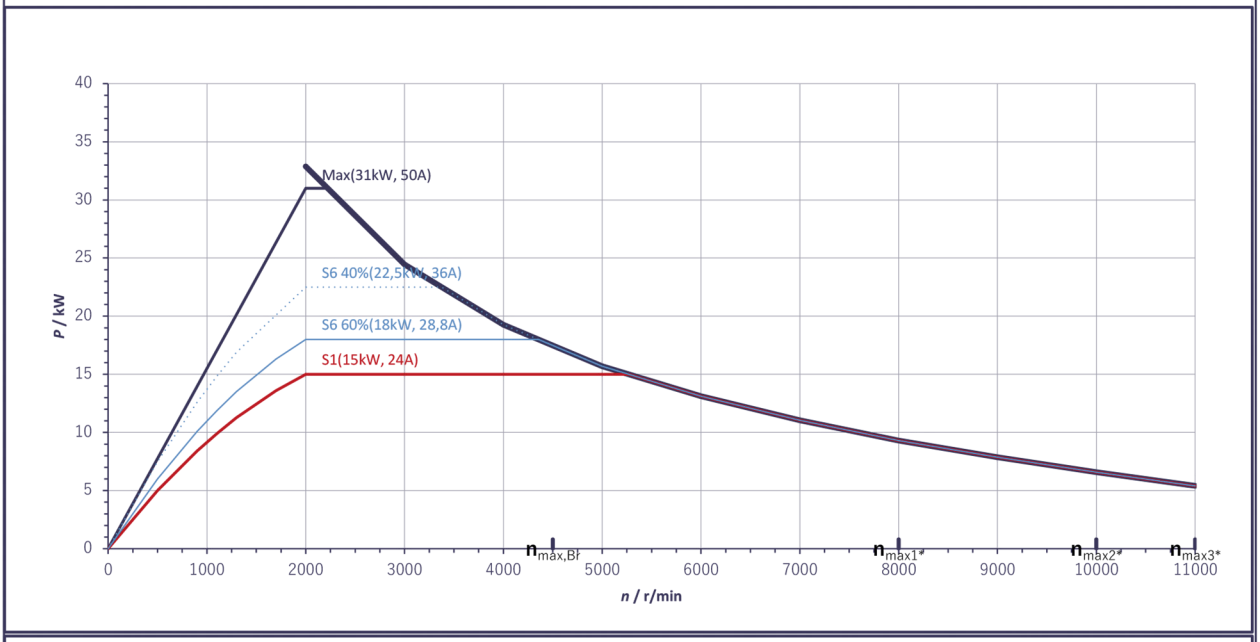
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	13,0	71,0	24,0	8000	10000	11000	4500	5150	148,0	50	96	30,0
1500	11,0	70	24,0					6050				

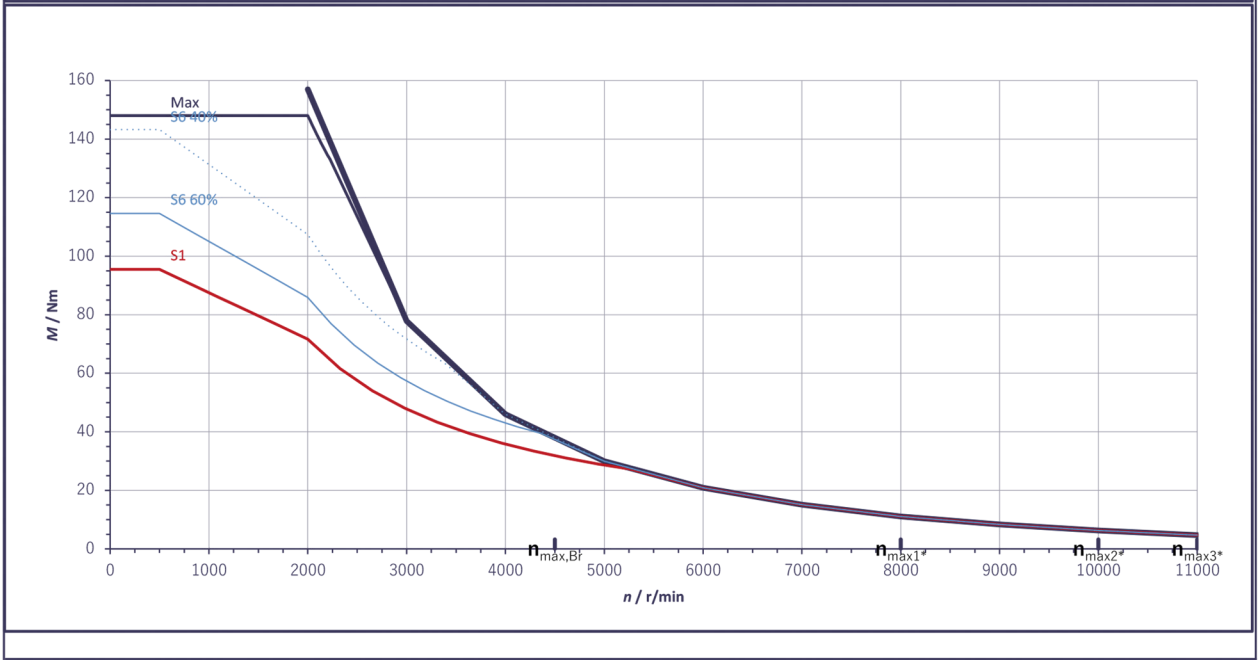




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8131-1□F0, 1PH8131-1□F1, 1PH8131-3□F0, 1PH8131-3□F1 in Star-connection

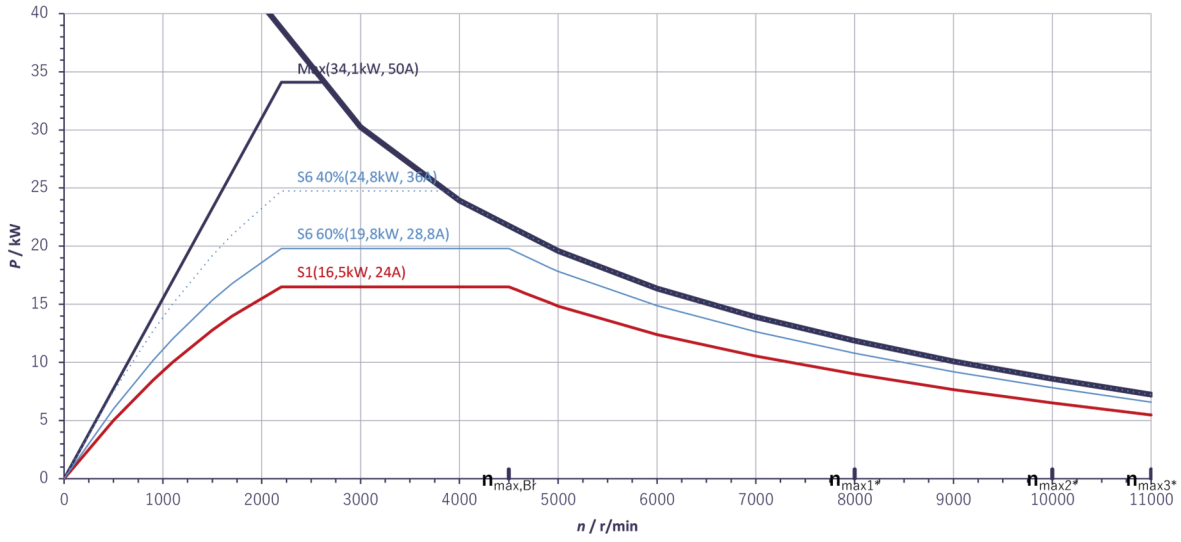
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	15,0	72,0	24,0	8000	10000	11000	4500	5300	148,0	50	96	30,0

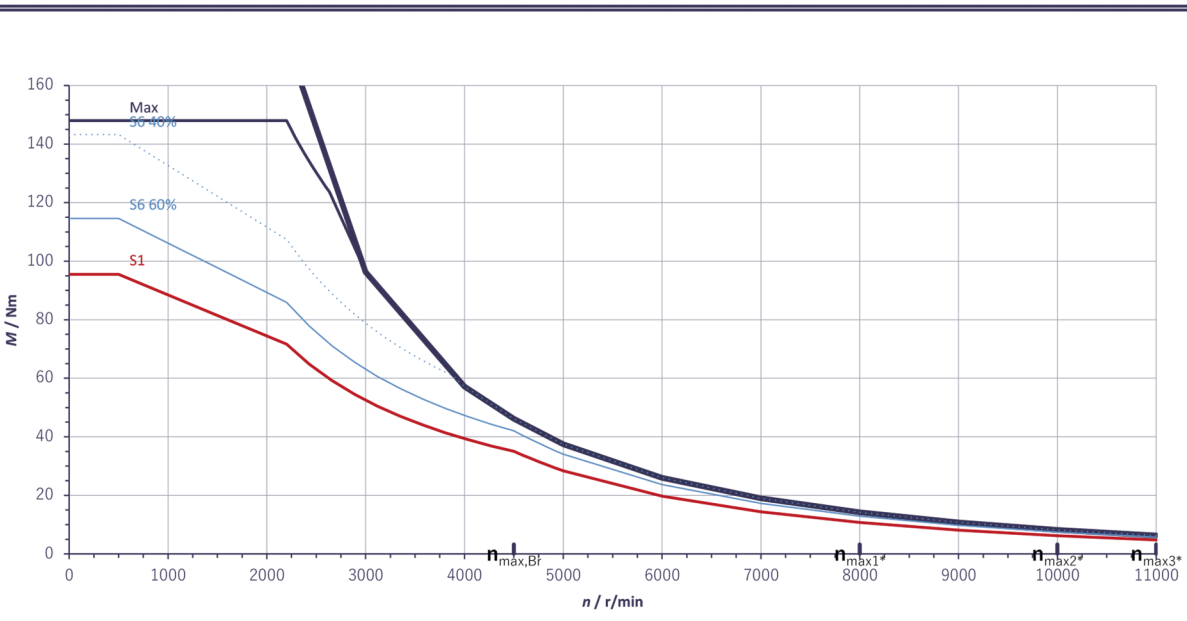




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8131-1□F0, 1PH8131-1□F1, 1PH8131-3□F0, 1PH8131-3□F1 in Star-connection

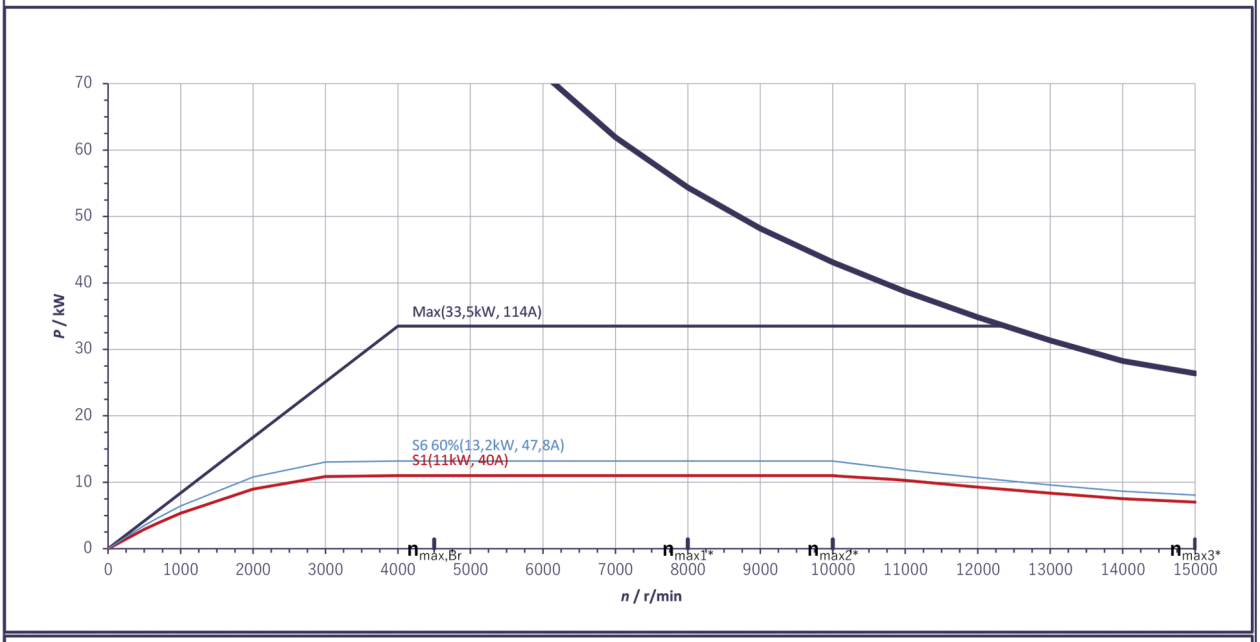
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	16,5	72,0	24,0	8000	10000	11000	4500	4500	148,0	50	96	30,0

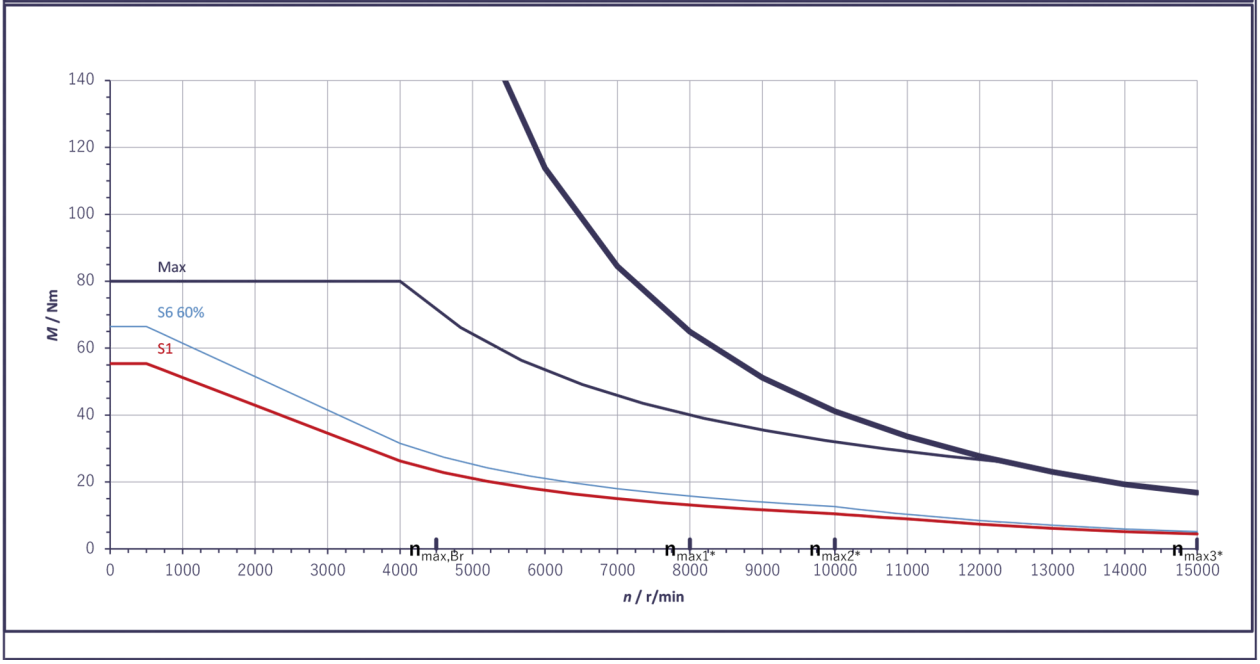




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8131-1□S0, 1PH8131-1□S1, 1PH8131-1□S7, 1PH8131-3□S0, 1PH8131-3□S1, 1PH8131-3□S7 in Delta-connection

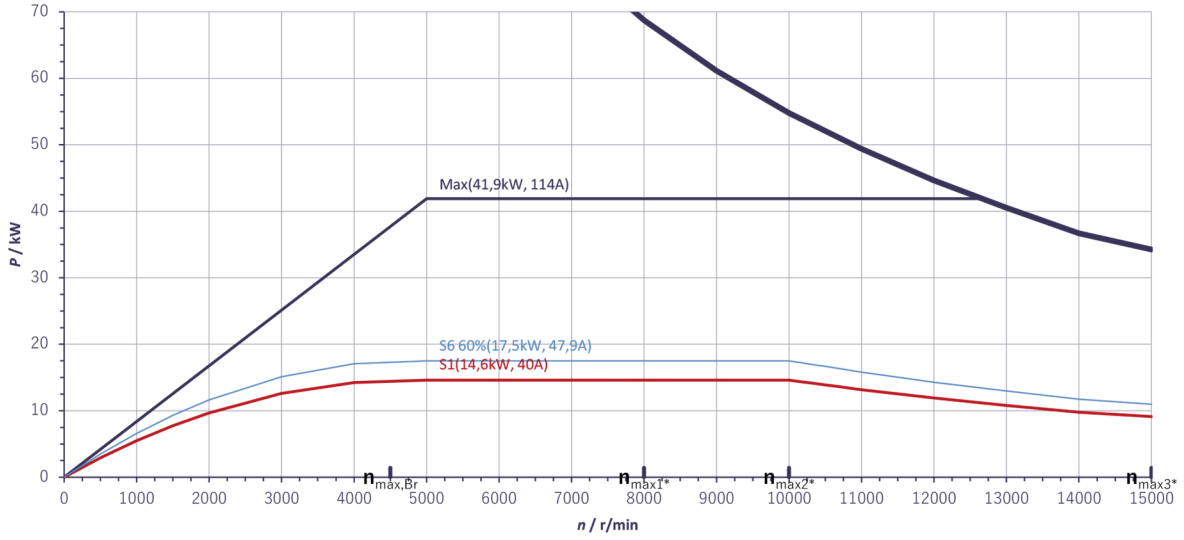
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
4000	11,0	26,0	40,0	8000	10000	15000	4500	10000	80,0	114	55	56,0

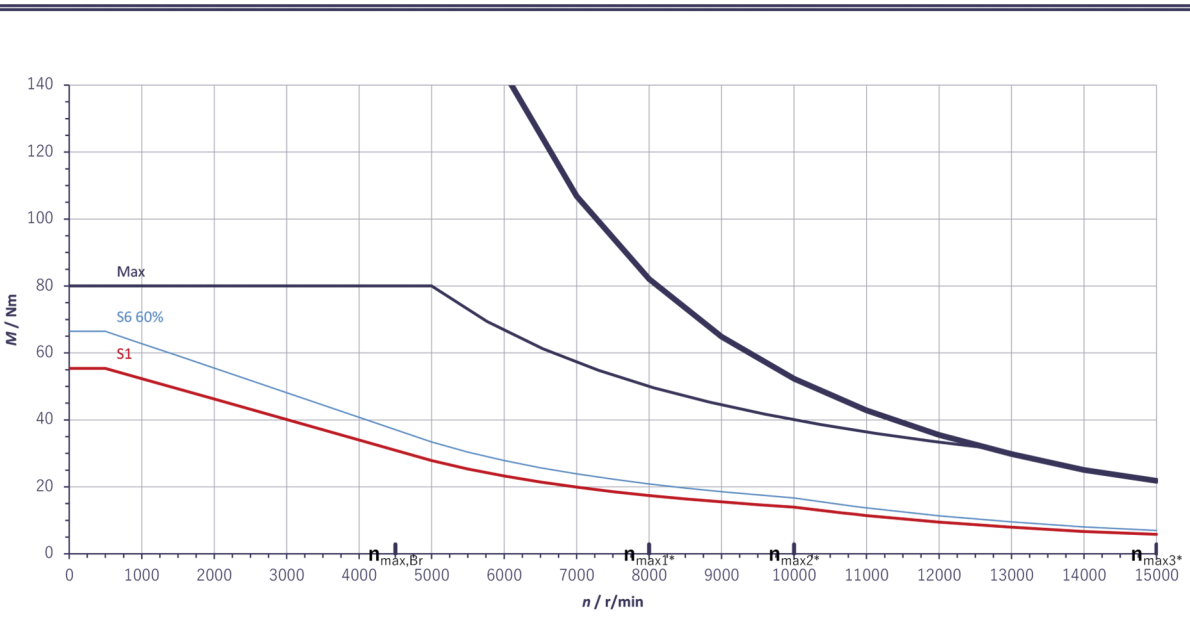




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8131-1□S0, 1PH8131-1□S1, 1PH8131-1□S7, 1PH8131-3□S0, 1PH8131-3□S1, 1PH8131-3□S7 in Delta-connection

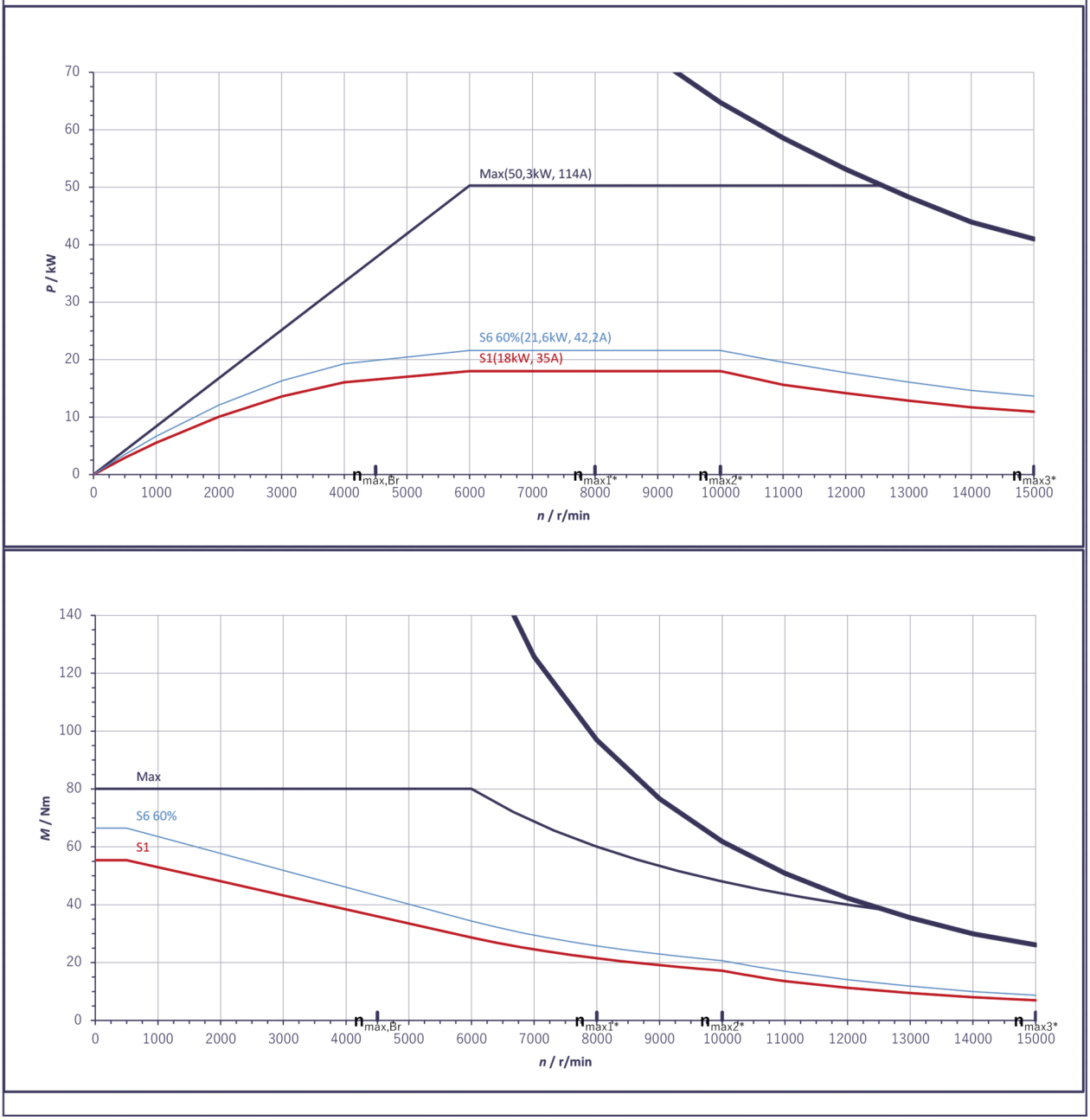
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
5000	14,6	28,0	40,0	8000	10000	15000	4500	10000	80,0	114	55	56,0
4000	11,0	26	40,0					13000				





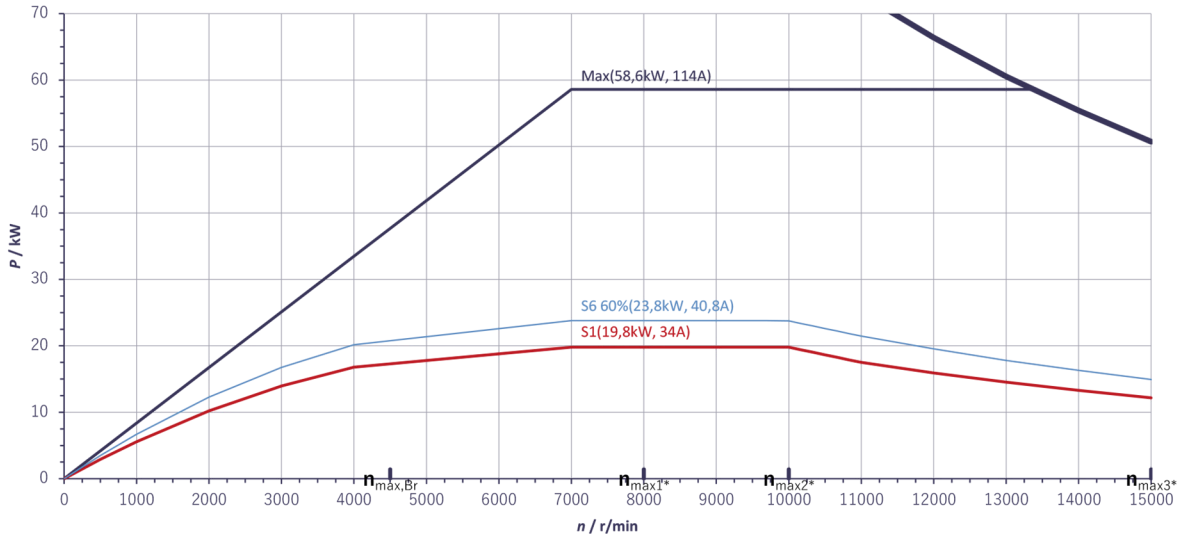
SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8131-1□S0, 1PH8131-1□S1, 1PH8131-1□S7, 1PH8131-3□S0, 1PH8131-3□S1, 1PH8131-3□S7 in Delta-connection

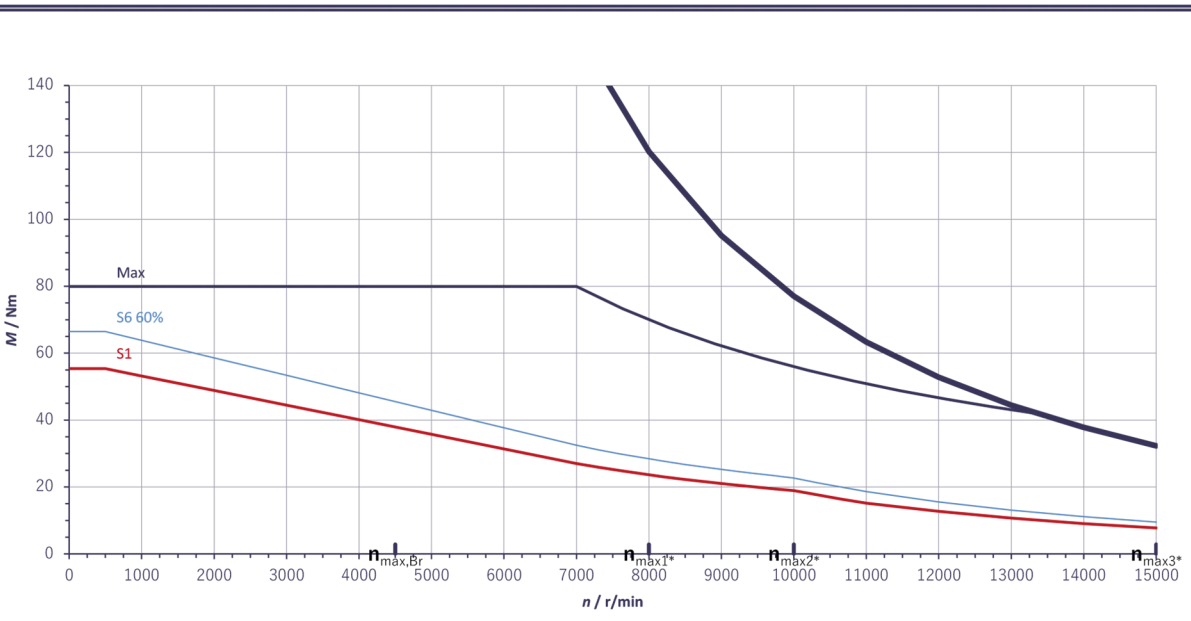
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
6000	18,0	29,0	35,0	8000	10000	15000	4500	10000	80,0	114	55	56,0



SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8131-1□S0, 1PH8131-1□S1, 1PH8131-1□S7, 1PH8131-3□S0, 1PH8131-3□S1, 1PH8131-3□S7 in Delta-connection

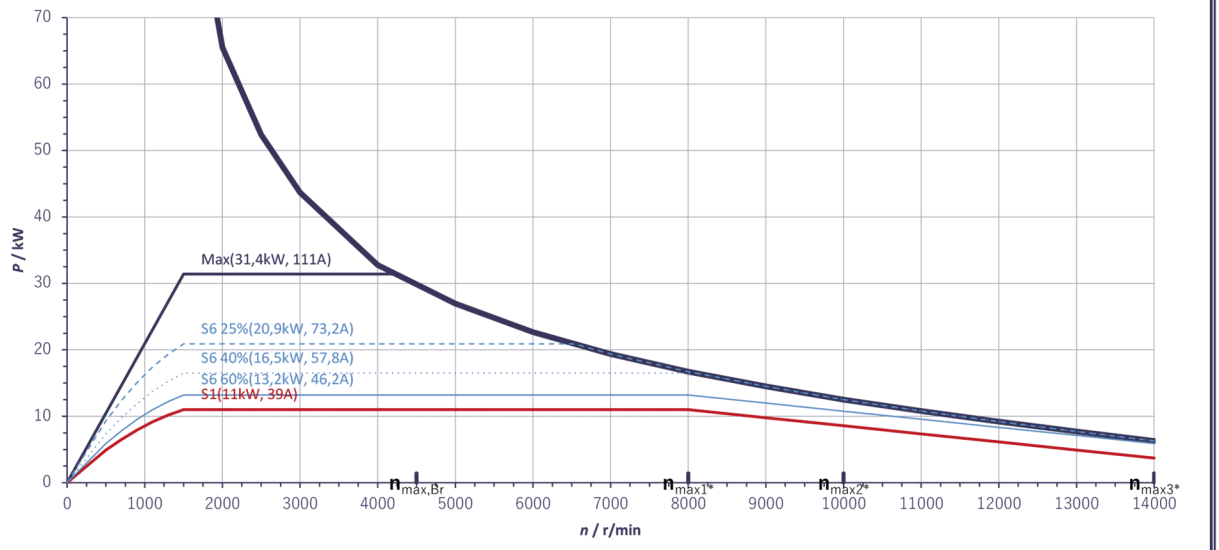
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
7000	19,8	27,0	34,0	8000	10000	15000	4500	10000	80,0	114	55	56,0

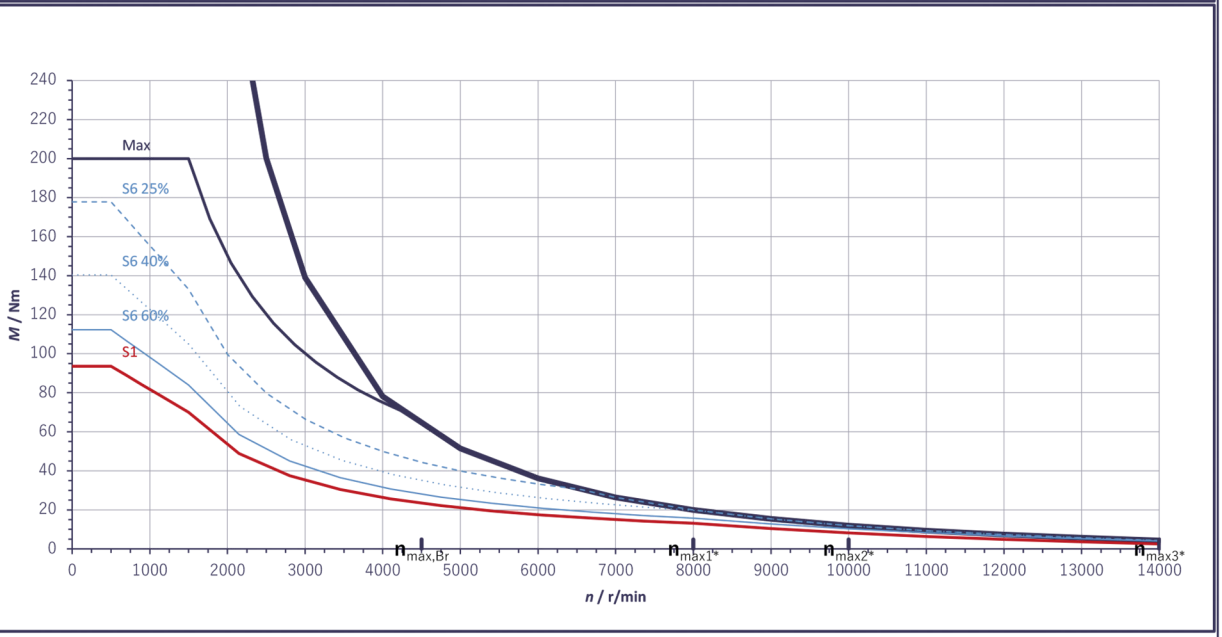




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8131-1□S0, 1PH8131-1□S1, 1PH8131-1□S7, 1PH8131-3□S0, 1PH8131-3□S1, 1PH8131-3□S7 in Star-connection

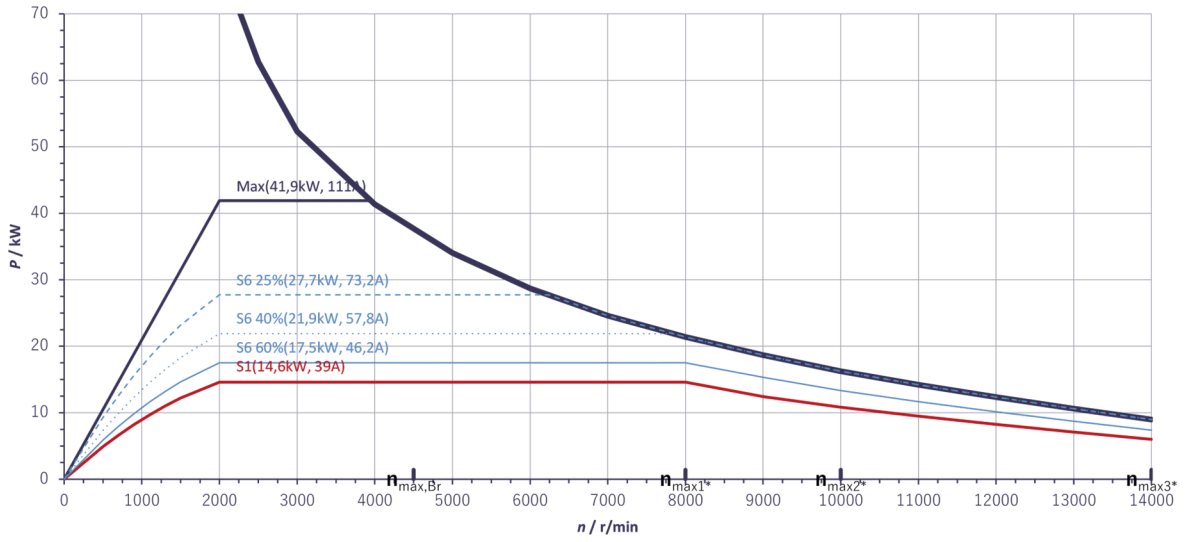
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	11,0	70,0	39,0	8000	10000	14000	4500	8000	200,0	111	94	47,0

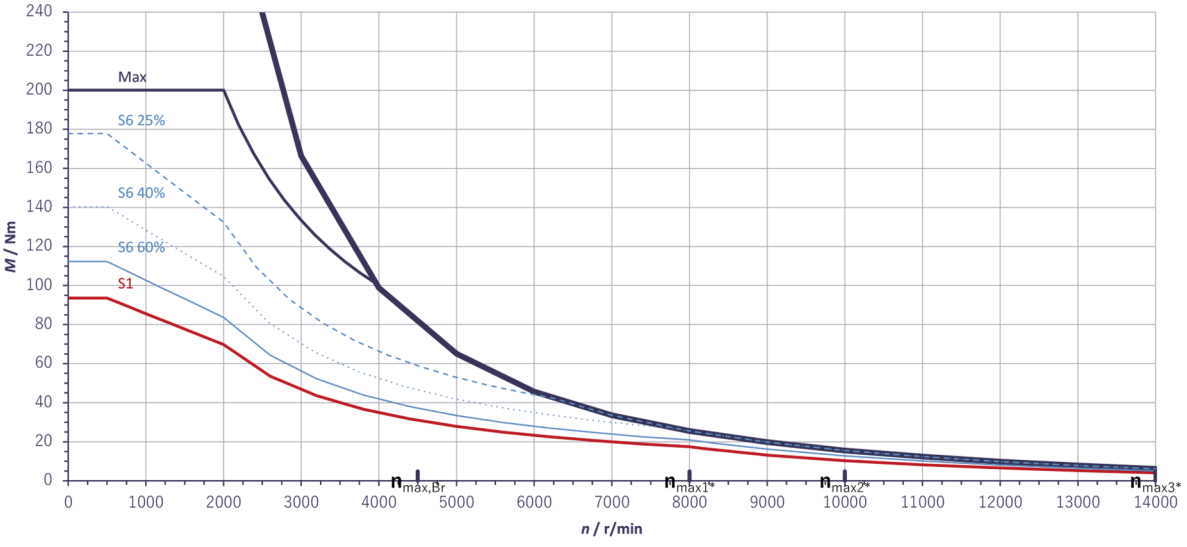




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8131-1□S0, 1PH8131-1□S1, 1PH8131-1□S7, 1PH8131-3□S0, 1PH8131-3□S1, 1PH8131-3□S7 in Star-connection

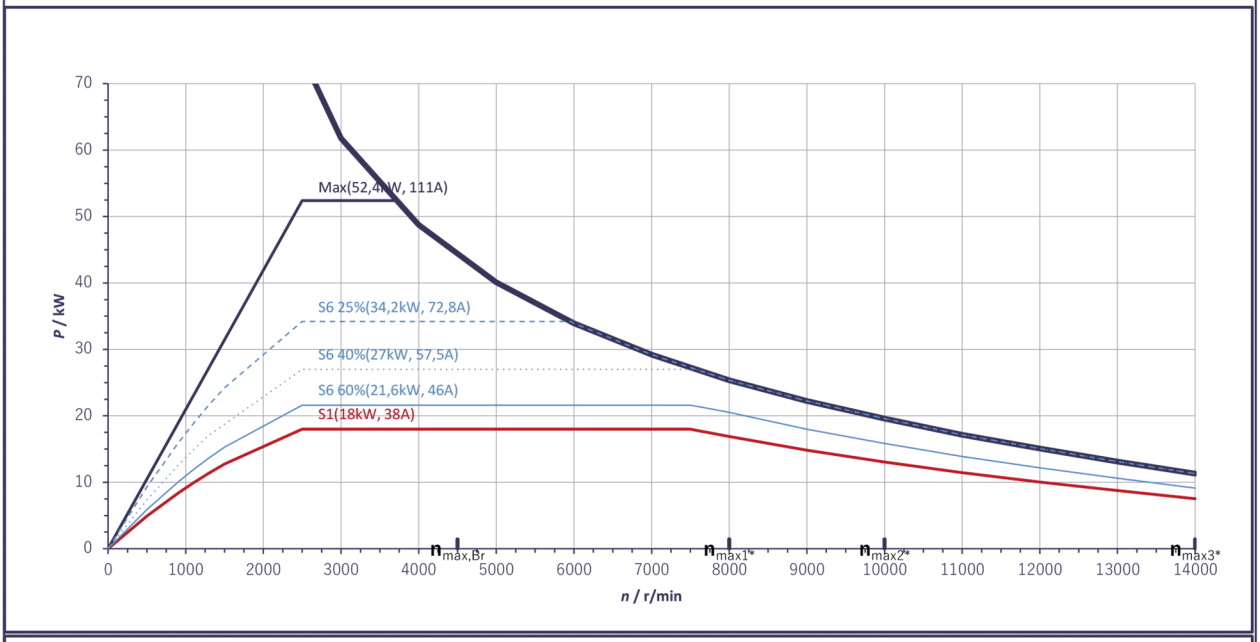
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	14,6	70,0	39,0	8000	10000	14000	4500	8000	200,0	111	94	47,0
1500	11,0	70	39,0					10000				

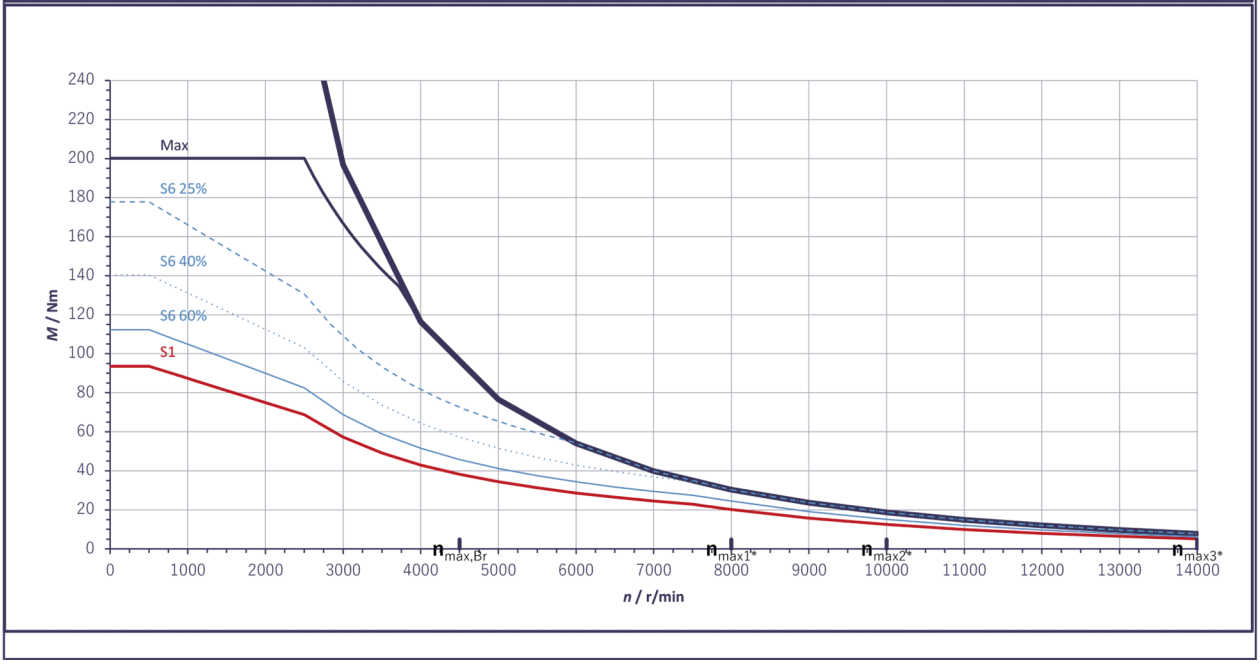




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8131-1□S0, 1PH8131-1□S1, 1PH8131-1□S7, 1PH8131-3□S0, 1PH8131-3□S1, 1PH8131-3□S7 in Star-connection

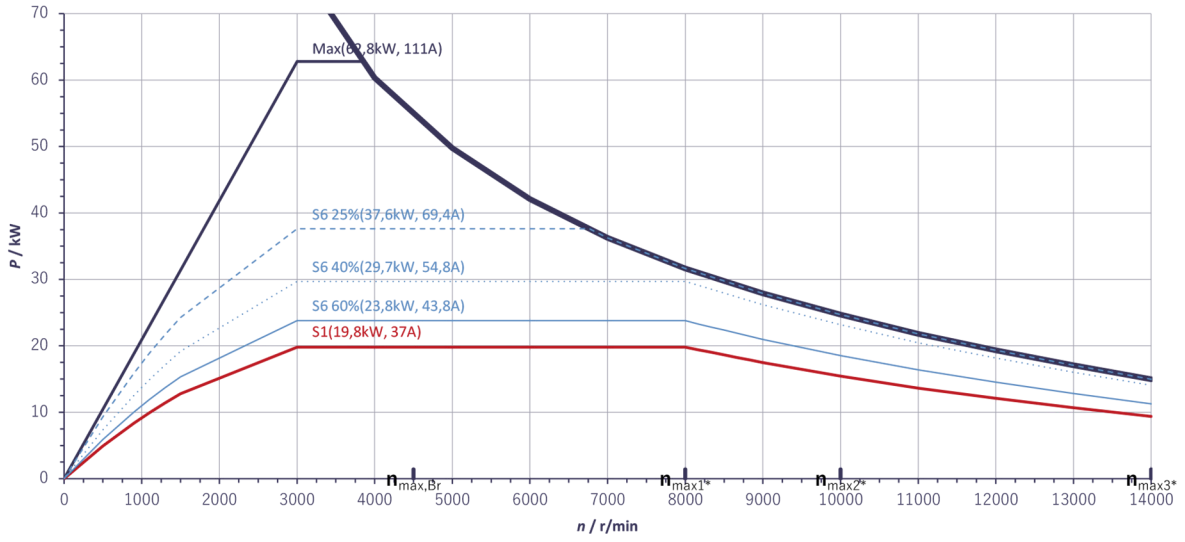
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2500	18,0	69,0	38,0	8000	10000	14000	4500	7500	200,0	111	94	47,0

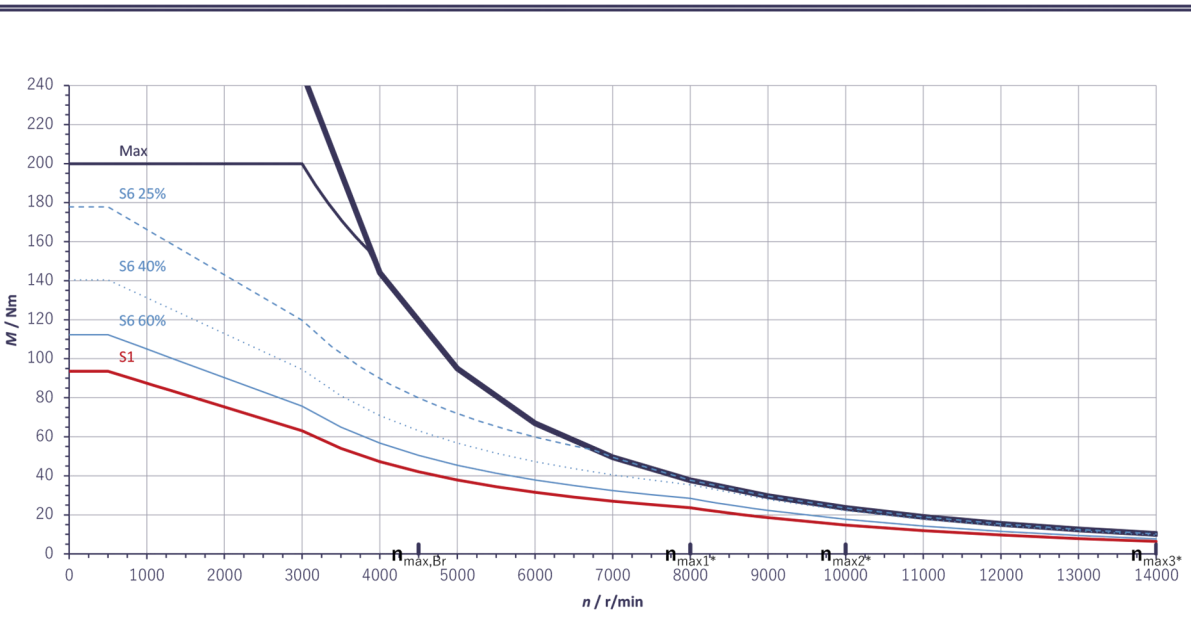




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8131-1□S0, 1PH8131-1□S1, 1PH8131-1□S7, 1PH8131-3□S0, 1PH8131-3□S1, 1PH8131-3□S7 in Star-connection

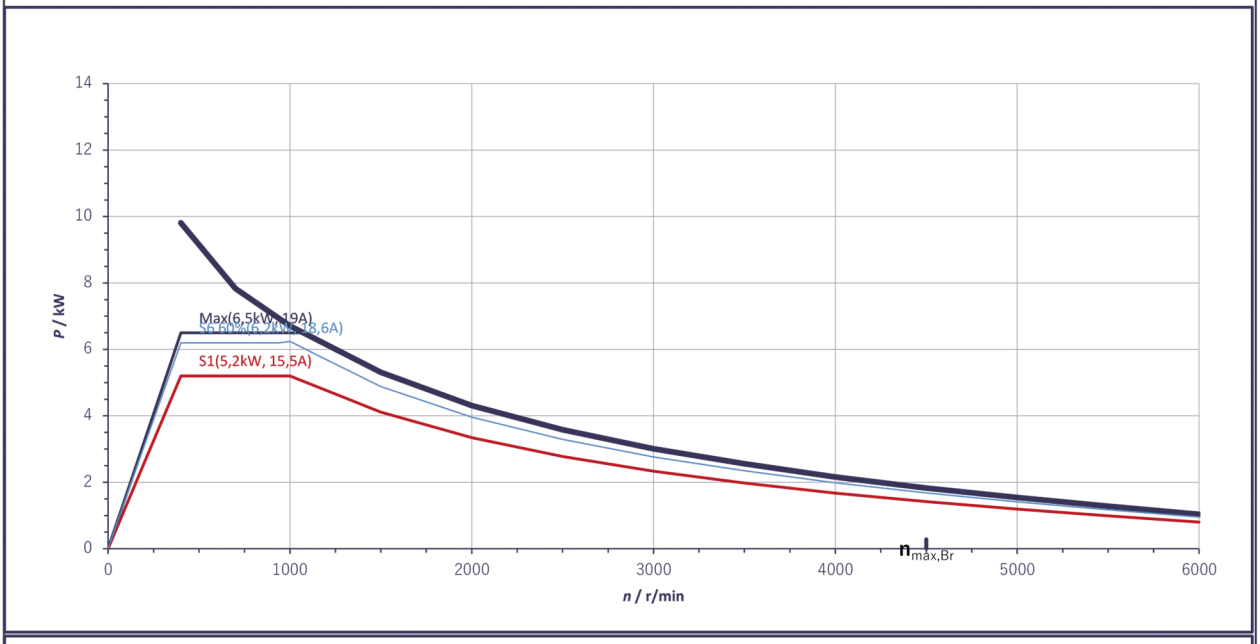
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3000	19,8	63,0	36,5	8000	10000	14000	4500	8000	200,0	111	94	47,0

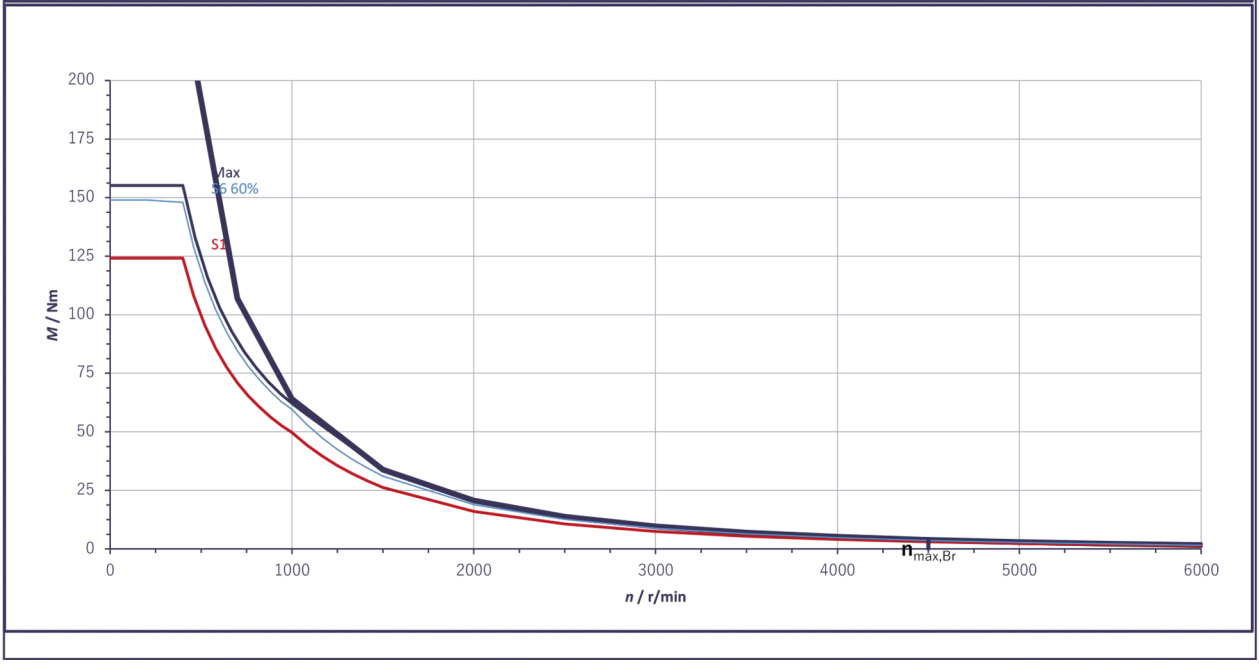




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8133-1□B0, 1PH8133-1□B1, 1PH8133-3□B0, 1PH8133-3□B1 in Star-connection

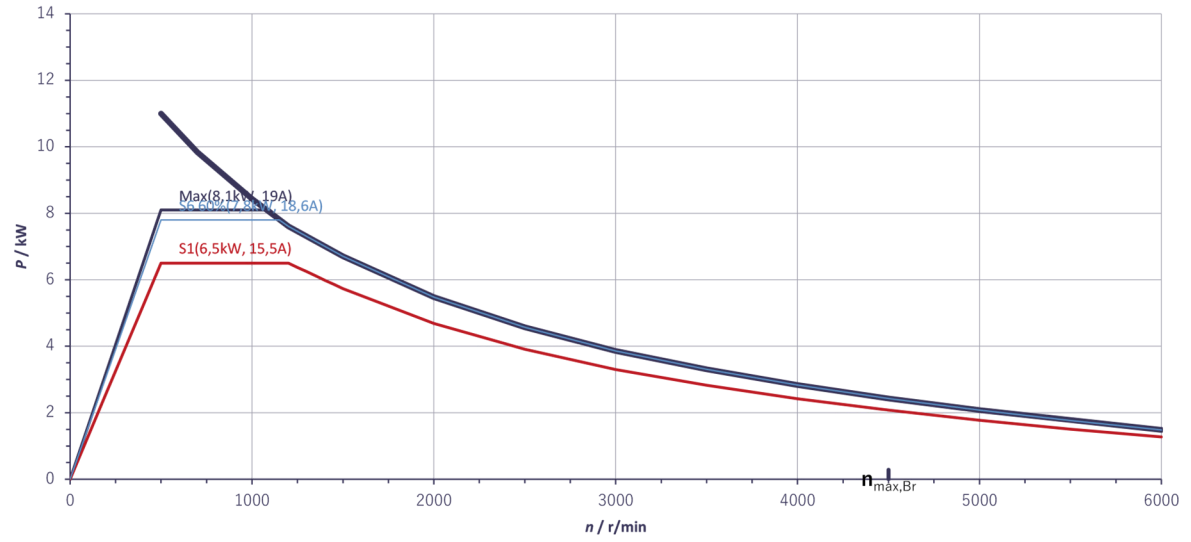
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
400	5,2	124,0	15,5	--	--	--	4500	1000	155,0	19	124	15,6

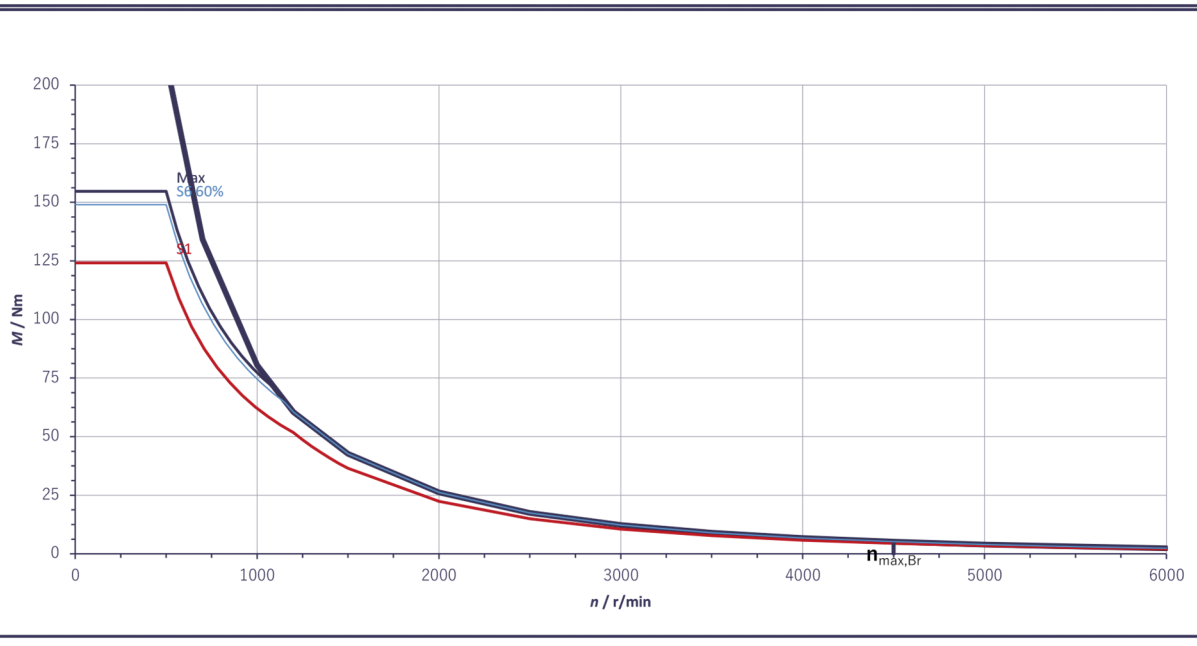




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8133-1□B0, 1PH8133-1□B1, 1PH8133-3□B0, 1PH8133-3□B1 in Star-connection

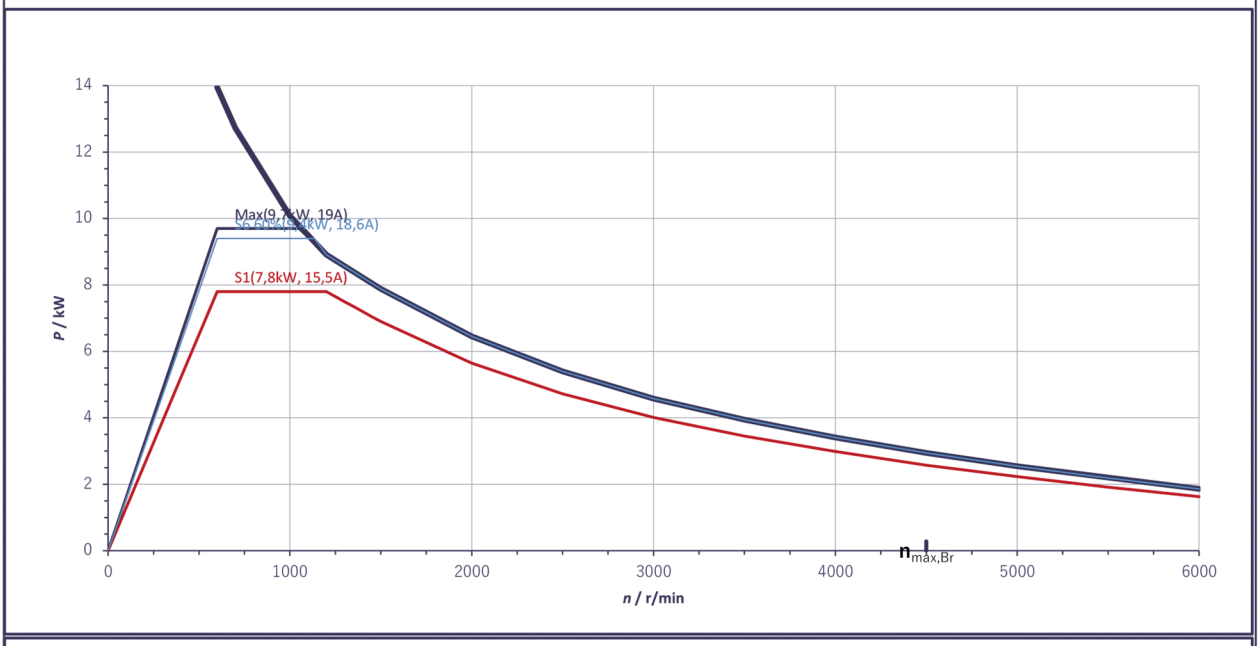
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
500	6,5	124,0	15,5	--	--	--	4500	1200	155,0	19	124	15,6
400	5,2	124	15,5					1650				

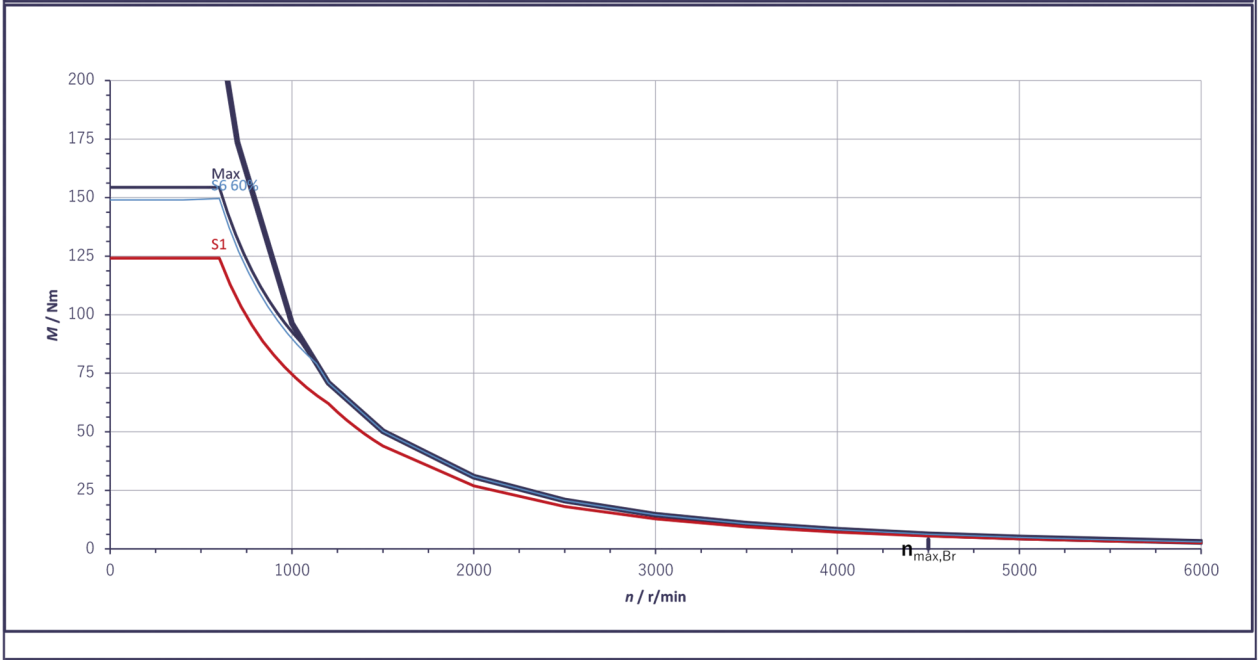




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8133-1□B0, 1PH8133-1□B1, 1PH8133-3□B0, 1PH8133-3□B1 in Star-connection

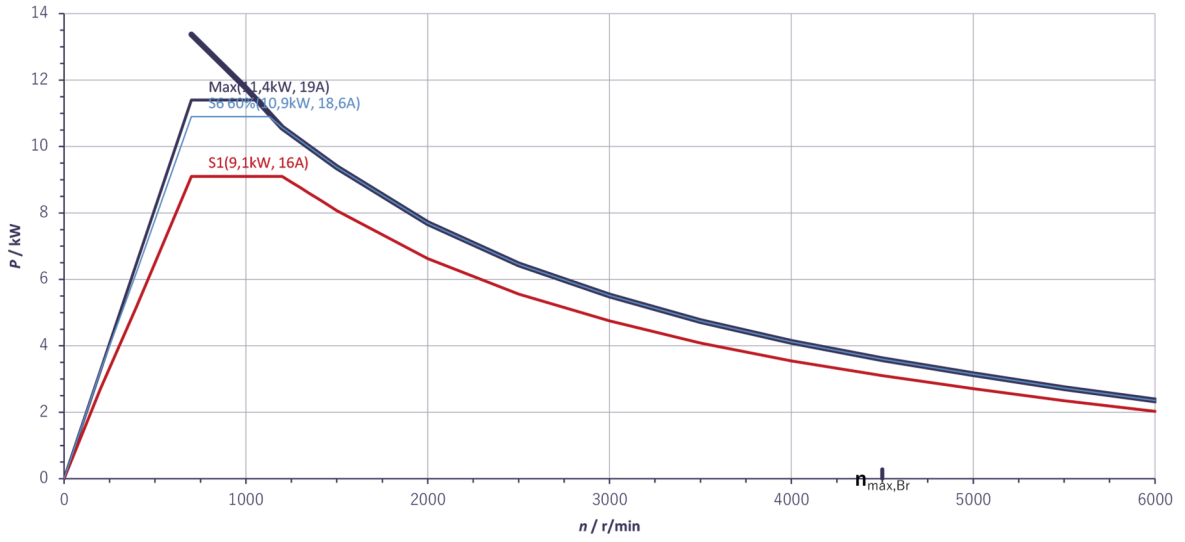
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
600	7,8	124,0	15,5	--	--	--	4500	1200	155,0	19	124	15,6

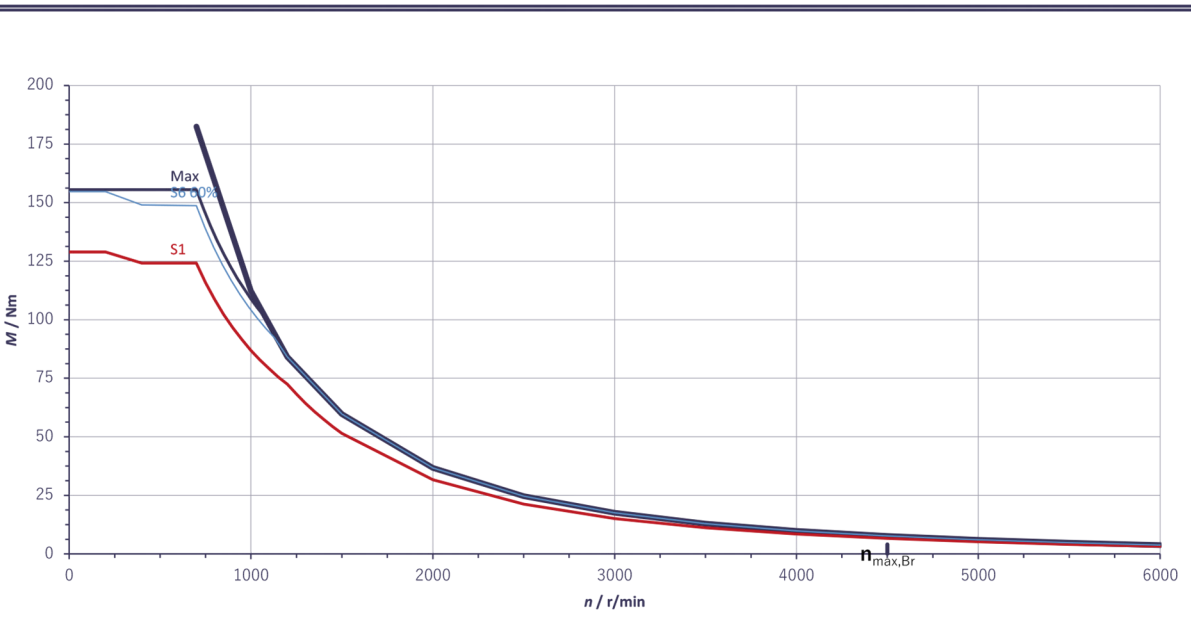




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8133-1□B0, 1PH8133-1□B1, 1PH8133-3□B0, 1PH8133-3□B1 in Star-connection

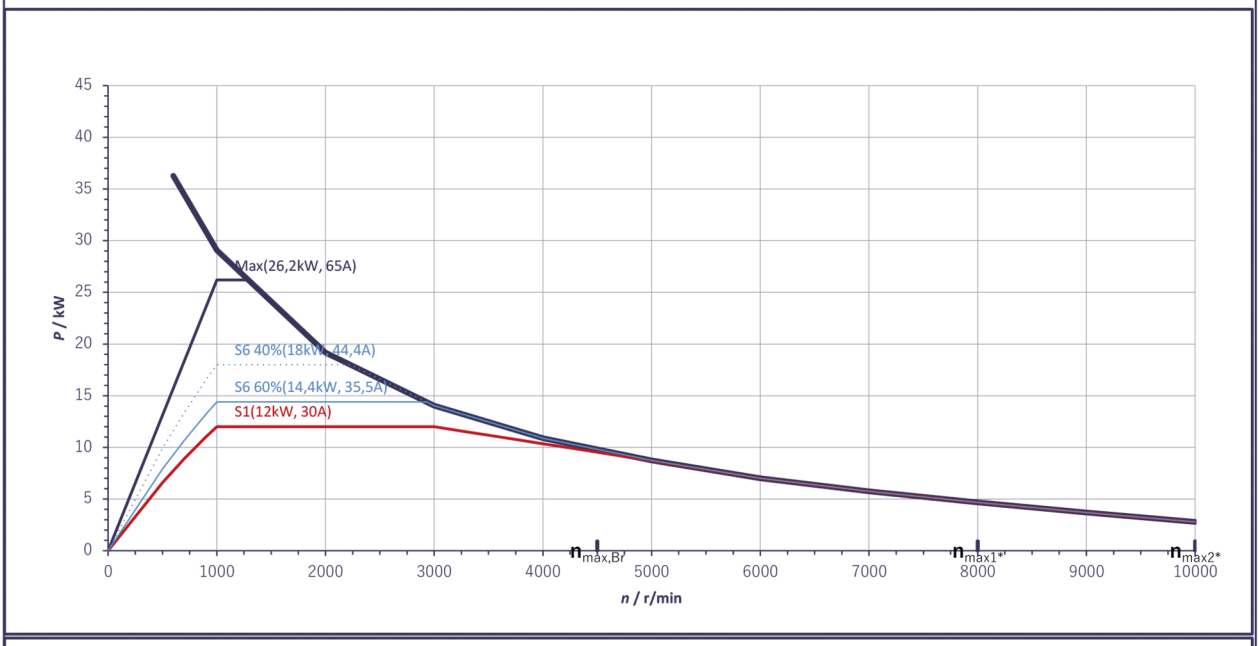
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
700	9,1	124,0	15,5	--	--	--	4500	1200	155,0	19	124	15,6

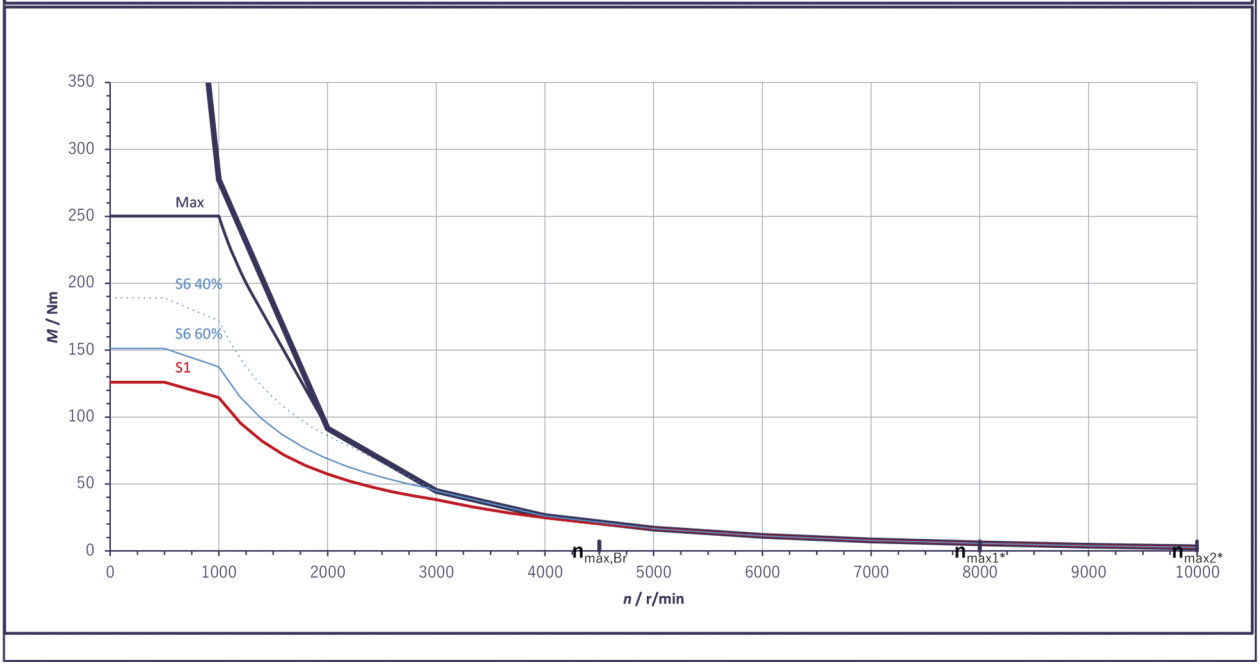




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8133-1□D0, 1PH8133-1□D1, 1PH8133-3□D0, 1PH8133-3□D1 in Star-connection

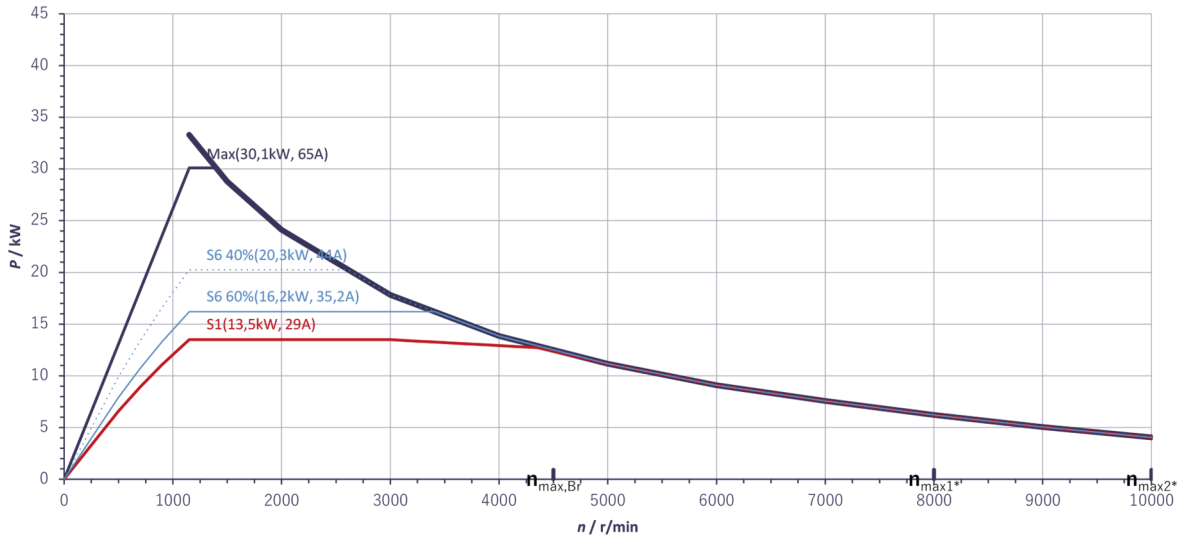
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1000	12,0	115,0	30,0	8000	10000	--	4500	3000	250,0	65	126	32,0

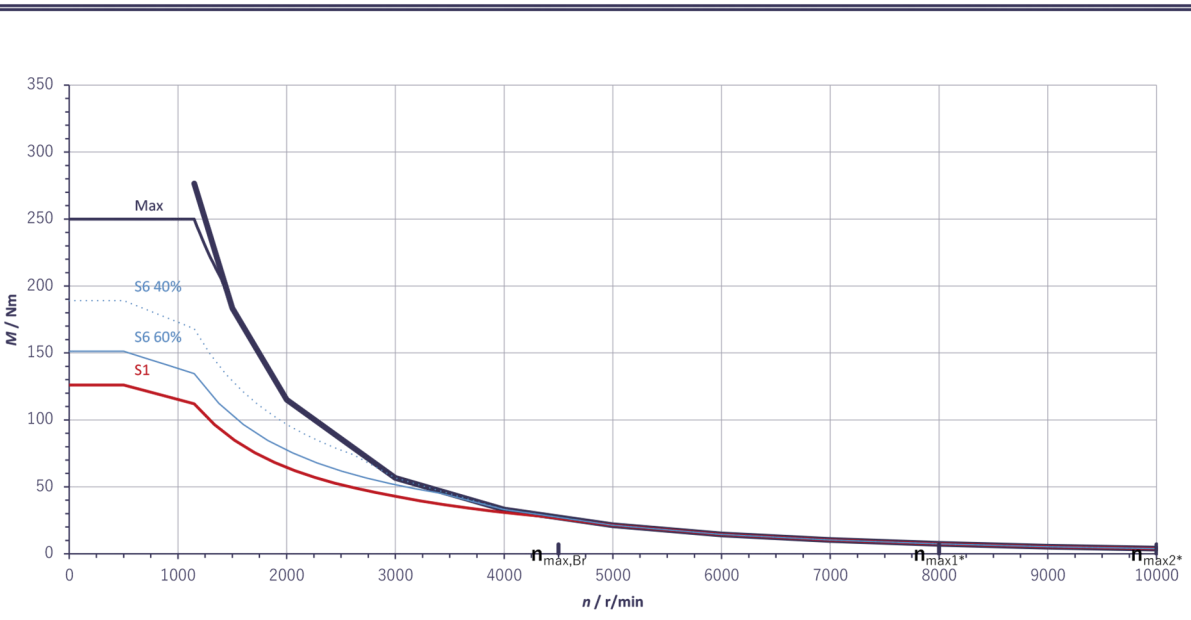




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8133-1□D0, 1PH8133-1□D1, 1PH8133-3□D0, 1PH8133-3□D1 in Star-connection

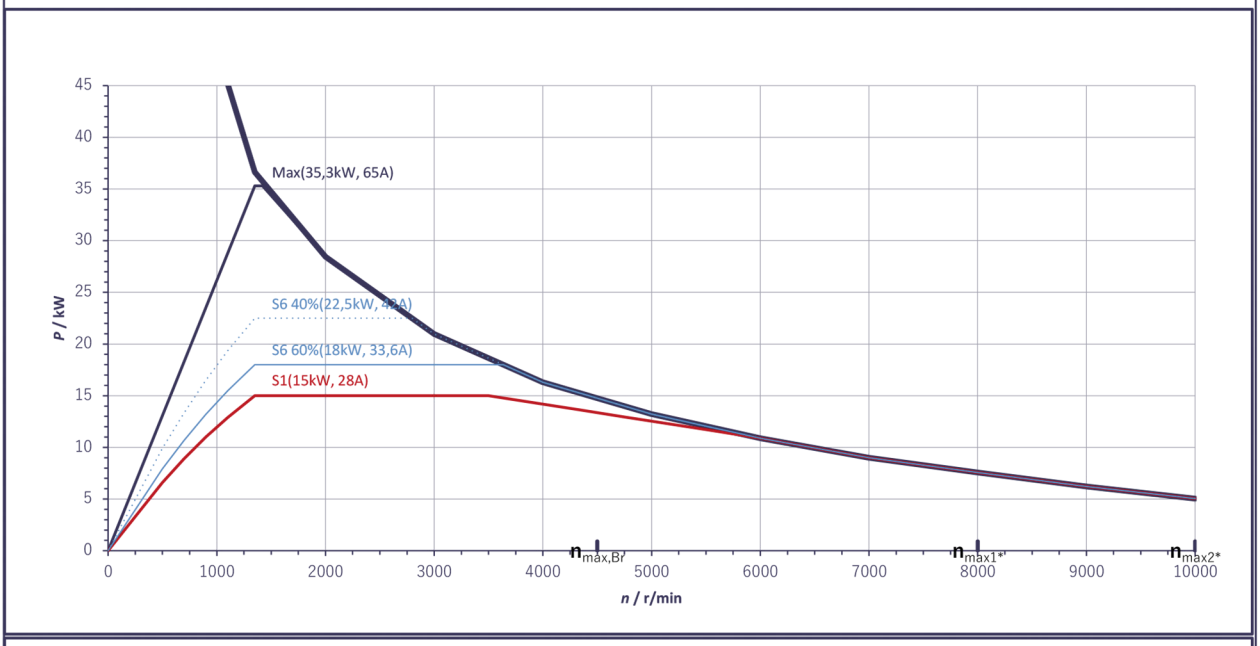
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1150	13,5	112,0	29,0	8000	10000	--	4500	3000	250,0	65	126	32,0
1000	12,0	115	30,0					4600				

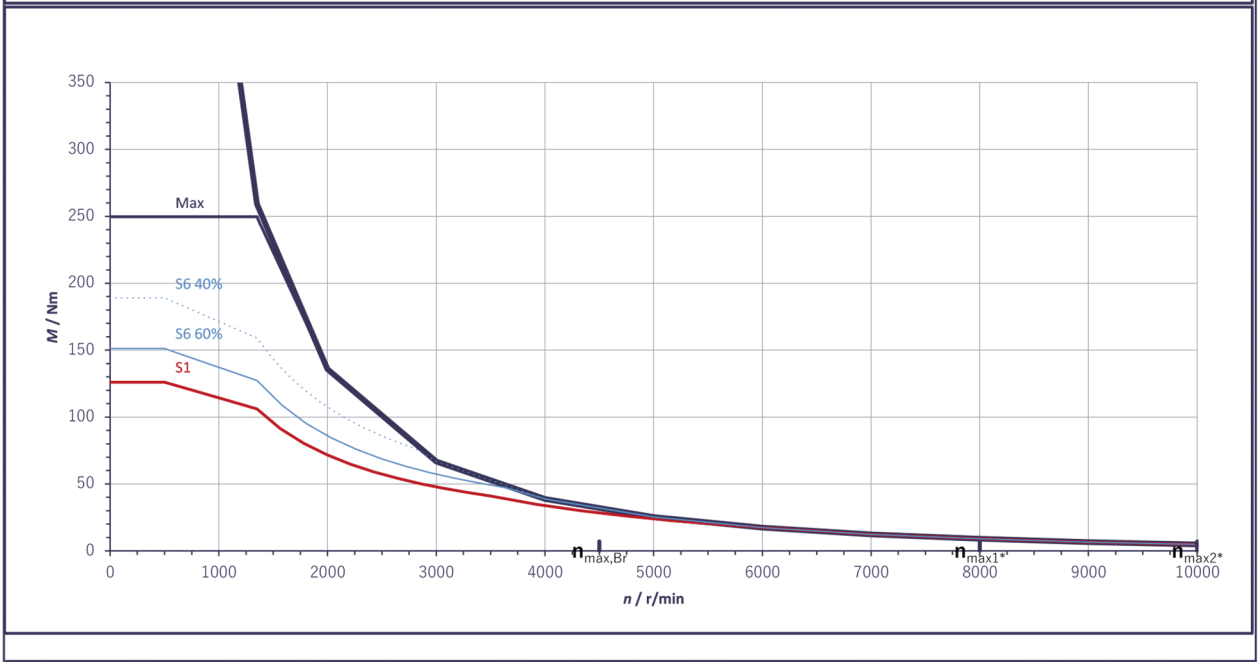




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8133-1□D0, 1PH8133-1□D1, 1PH8133-3□D0, 1PH8133-3□D1 in Star-connection

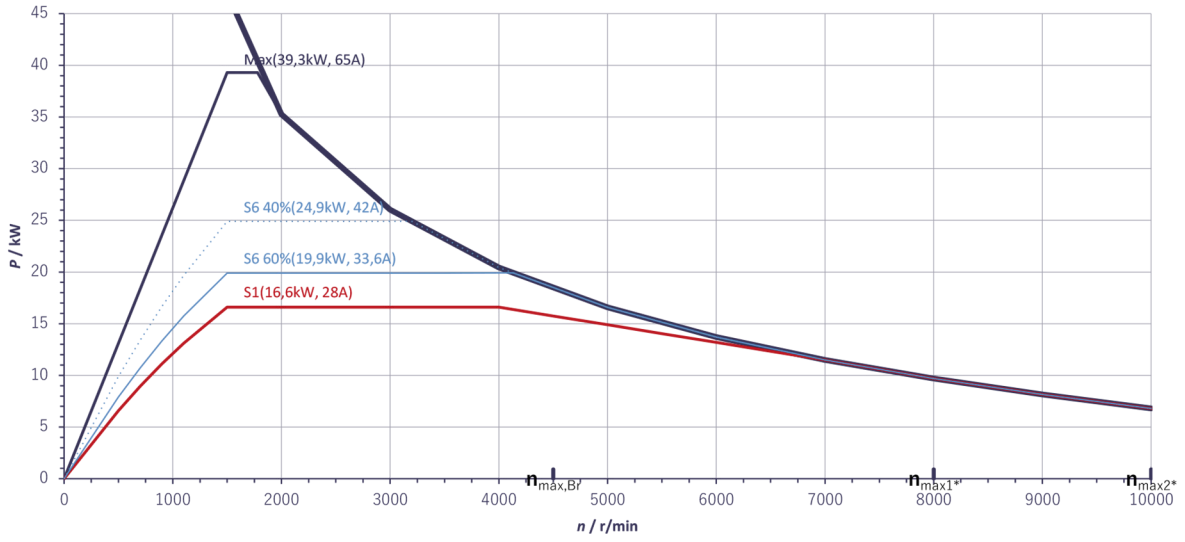
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1350	15,0	106,0	28,0	8000	10000	--	4500	3500	250,0	65	126	32,0

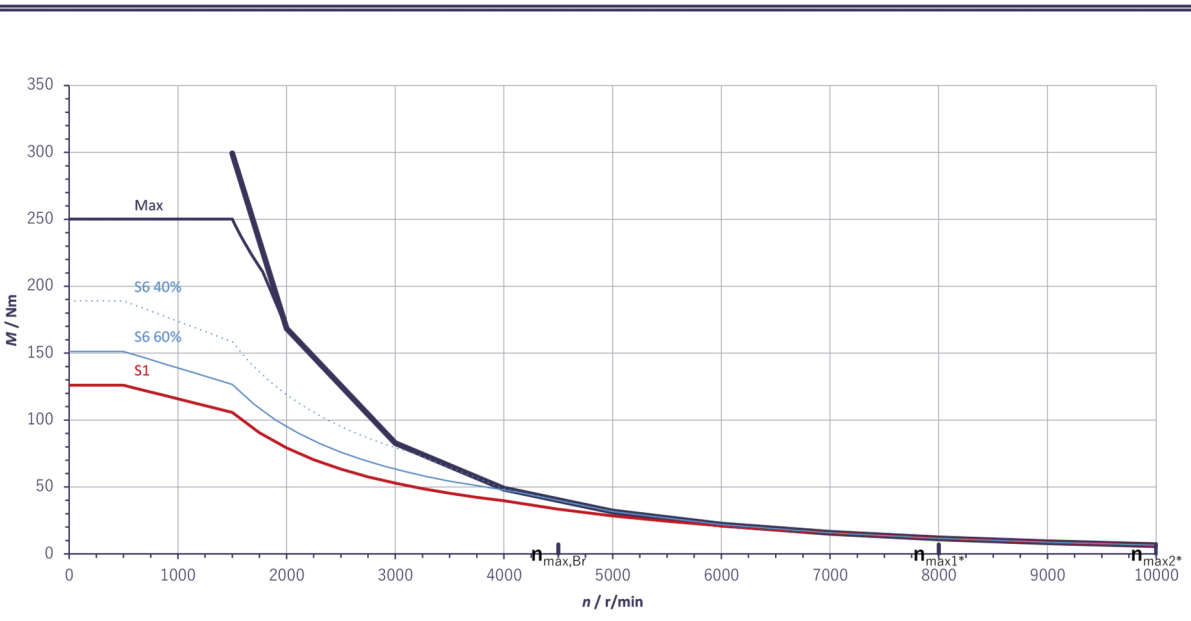




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8133-1□D0, 1PH8133-1□D1, 1PH8133-3□D0, 1PH8133-3□D1 in Star-connection

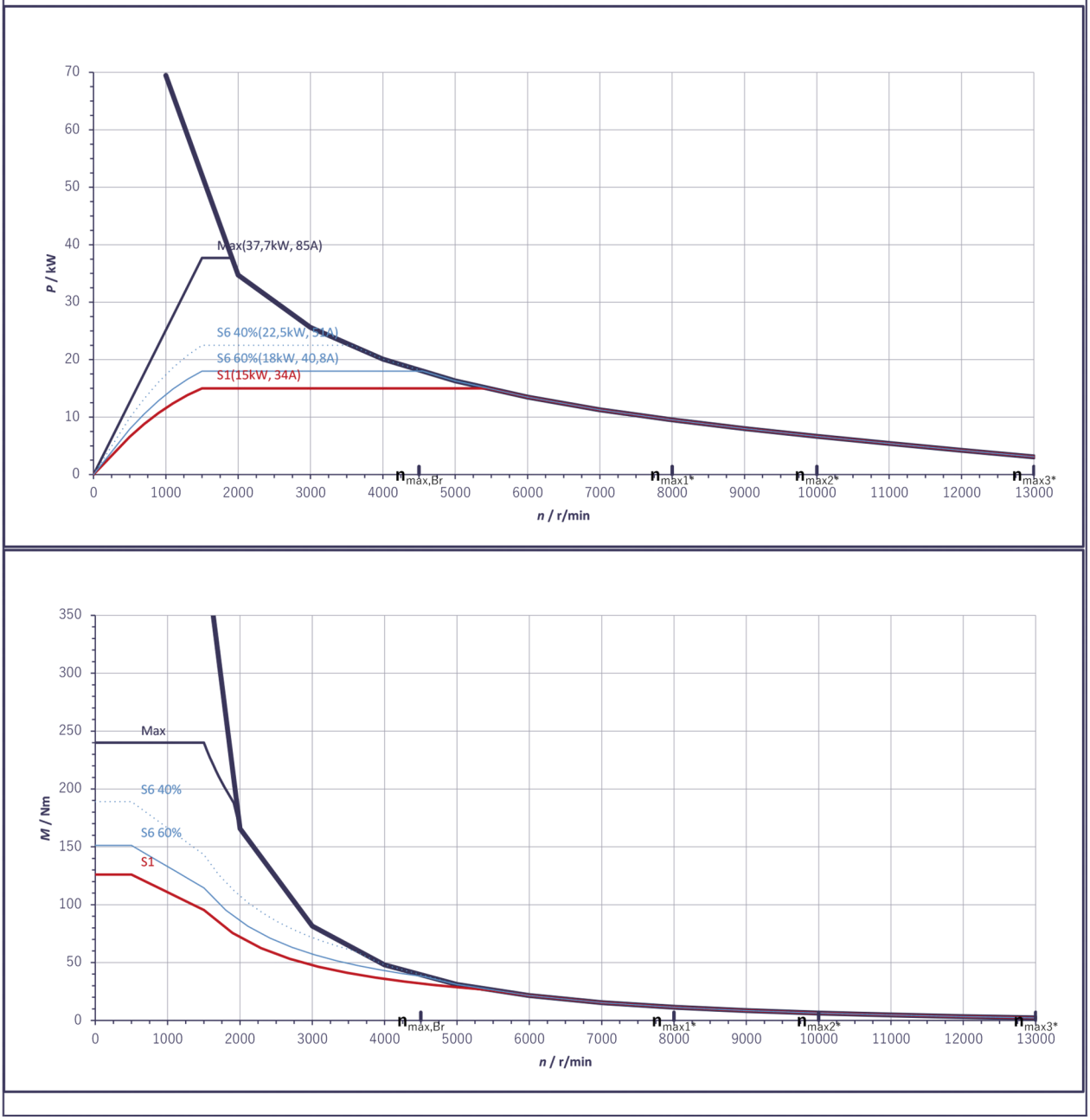
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	16,6	106,0	28,0	8000	10000	--	4500	4000	250,0	65	126	32,0





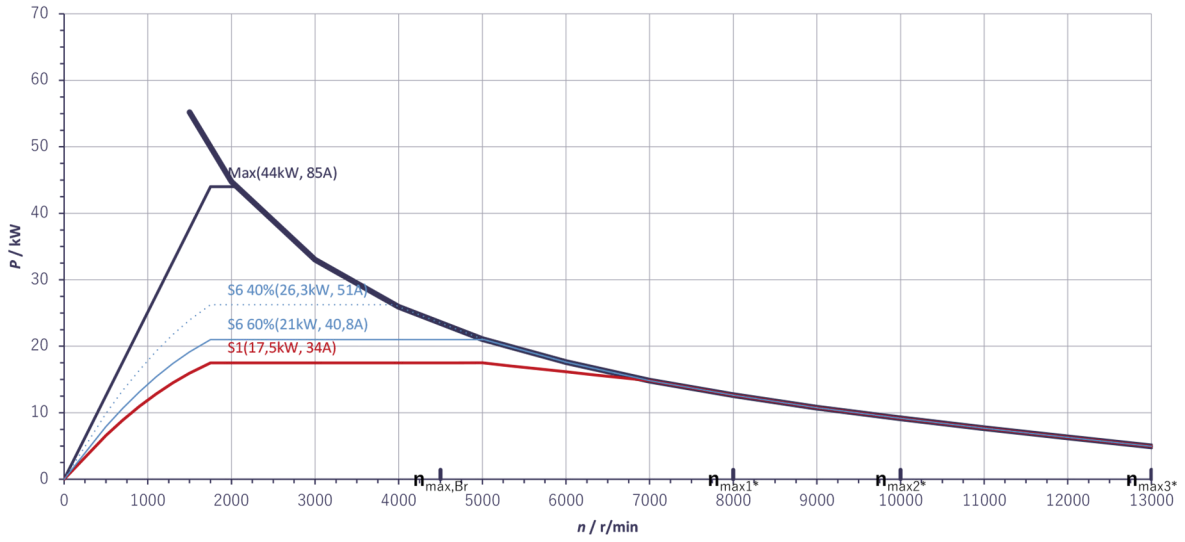
SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8133-1□F0, 1PH8133-1□F1, 1PH8133-3□F0, 1PH8133-3□F1 in Star-connection

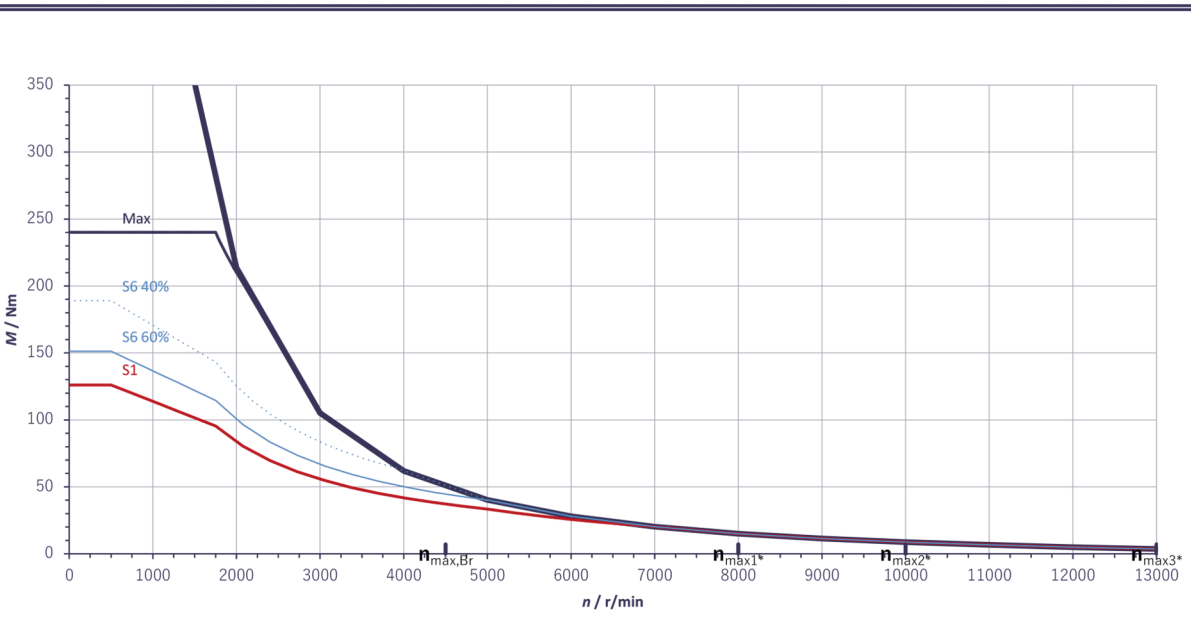
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	15,0	96,0	34,0	8000	10000	13000	4500	5500	240,0	85	126	42,0



SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8133-1□F0, 1PH8133-1□F1, 1PH8133-3□F0, 1PH8133-3□F1 in Star-connection

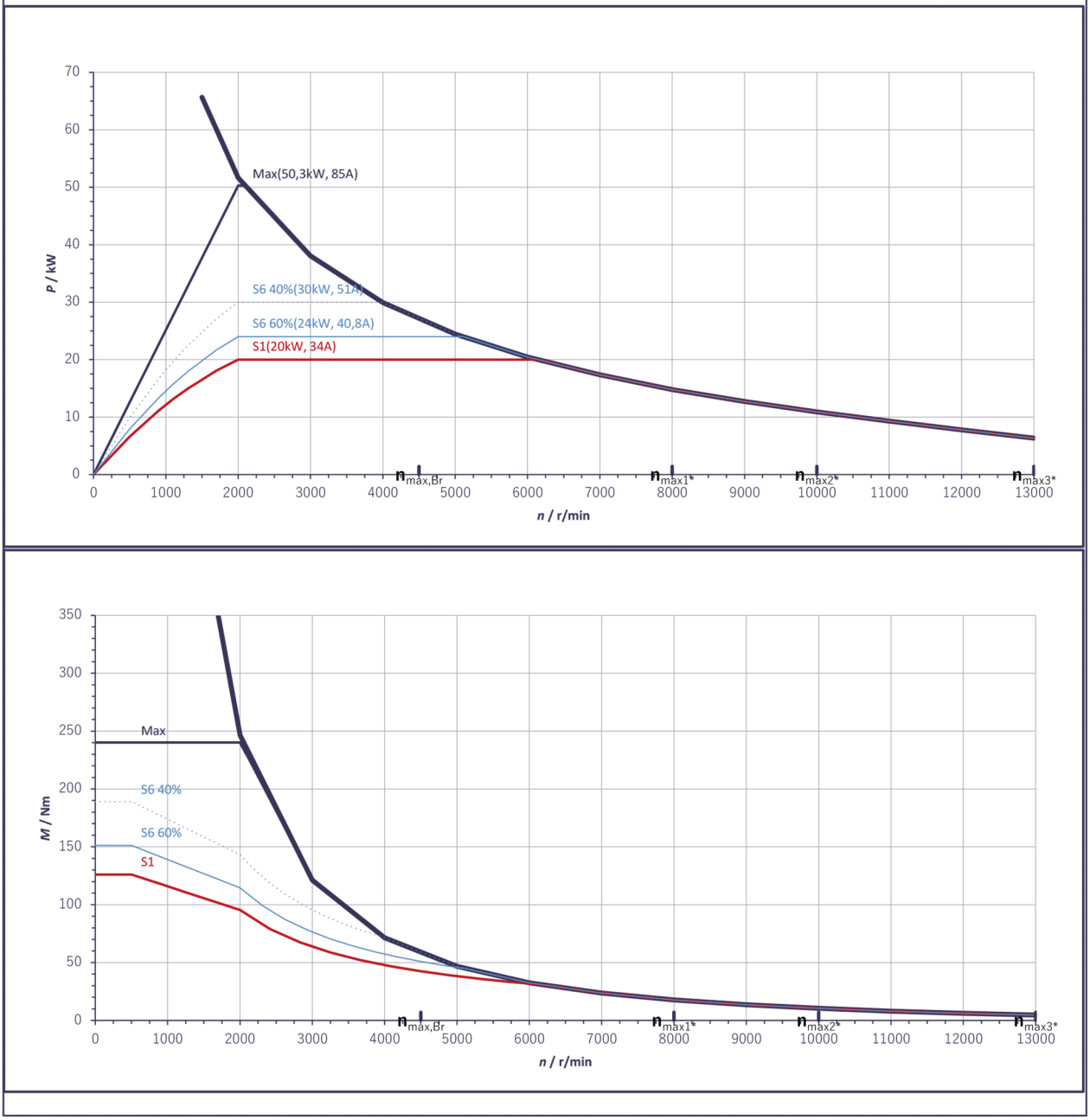
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	17,5	96,0	34,0	8000	10000	13000	4500	5000	240,0	85	126	42,0
1500	15,0	96	34,0					6900				





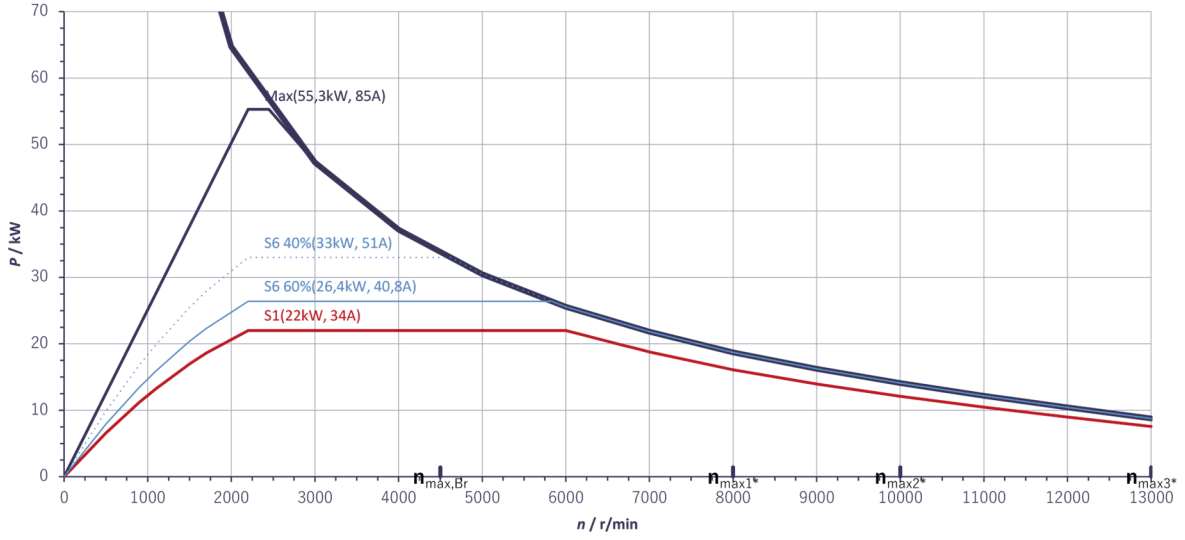
SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8133-1□F0, 1PH8133-1□F1, 1PH8133-3□F0, 1PH8133-3□F1 in Star-connection

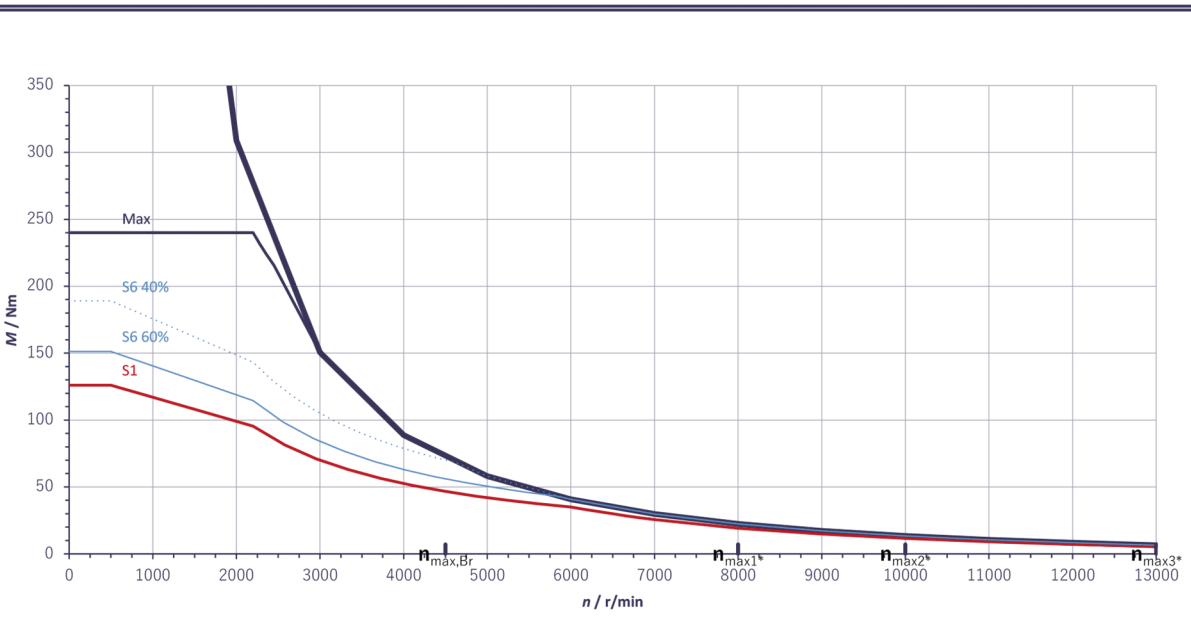
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	20,0	96,0	34,0	8000	10000	13000	4500	6200	240,0	85	126	42,0



SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8133-1□F0, 1PH8133-1□F1, 1PH8133-3□F0, 1PH8133-3□F1 in Star-connection

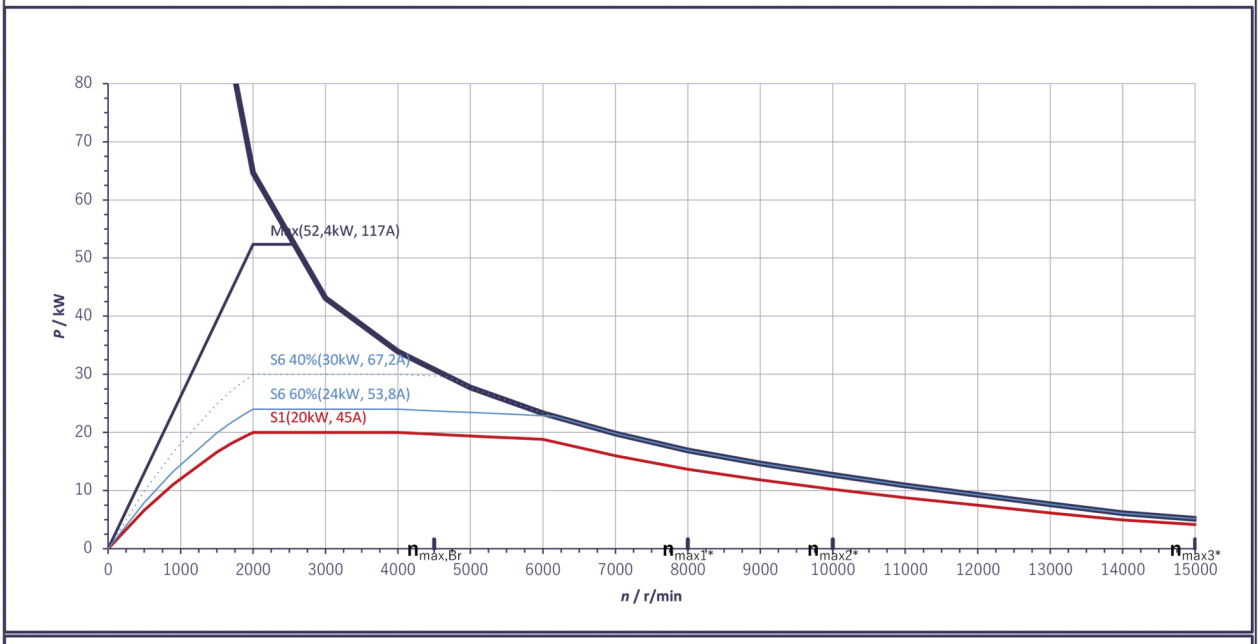
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	22,0	96,0	34,0	8000	10000	13000	4500	6000	240,0	85	126	42,0

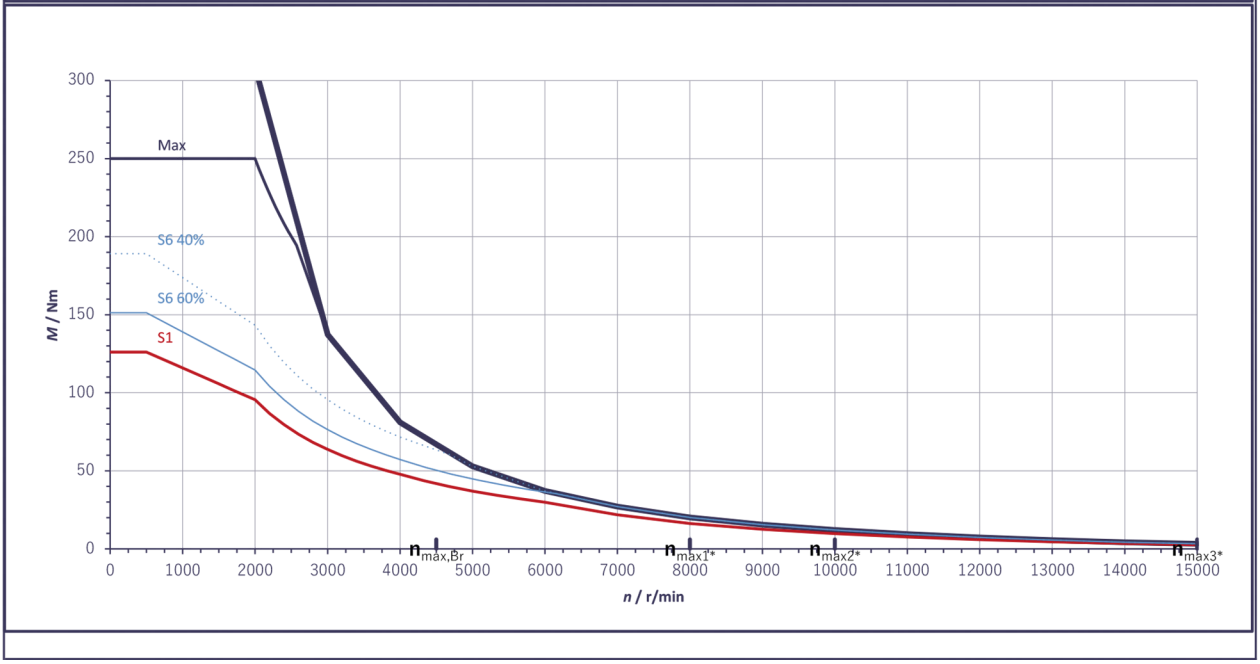




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8133-1□G0, 1PH8133-1□G1, 1PH8133-3□G0, 1PH8133-3□G1 in Star-connection

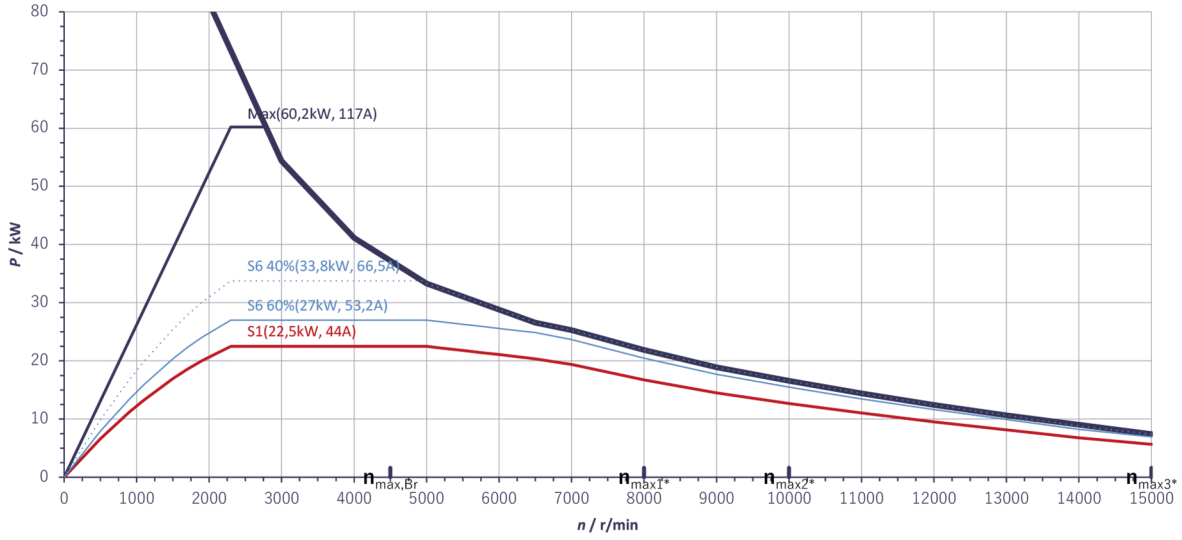
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	20,0	96,0	45,0	8000	10000	15000	4500	4000	250,0	117	126	54,0

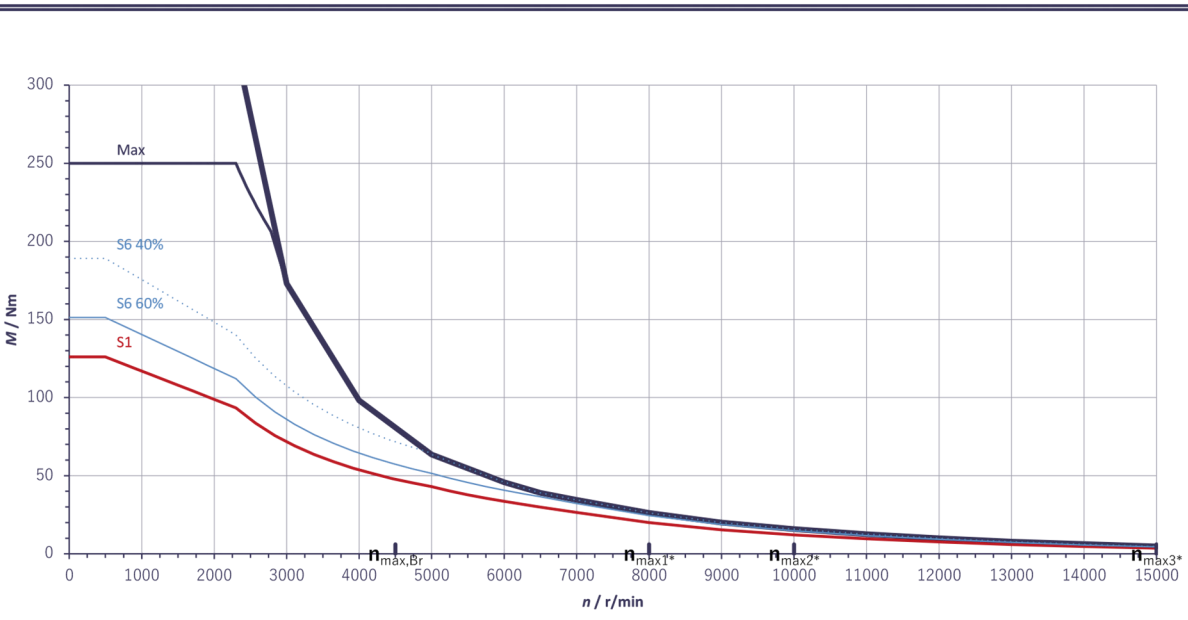




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8133-1□G0, 1PH8133-1□G1, 1PH8133-3□G0, 1PH8133-3□G1 in Star-connection

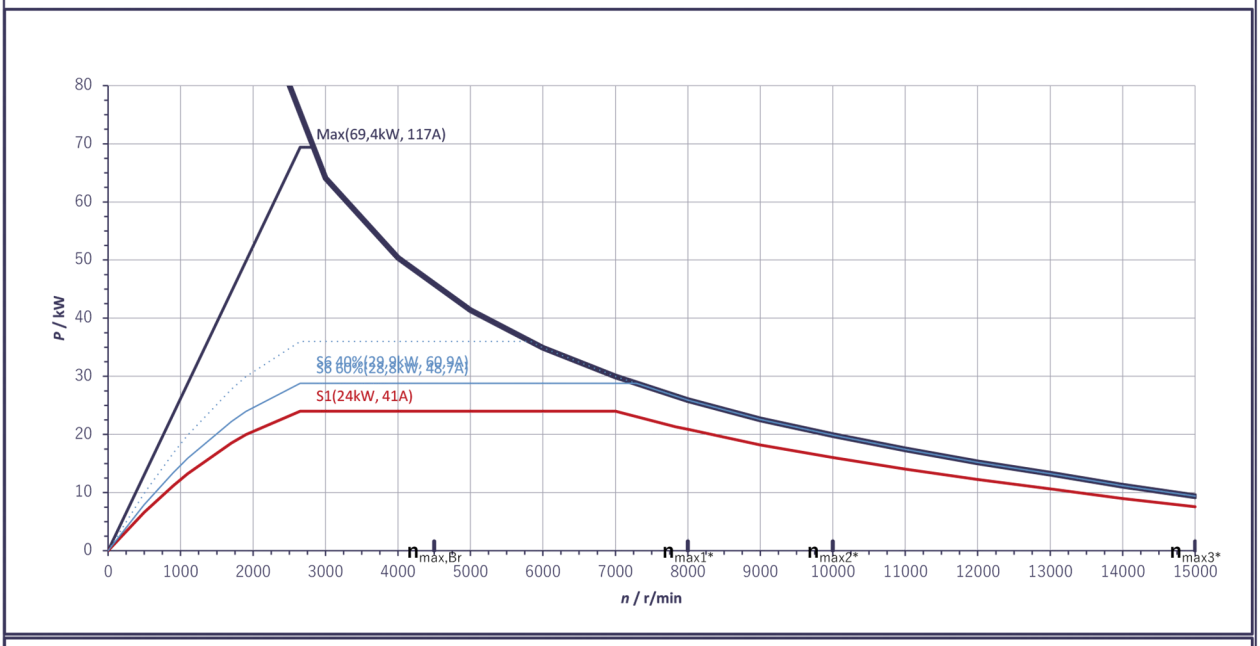
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	22,5	93,0	44,0	8000	10000	15000	4500	5000	250,0	117	126	54,0
2000	20,0	96	45,0					6500				

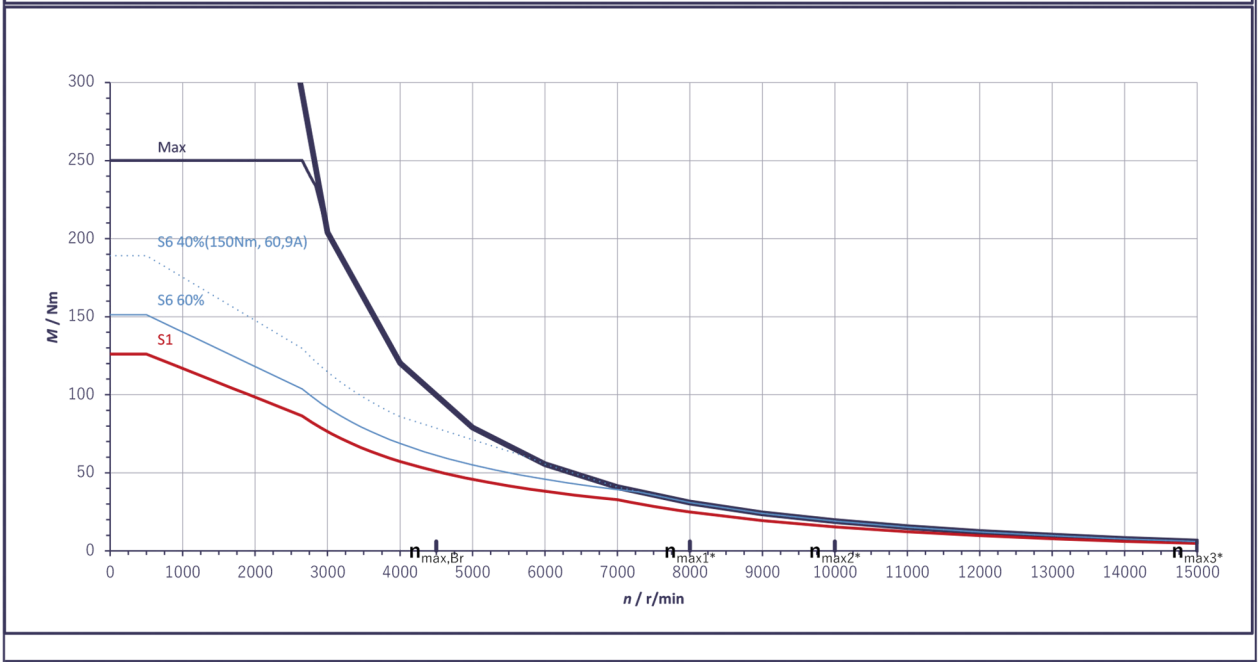




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8133-1□G0, 1PH8133-1□G1, 1PH8133-3□G0, 1PH8133-3□G1 in Star-connection

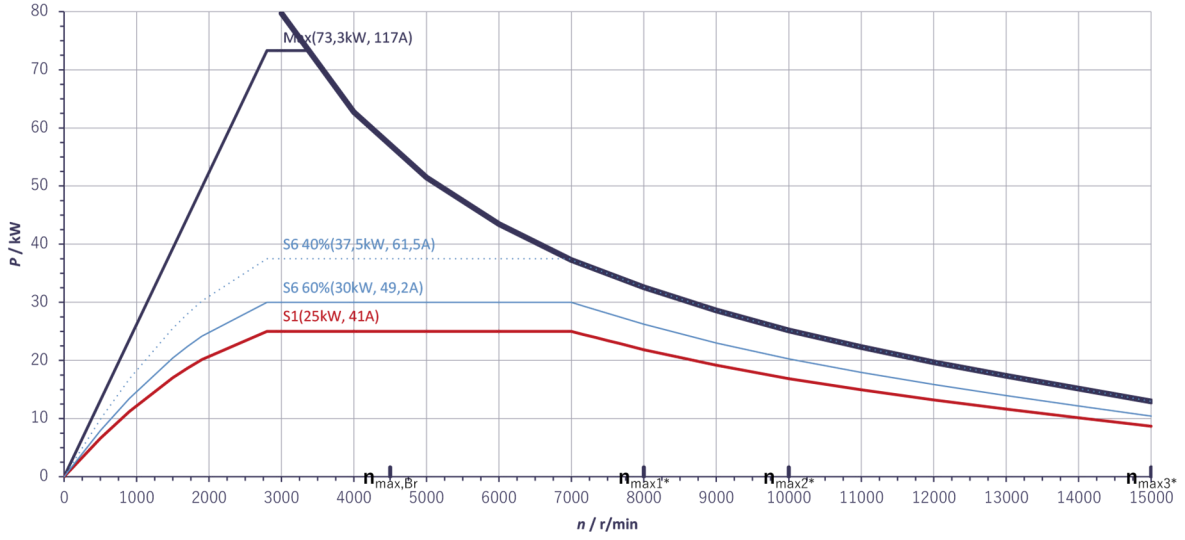
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	24,0	86,0	41,0	8000	10000	15000	4500	7000	250,0	117	126	54,0

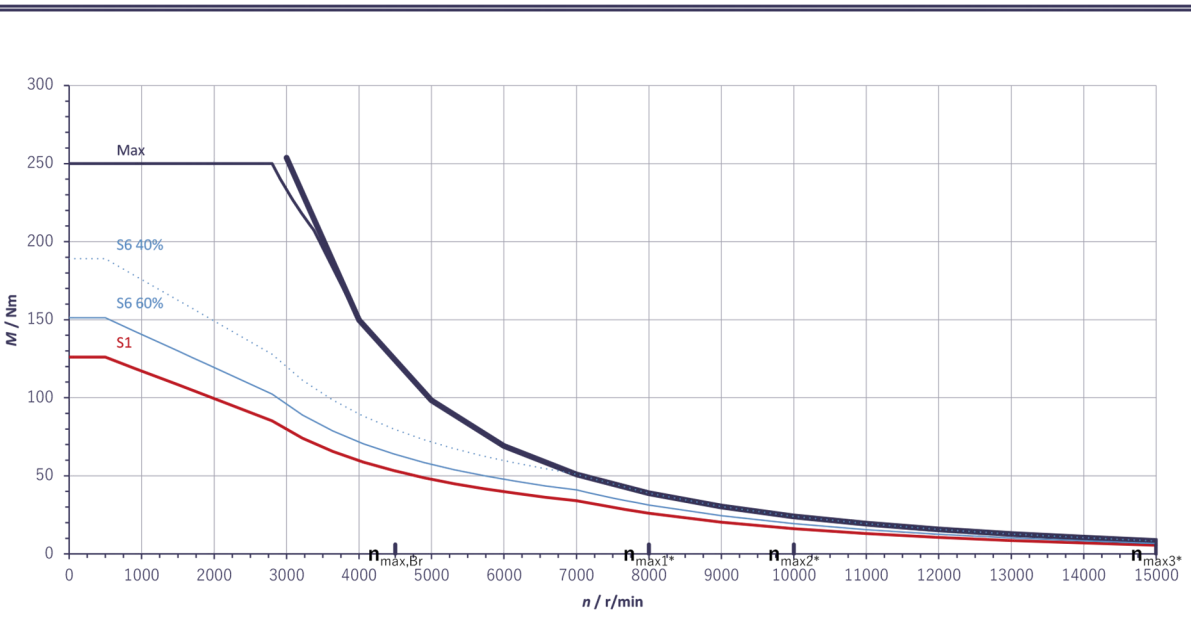




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8133-1□G0, 1PH8133-1□G1, 1PH8133-3□G0, 1PH8133-3□G1 in Star-connection

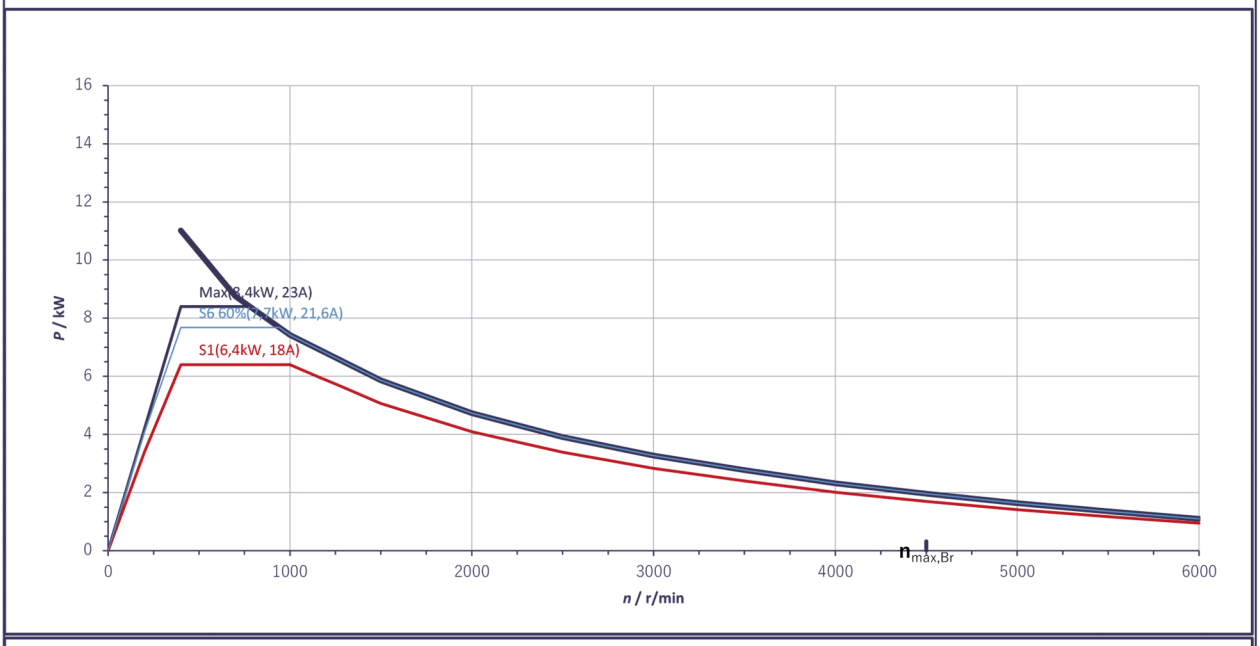
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	25,0	85,0	41,0	8000	10000	15000	4500	7000	250,0	117	126	54,0

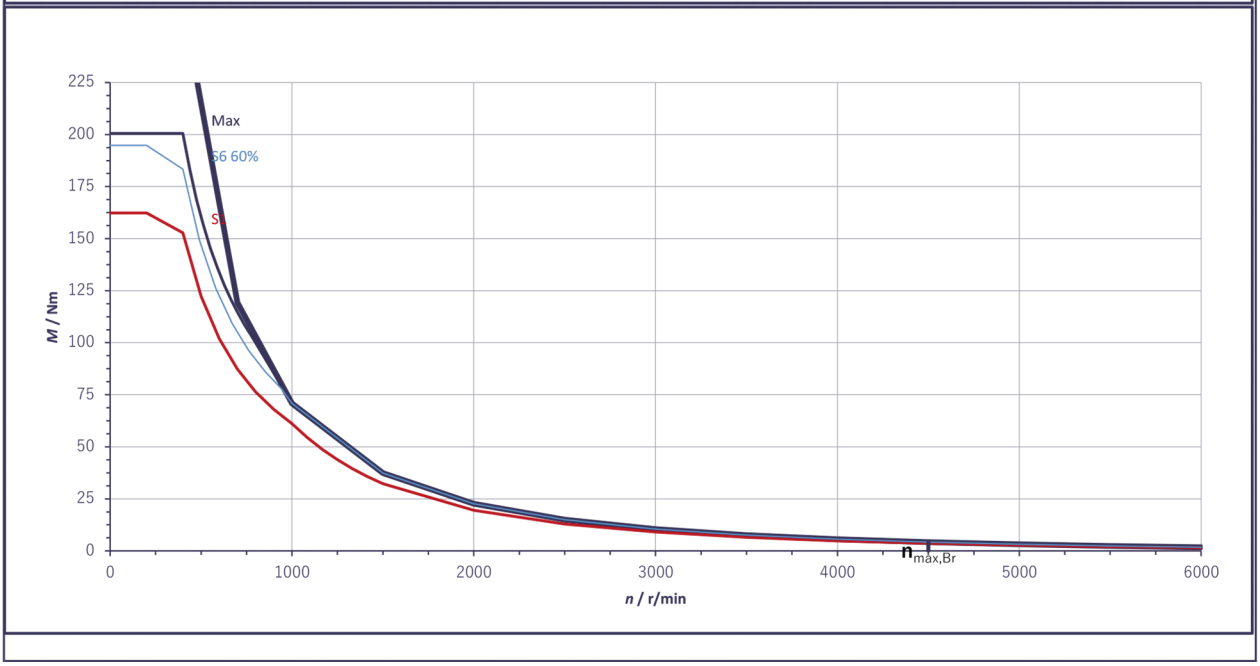




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8135-1□B0, 1PH8135-1□B1, 1PH8135-3□B0, 1PH8135-3□B1 in Star-connection

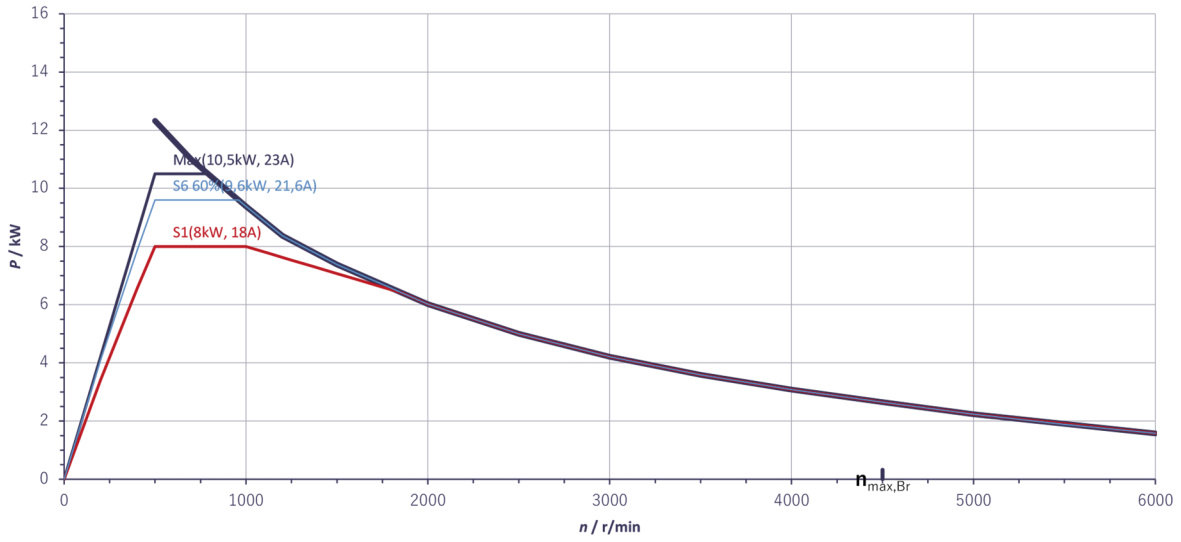
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
400	6,4	153,0	18,0	--	--	--	4500	1000	200,0	23	162	18,6

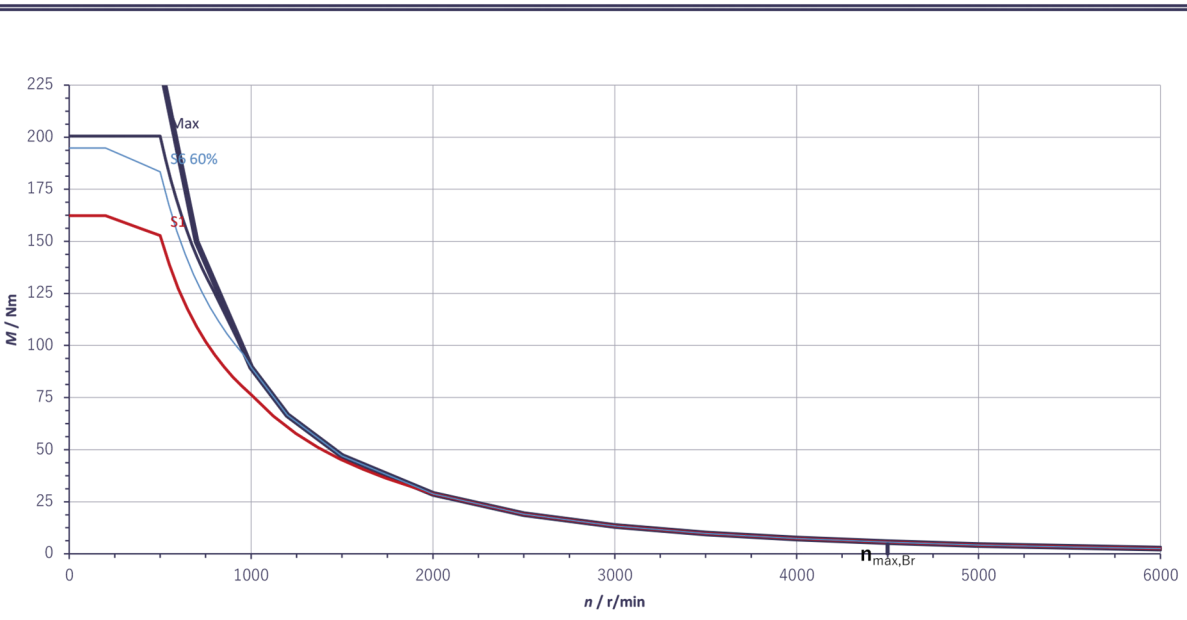




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8135-1□B0, 1PH8135-1□B1, 1PH8135-3□B0, 1PH8135-3□B1 in Star-connection

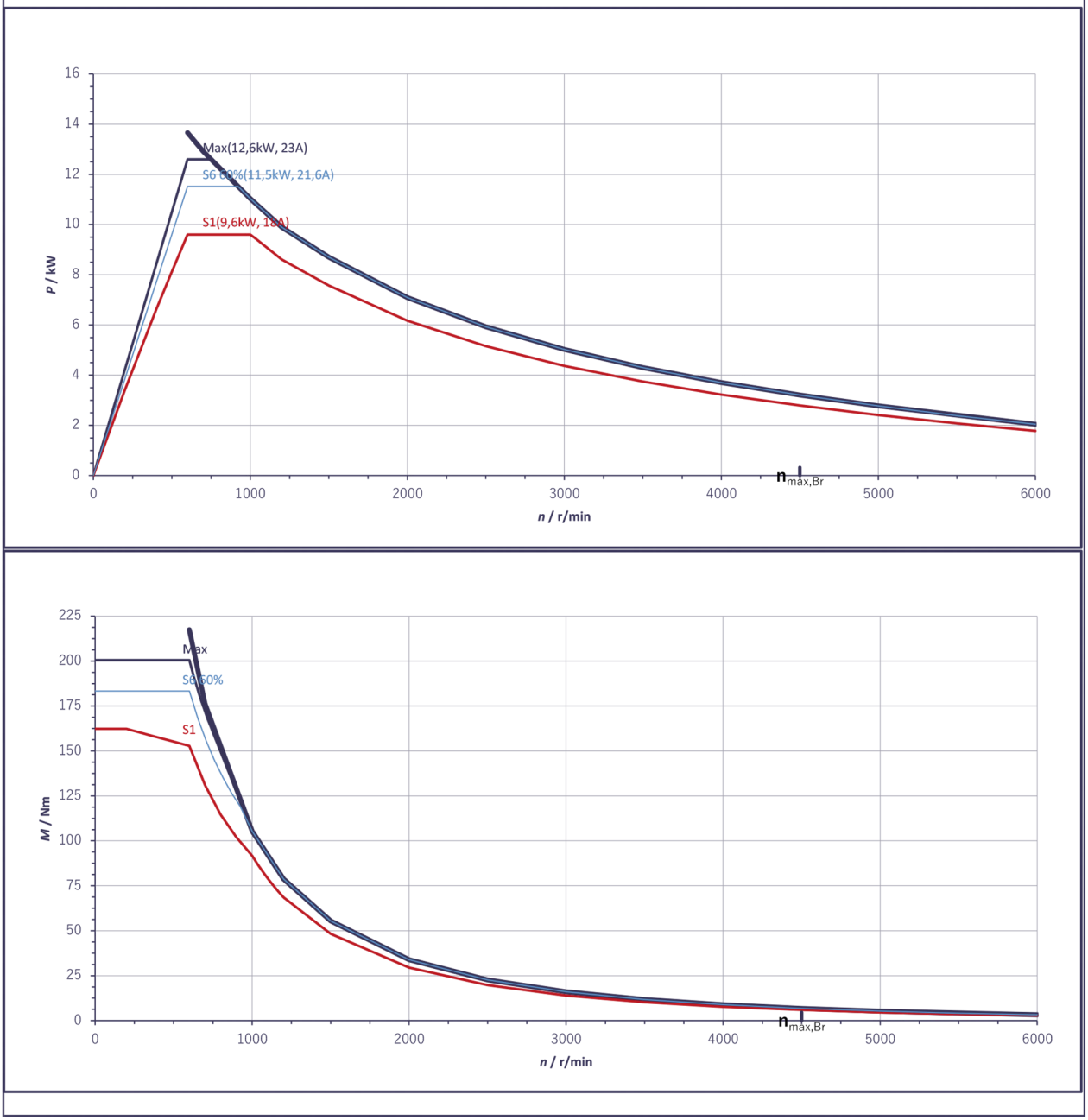
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
500	8,0	153,0	18,0	--	--	--	4500	1000	200,0	23	162	18,6
400	6,4	153	18,0					1900				





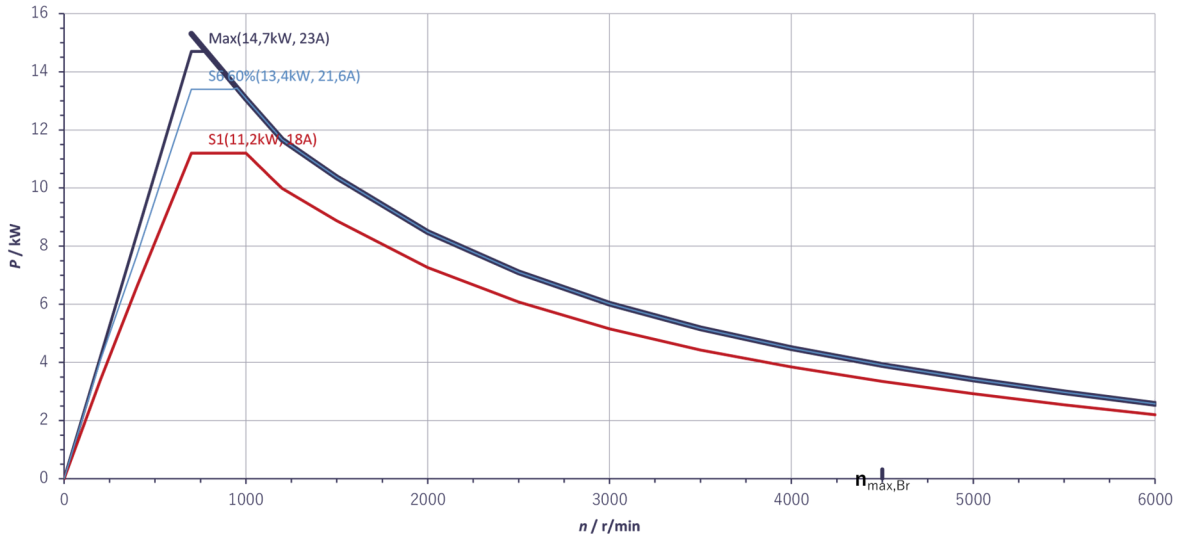
SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8135-1□B0, 1PH8135-1□B1, 1PH8135-3□B0, 1PH8135-3□B1 in Star-connection

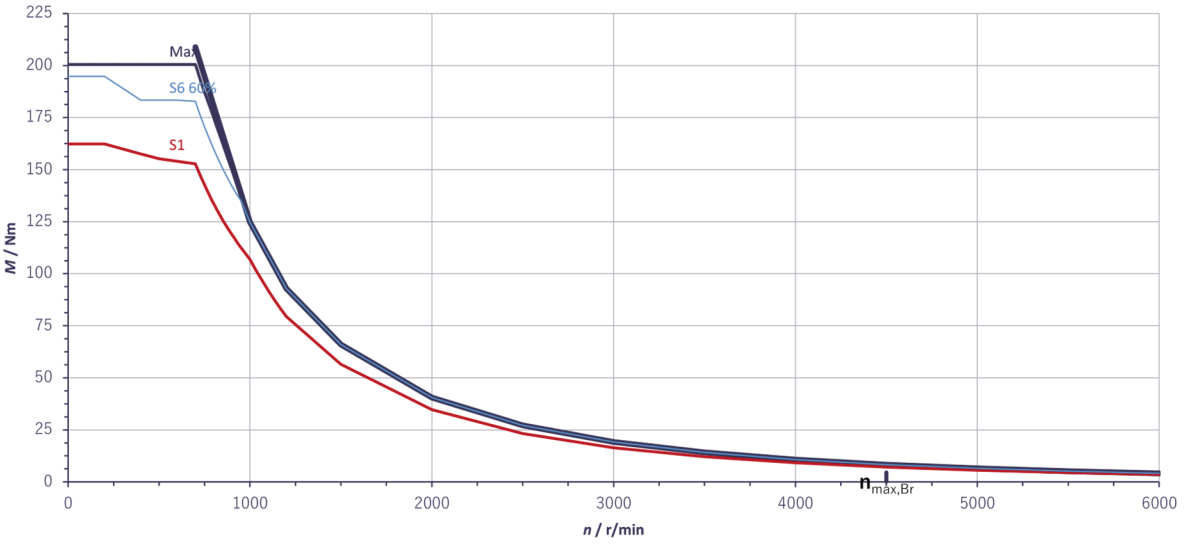
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
600	9,6	153,0	18,0	--	--	--	4500	1000	200,0	23	162	18,6



SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8135-1□B0, 1PH8135-1□B1, 1PH8135-3□B0, 1PH8135-3□B1 in Star-connection

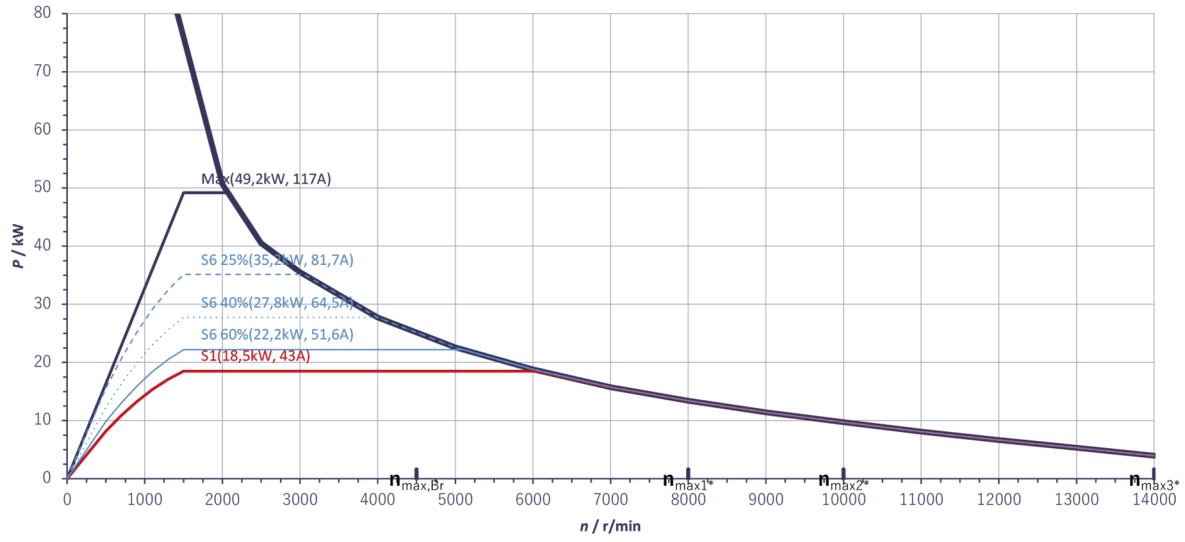
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
700	11,2	153,0	18,0	--	--	--	4500	1000	200,0	23	162	18,6

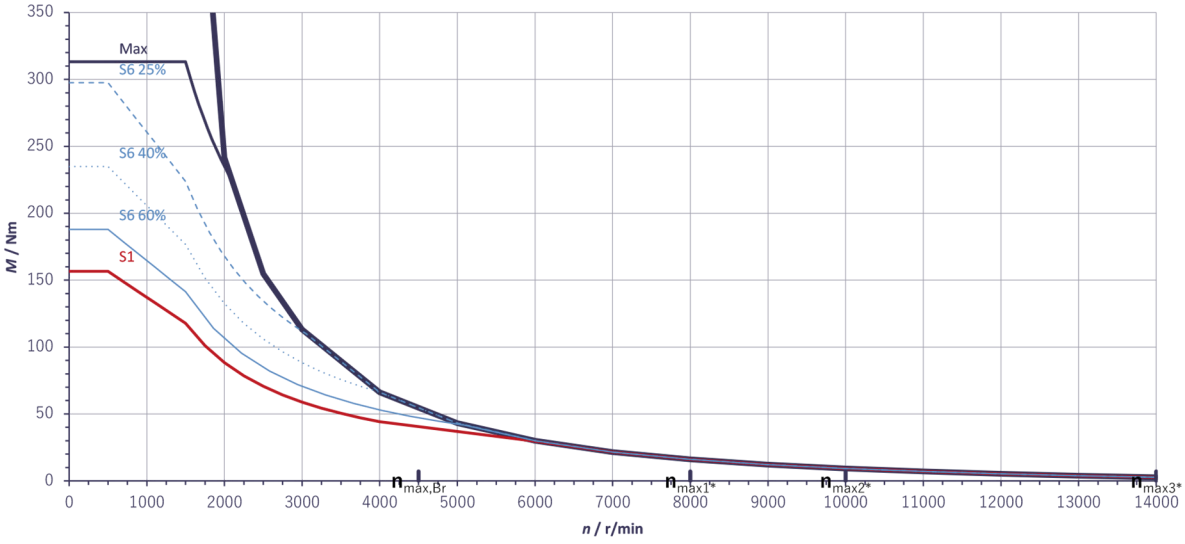




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8135-1□F0, 1PH8135-1□F1, 1PH8135-3□F0, 1PH8135-3□F1 in Star-connection

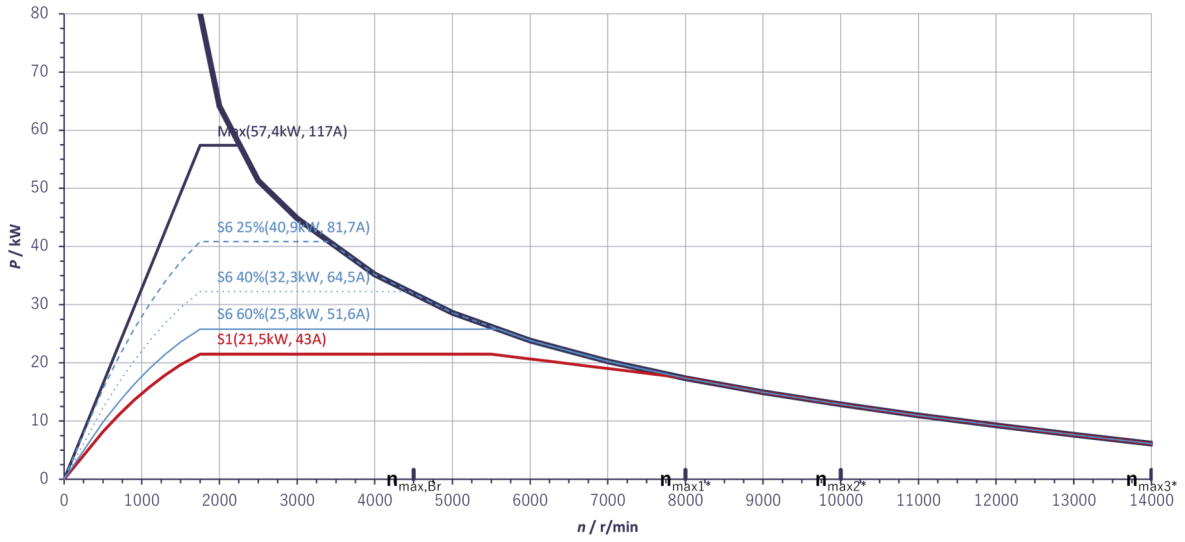
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	18,5	118,0	43,0	8000	10000	14000	4500	6150	313,0	117	157	53,0

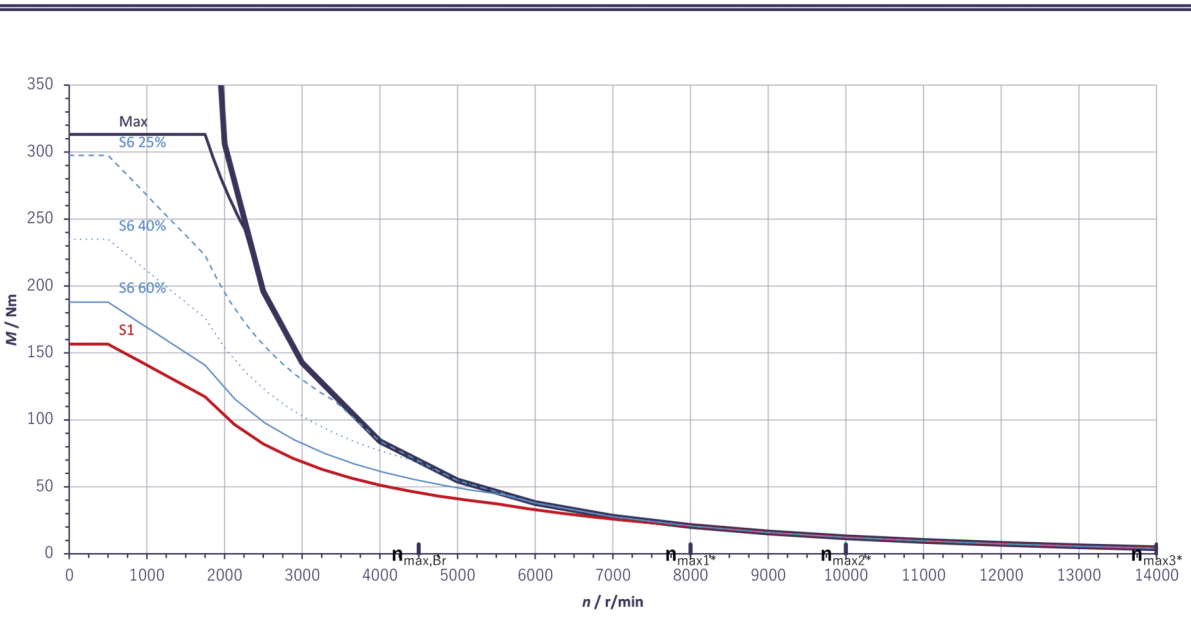




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8135-1□F0, 1PH8135-1□F1, 1PH8135-3□F0, 1PH8135-3□F1 in Star-connection

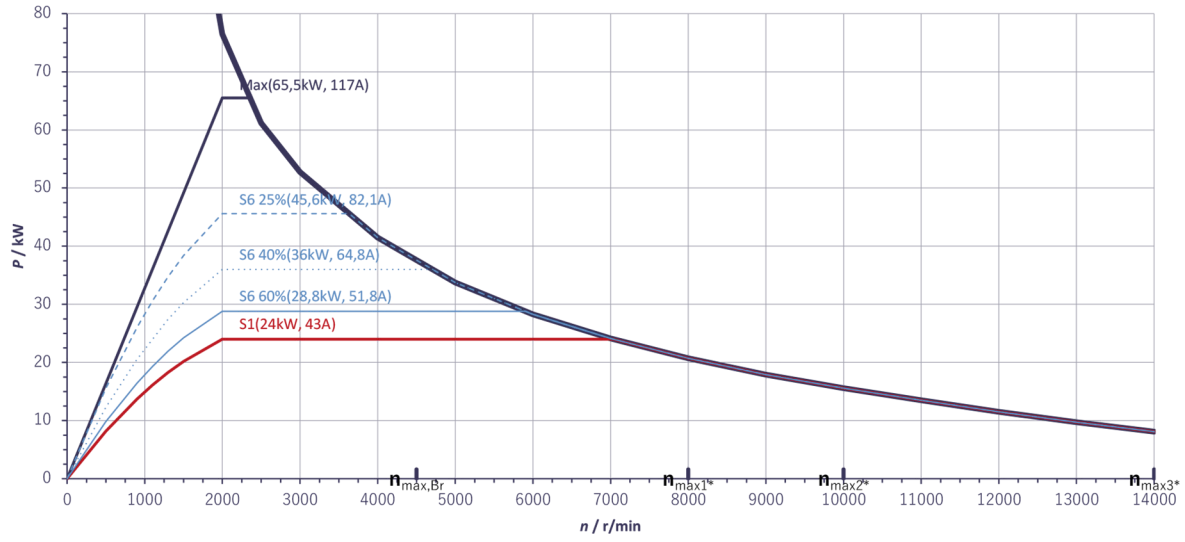
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	21,5	117,0	43,0	8000	10000	14000	4500	5500	313,0	117	157	53,0
1500	18,5	118	43,0					7500				

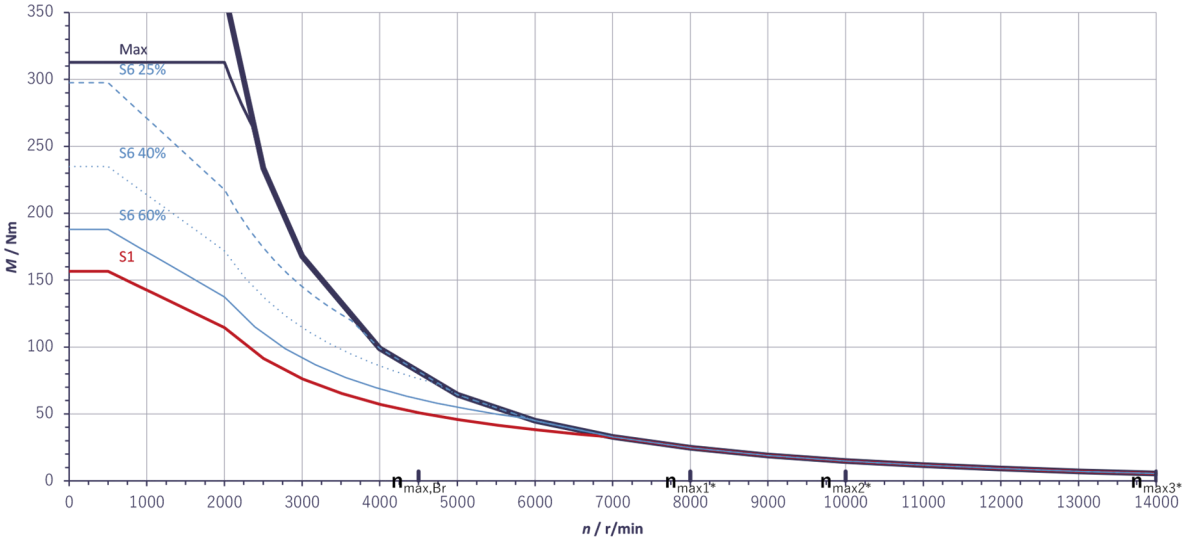




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8135-1□F0, 1PH8135-1□F1, 1PH8135-3□F0, 1PH8135-3□F1 in Star-connection

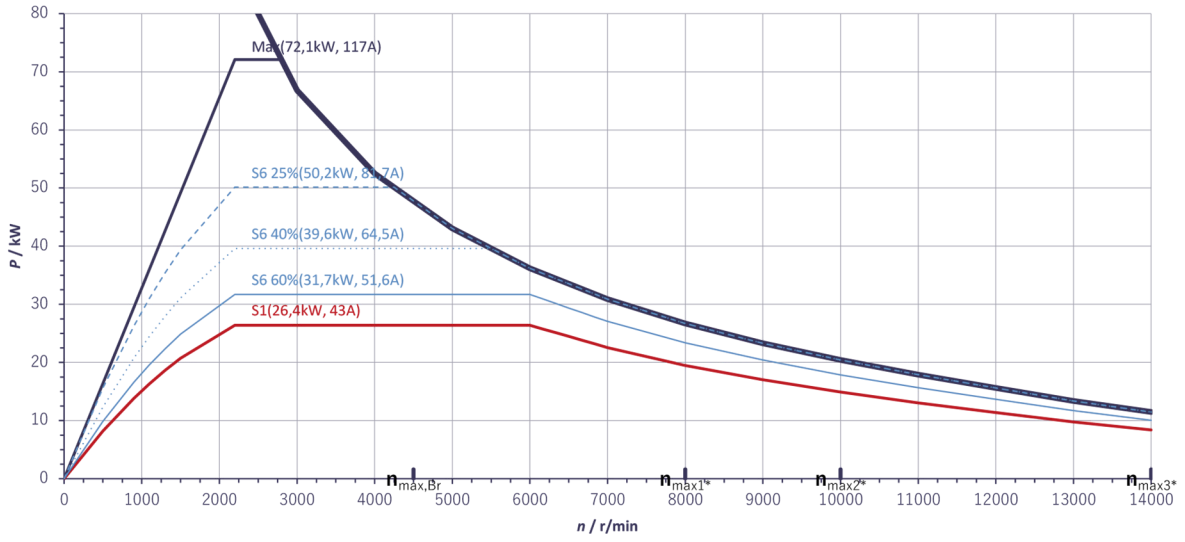
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	24,0	115,0	43,0	8000	10000	14000	4500	7100	313,0	117	157	53,0

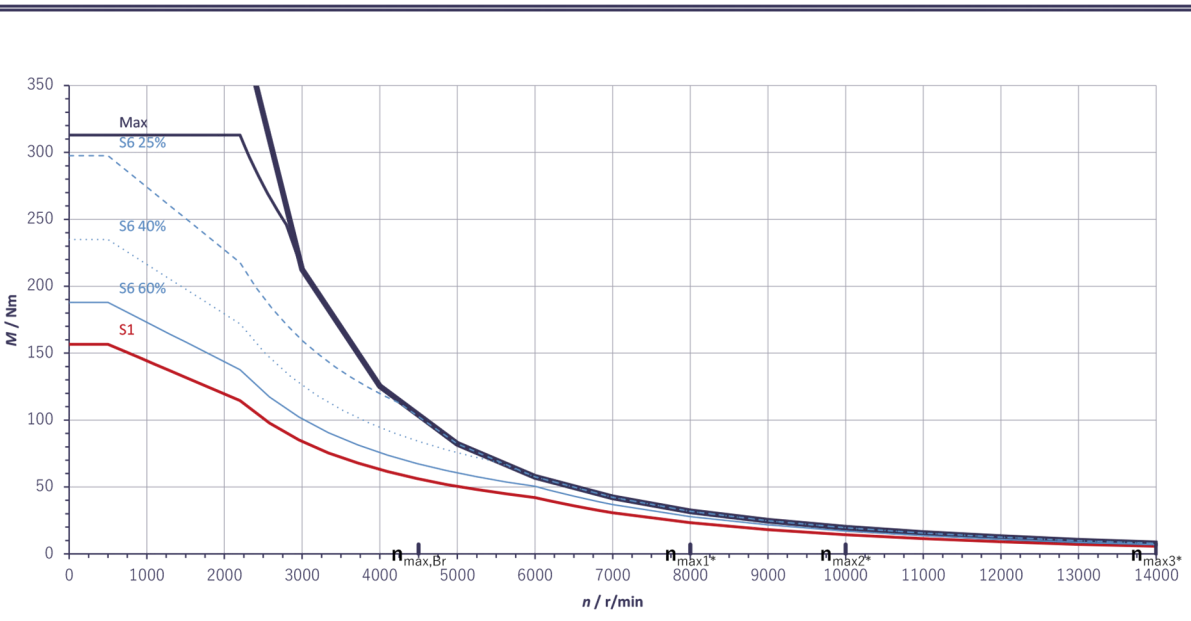




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8135-1□F0, 1PH8135-1□F1, 1PH8135-3□F0, 1PH8135-3□F1 in Star-connection

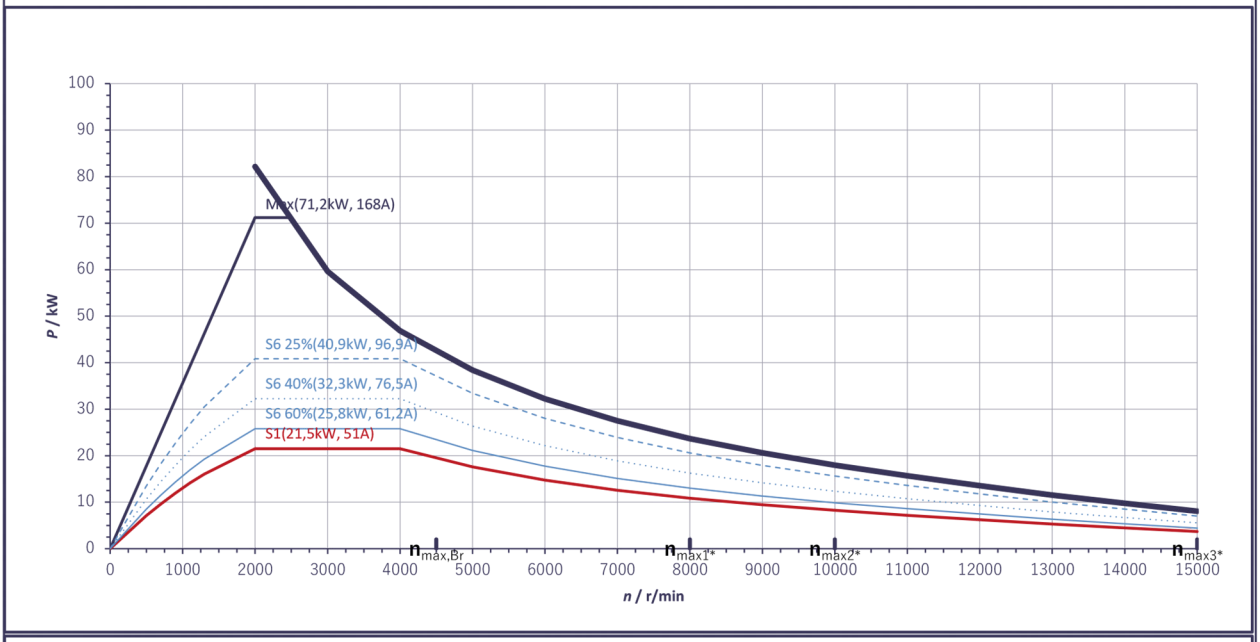
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	26,4	115,0	43,0	8000	10000	14000	4500	6000	313,0	117	157	53,0

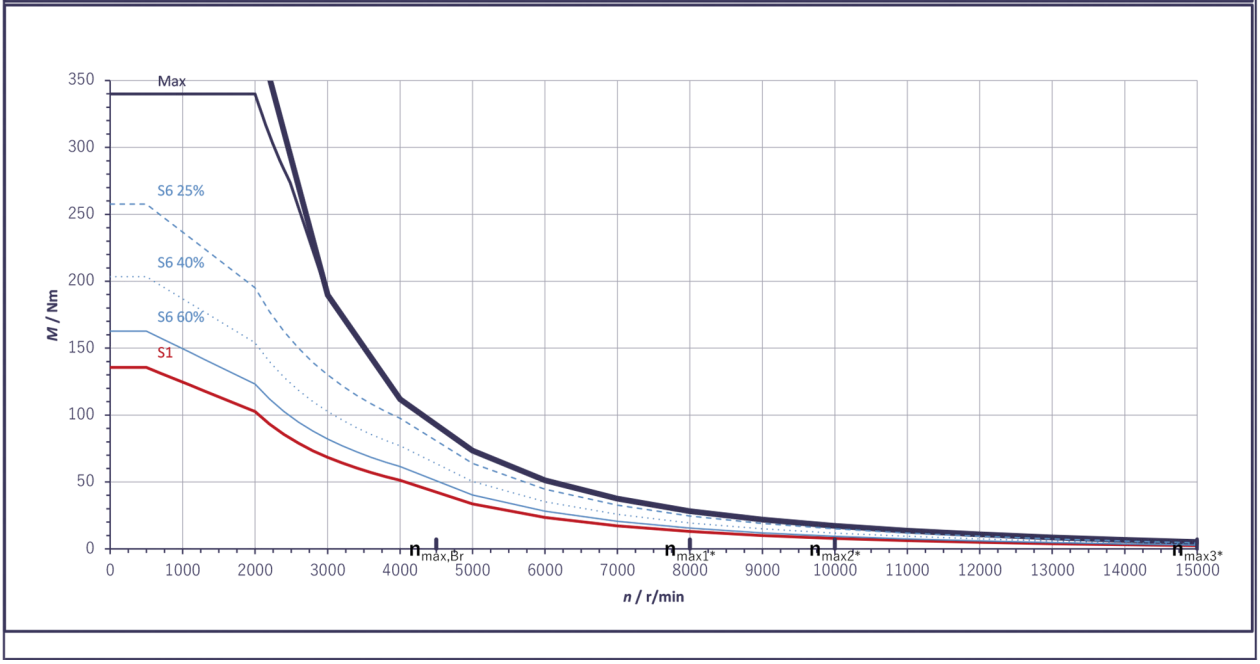




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8135-1□G0, 1PH8135-1□G1, 1PH8135-3□G0, 1PH8135-3□G1 in Star-connection

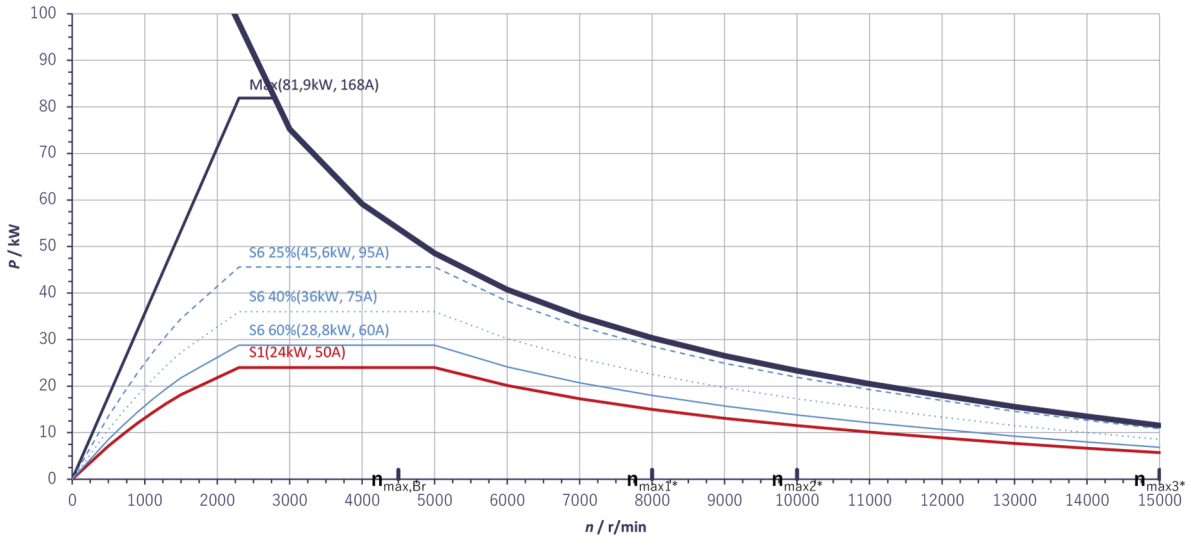
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	21,5	103,0	51,0	8000	10000	15000	4500	4000	340,0	168	136	63,0

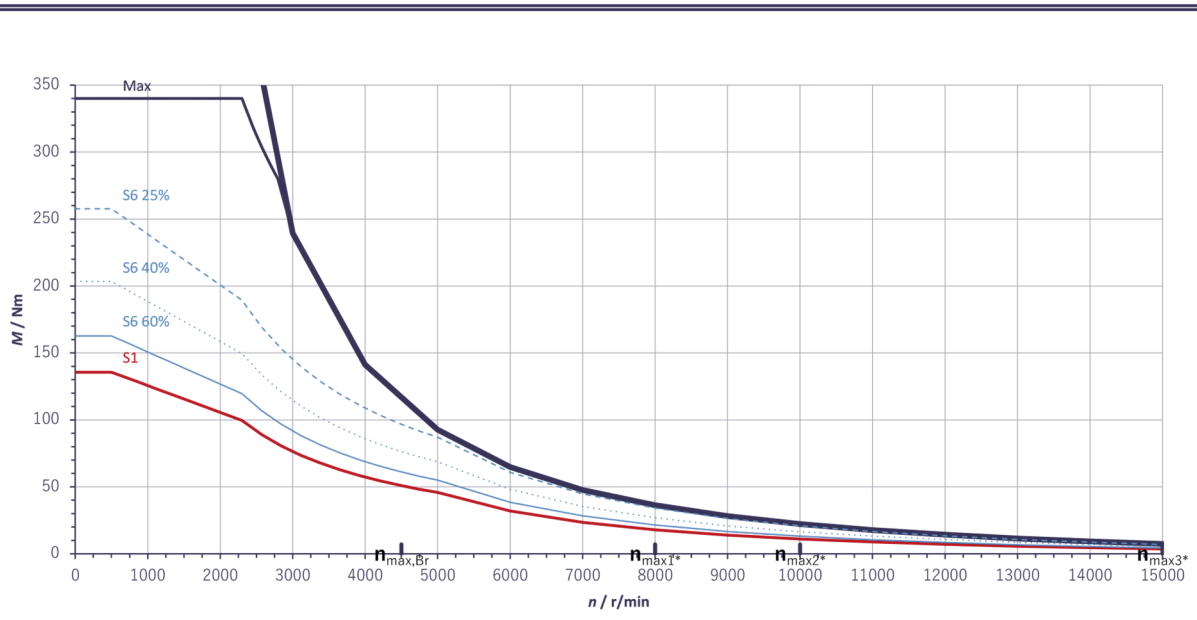




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8135-1□G0, 1PH8135-1□G1, 1PH8135-3□G0, 1PH8135-3□G1 in Star-connection

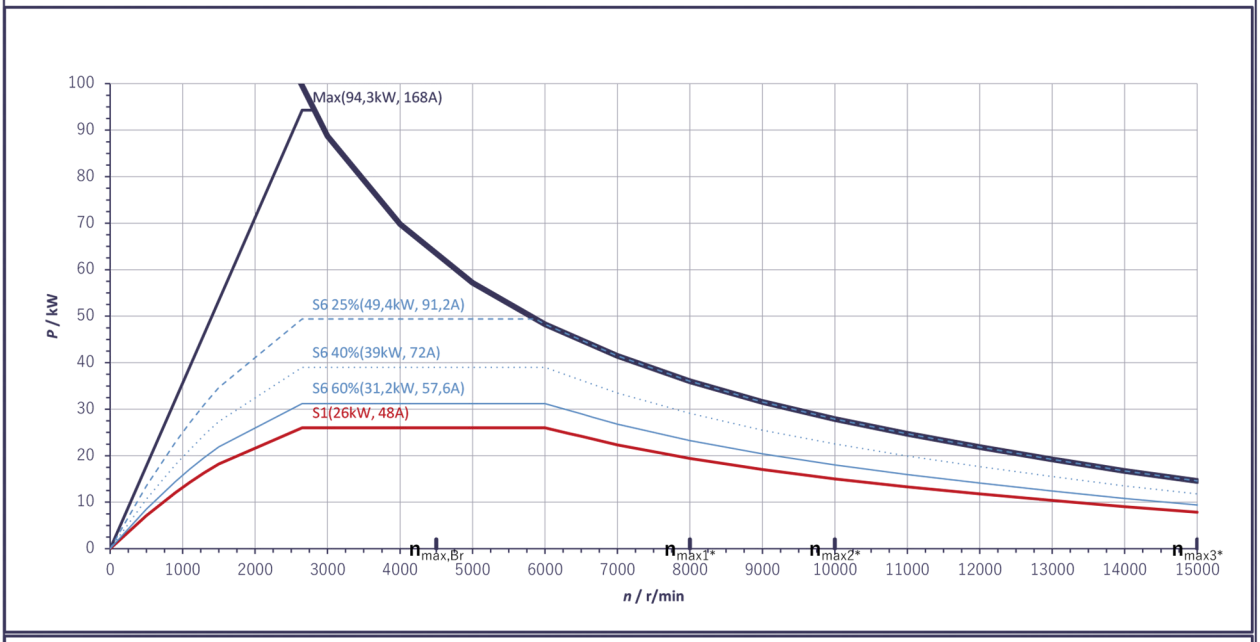
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	24,0	100,0	50,0	8000	10000	15000	4500	5000	340,0	168	136	63,0
2000	21,5	103	51,0					5500				

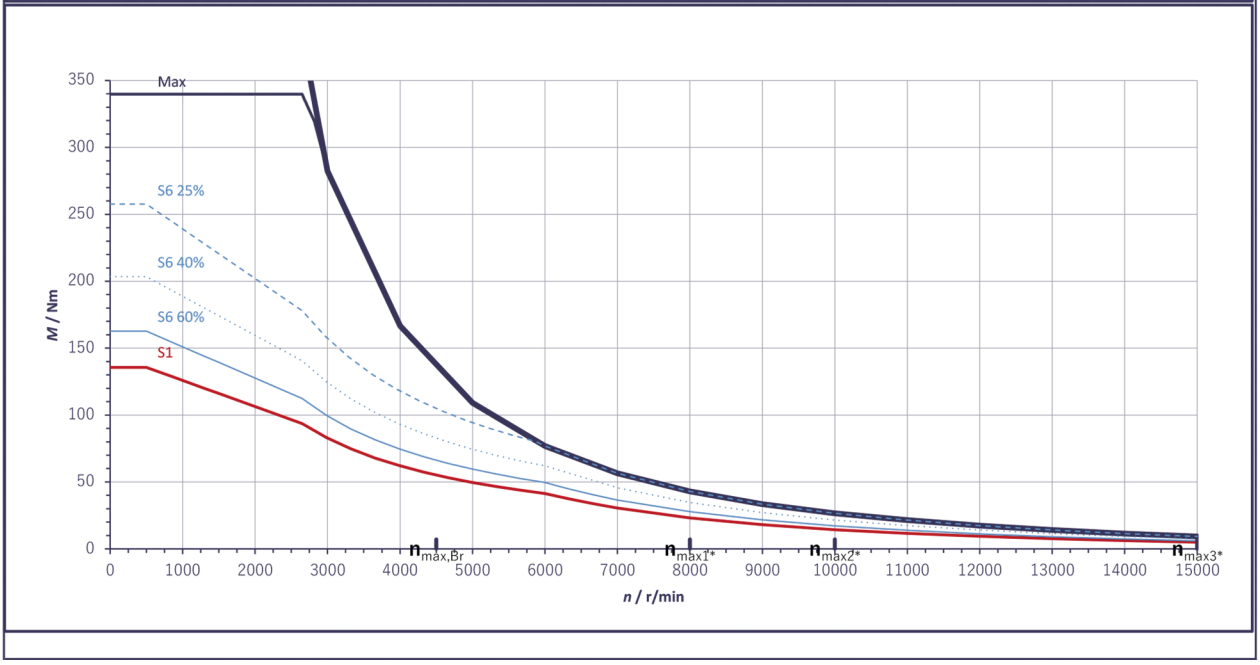




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8135-1□G0, 1PH8135-1□G1, 1PH8135-3□G0, 1PH8135-3□G1 in Star-connection

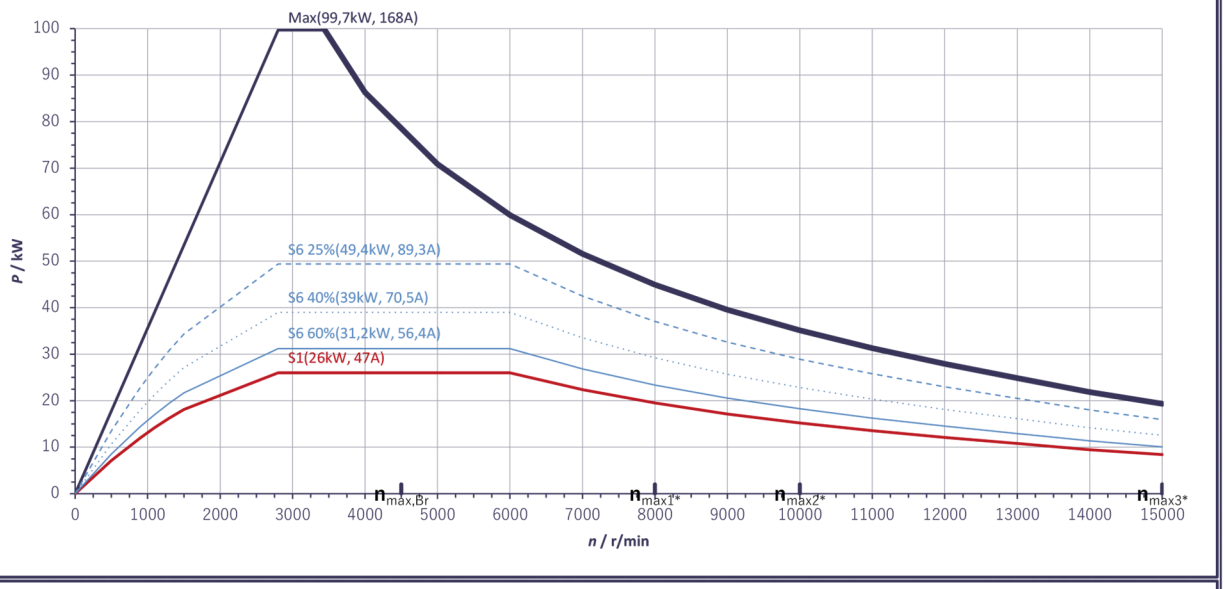
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	26,0	94,0	48,0	8000	10000	15000	4500	6000	340,0	168	136	63,0

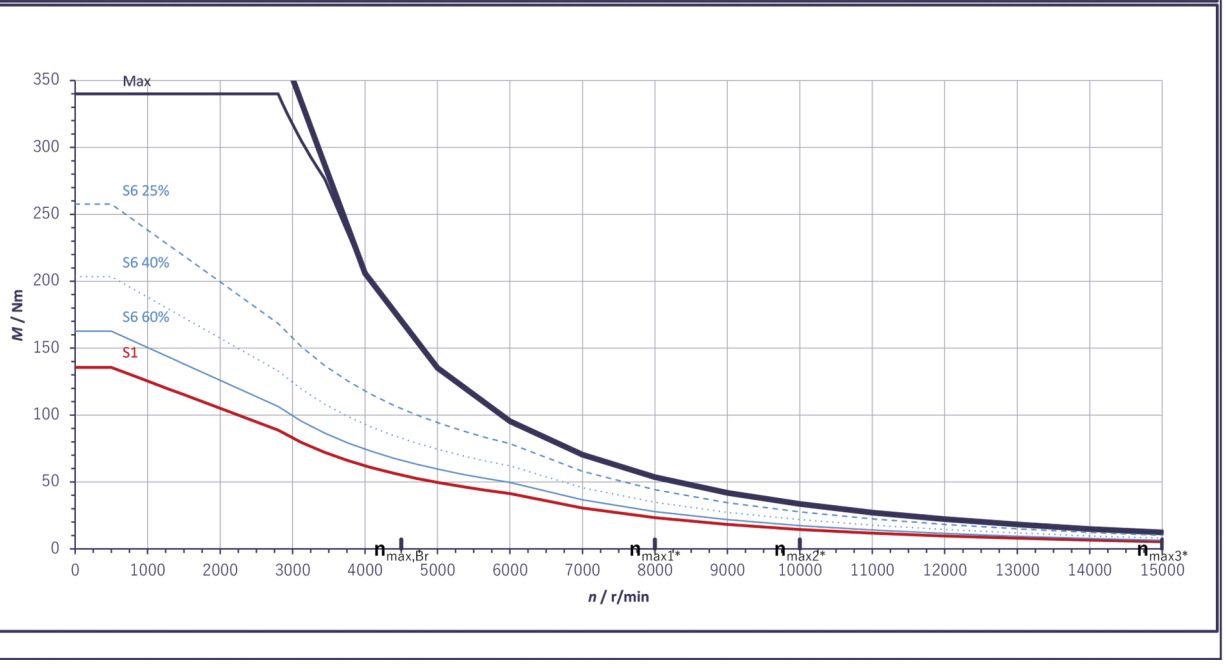




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8135-1□G0, 1PH8135-1□G1, 1PH8135-3□G0, 1PH8135-3□G1 in Star-connection

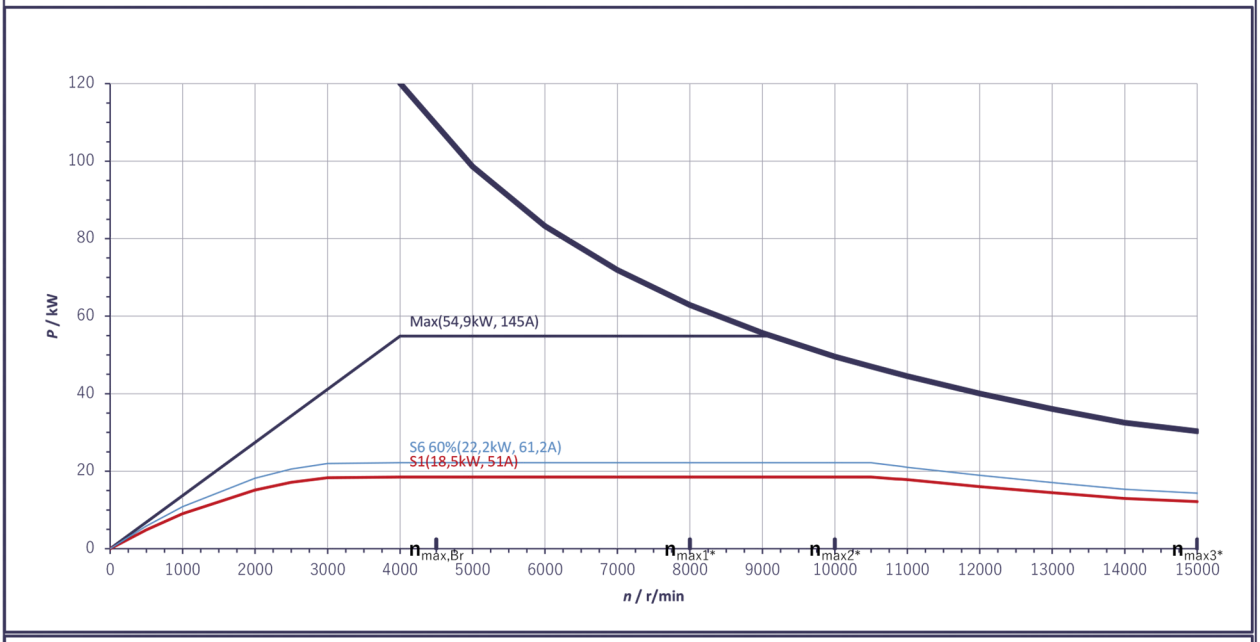
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	26,0	89,0	47,0	8000	10000	15000	4500	6000	340,0	168	136	63,0

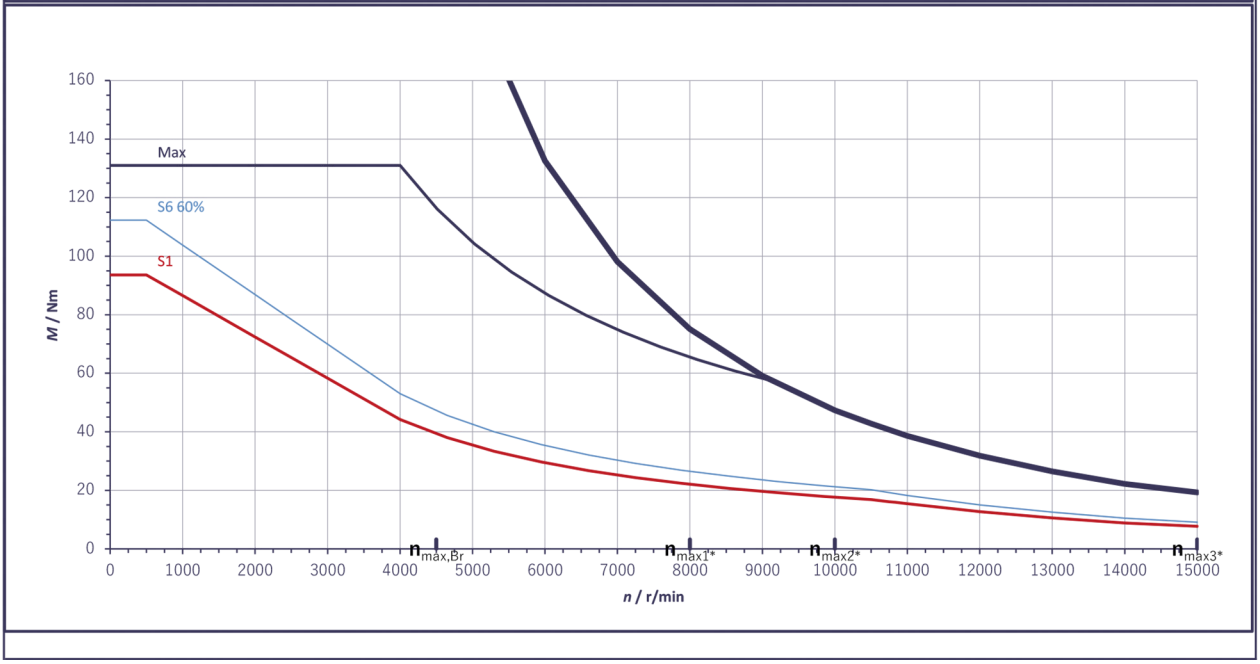




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8135-1□S0, 1PH8135-1□S1, 1PH8135-1□S7, 1PH8135-3□S0, 1PH8135-3□S1, 1PH8135-3□S7 in Delta-connection

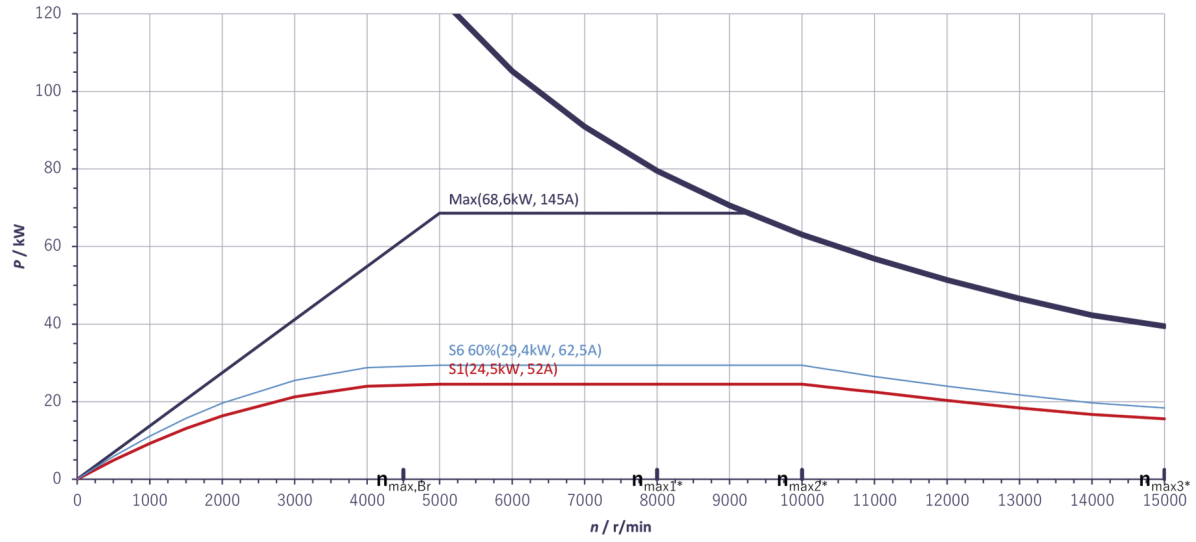
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
4000	18,5	44,0	51,0	8000	10000	15000	4500	10500	131,0	145	94	77,9

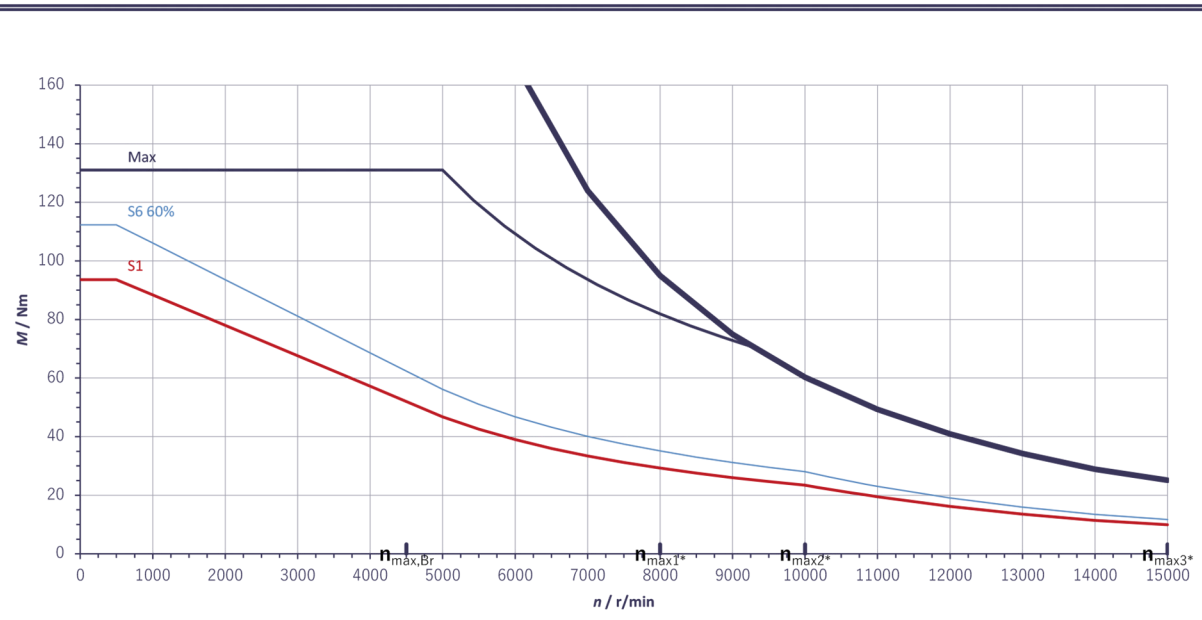




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8135-1□S0, 1PH8135-1□S1, 1PH8135-1□S7, 1PH8135-3□S0, 1PH8135-3□S1, 1PH8135-3□S7 in Delta-connection

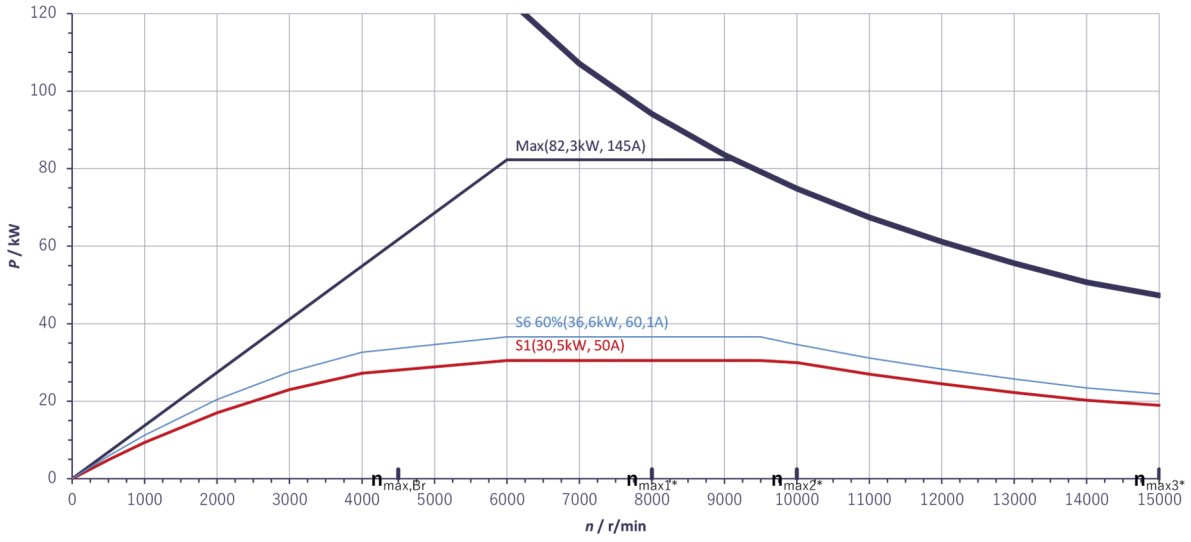
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
5000	24,5	47,0	52,0	8000	10000	15000	4500	10000	131,0	145	94	77,9
4000	18,5	44	51,0					13000				

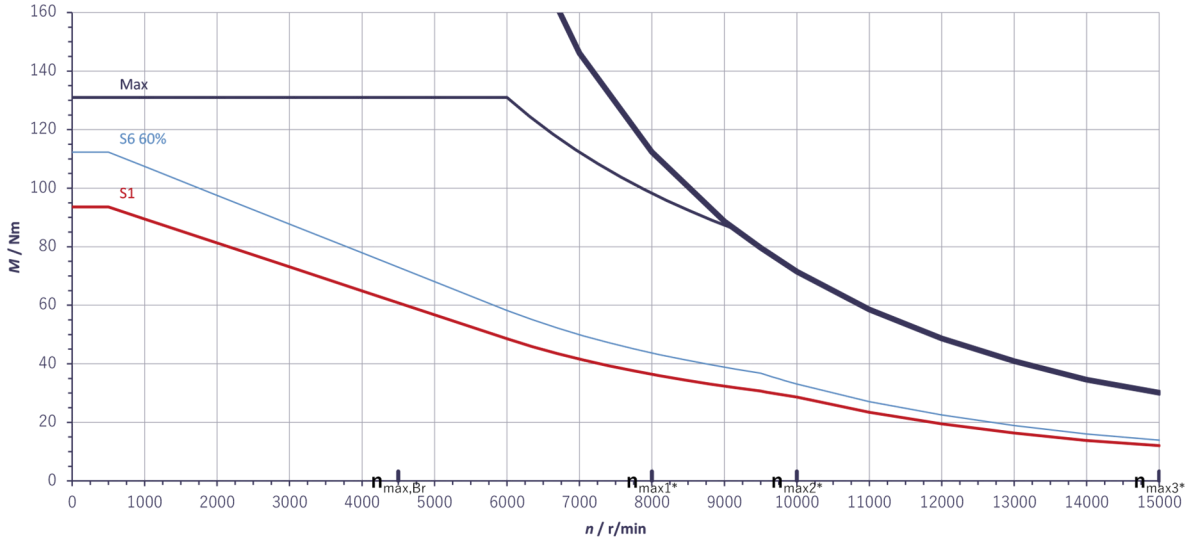




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8135-1□S0, 1PH8135-1□S1, 1PH8135-1□S7, 1PH8135-3□S0, 1PH8135-3□S1, 1PH8135-3□S7 in Delta-connection

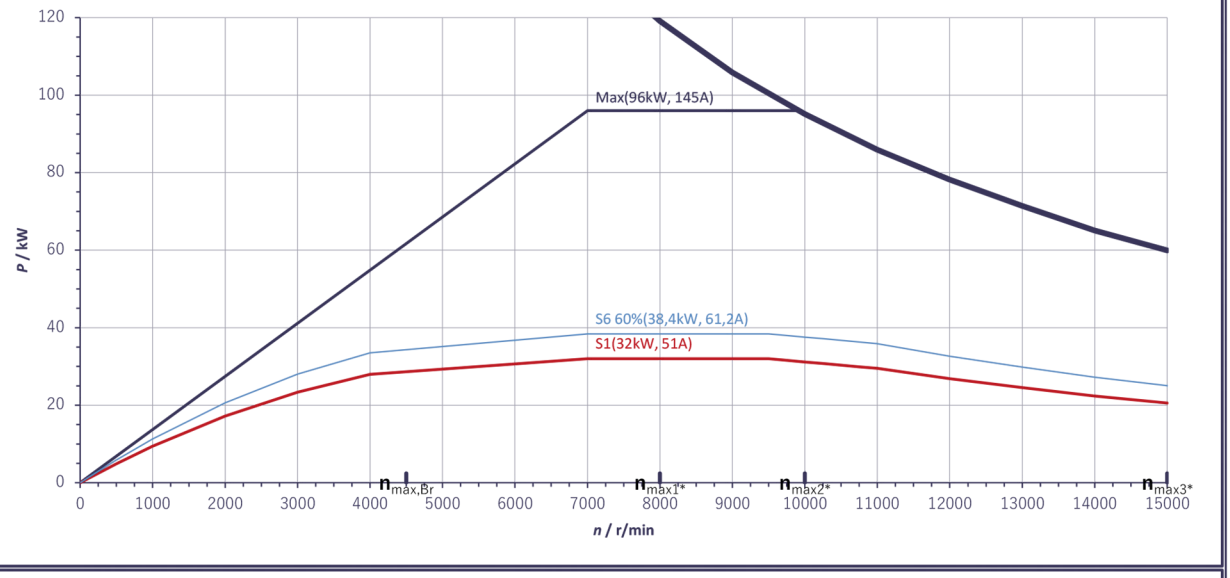
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
6000	30,5	49,0	50,0	8000	10000	15000	4500	9500	131,0	145	94	77,9

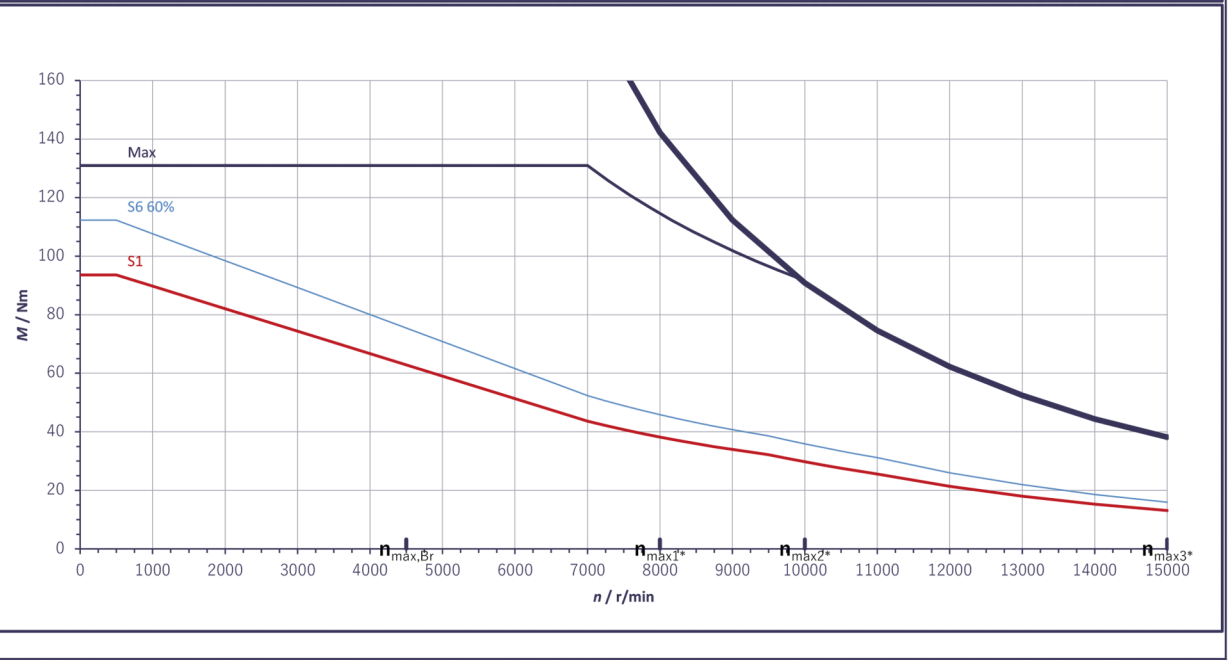




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8135-1□S0, 1PH8135-1□S1, 1PH8135-1□S7, 1PH8135-3□S0, 1PH8135-3□S1, 1PH8135-3□S7 in Delta-connection

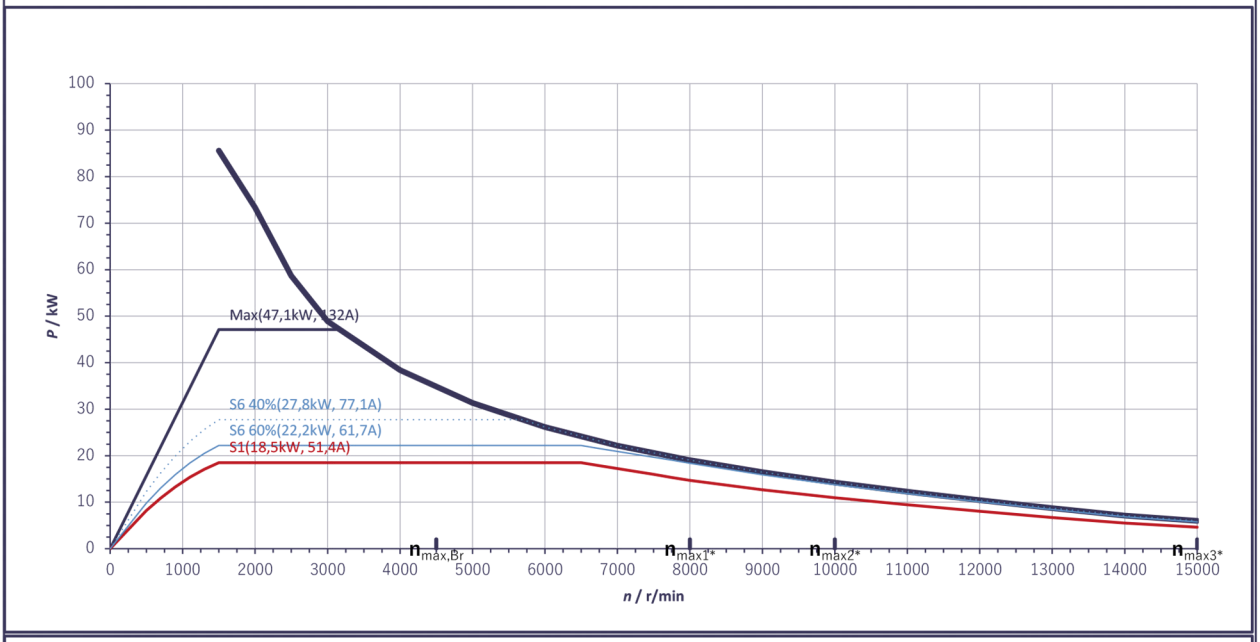
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
7000	32,0	44,0	51,0	8000	10000	15000	4500	9500	131,0	145	94	77,9

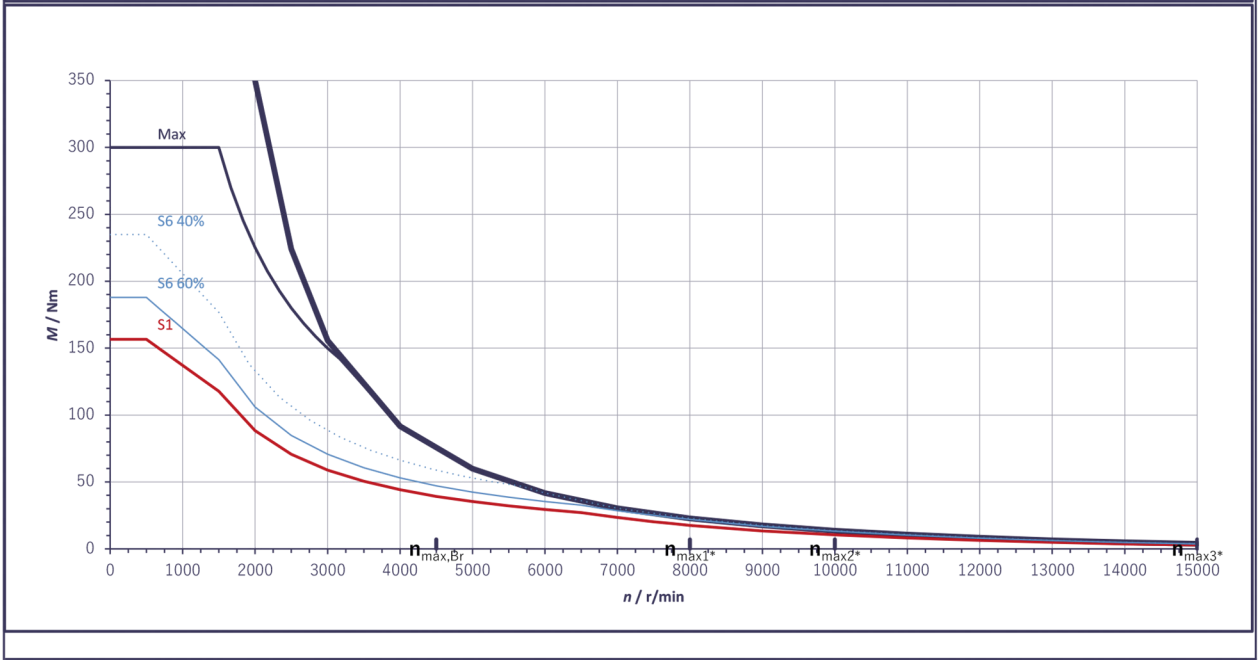




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8135-1□S0, 1PH8135-1□S1, 1PH8135-1□S7, 1PH8135-3□S0, 1PH8135-3□S1, 1PH8135-3□S7 in Star-connection

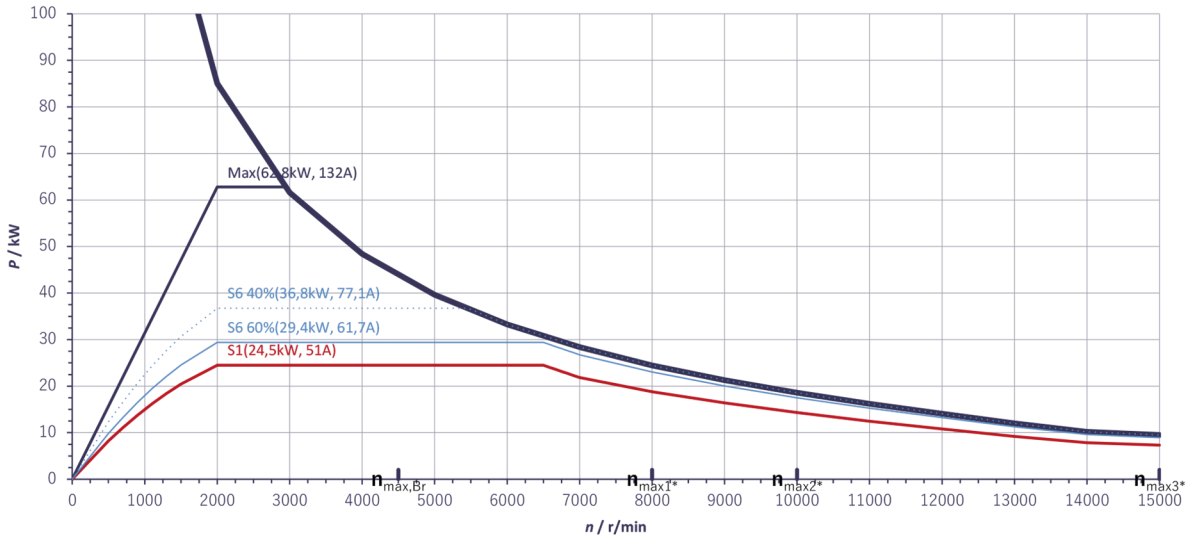
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	18,5	118,0	51,0	8000	10000	15000	4500	6500	300,0	132	157	62,0

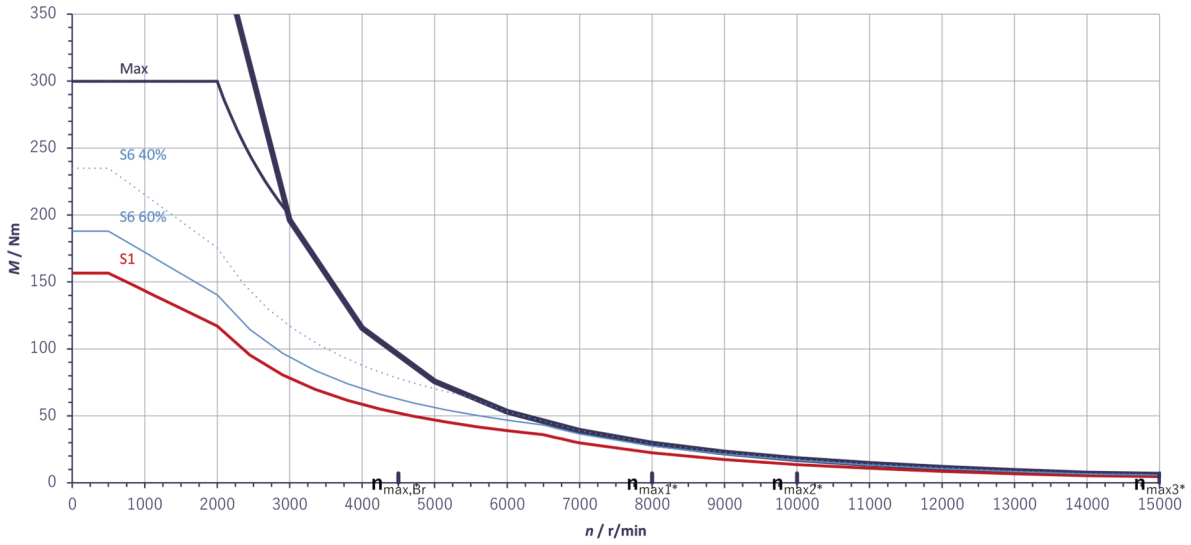




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8135-1□S0, 1PH8135-1□S1, 1PH8135-1□S7, 1PH8135-3□S0, 1PH8135-3□S1, 1PH8135-3□S7 in Star-connection

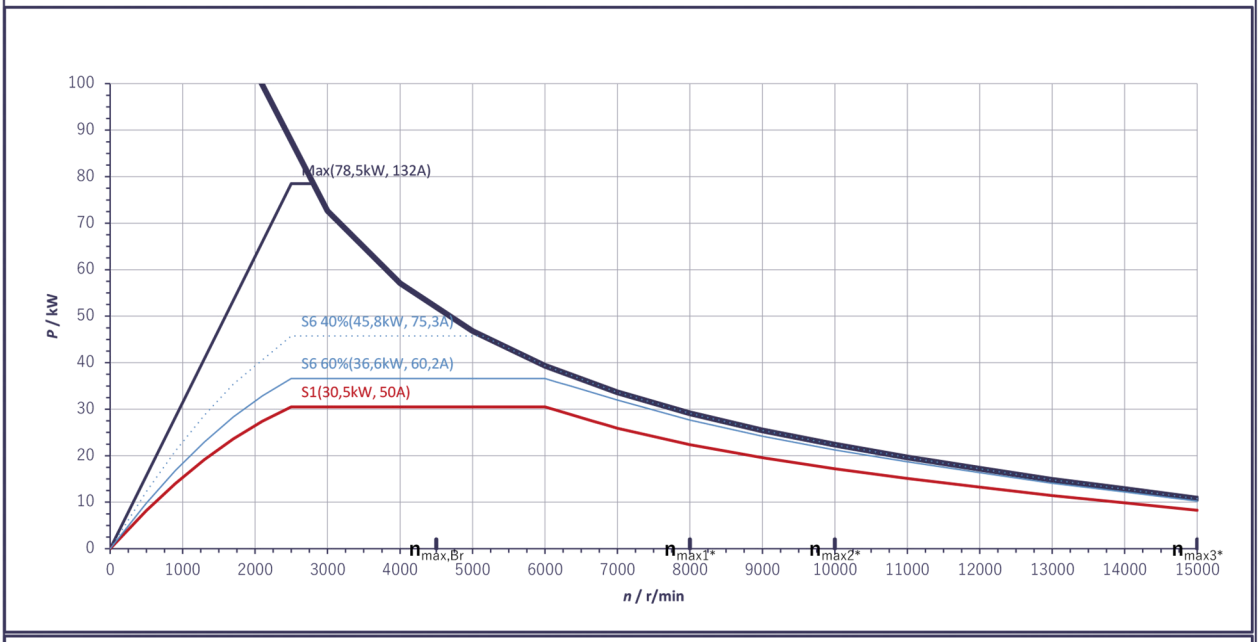
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	24,5	117,0	51,0	8000	10000	15000	4500	6500	300,0	132	157	62,0
1500	18,5	118	51,0					8000				

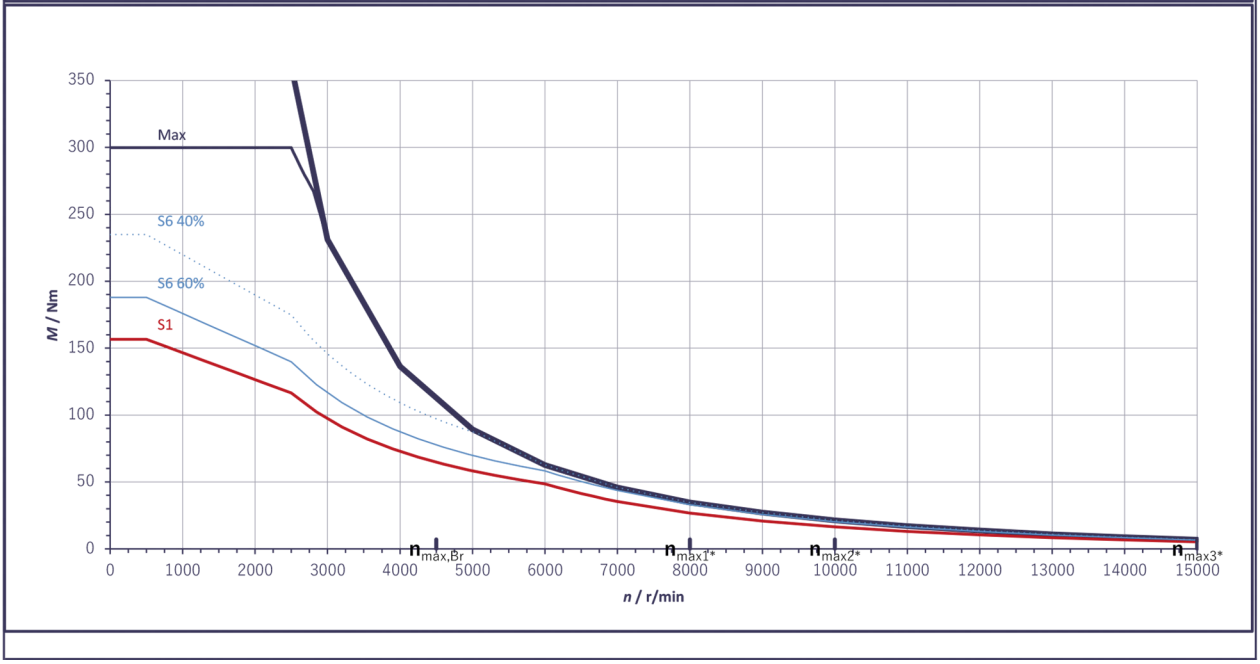




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8135-1□S0, 1PH8135-1□S1, 1PH8135-1□S7, 1PH8135-3□S0, 1PH8135-3□S1, 1PH8135-3□S7 in Star-connection

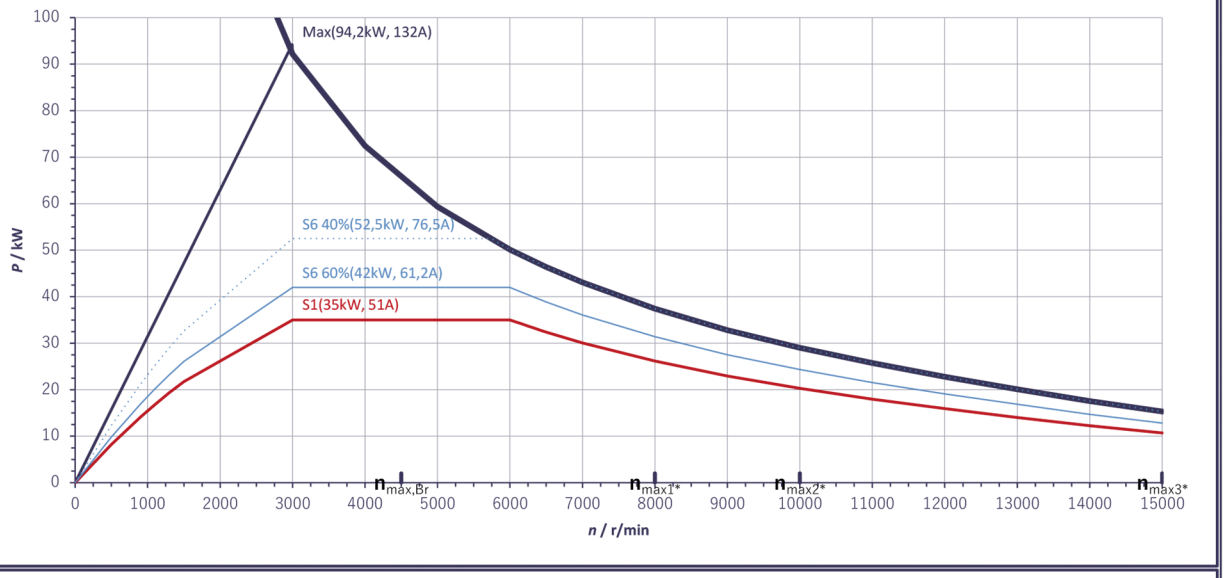
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2500	30,5	117,0	50,0	8000	10000	15000	4500	6000	300,0	132	157	62,0

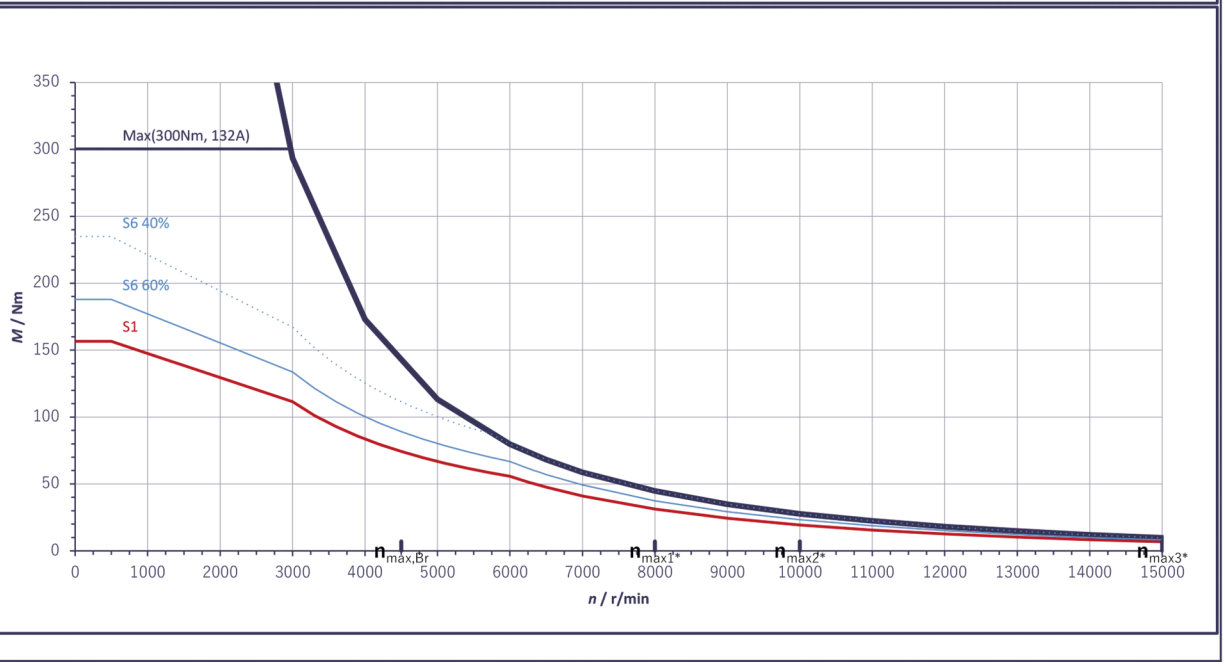




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8135-1□S0, 1PH8135-1□S1, 1PH8135-1□S7, 1PH8135-3□S0, 1PH8135-3□S1, 1PH8135-3□S7 in Star-connection

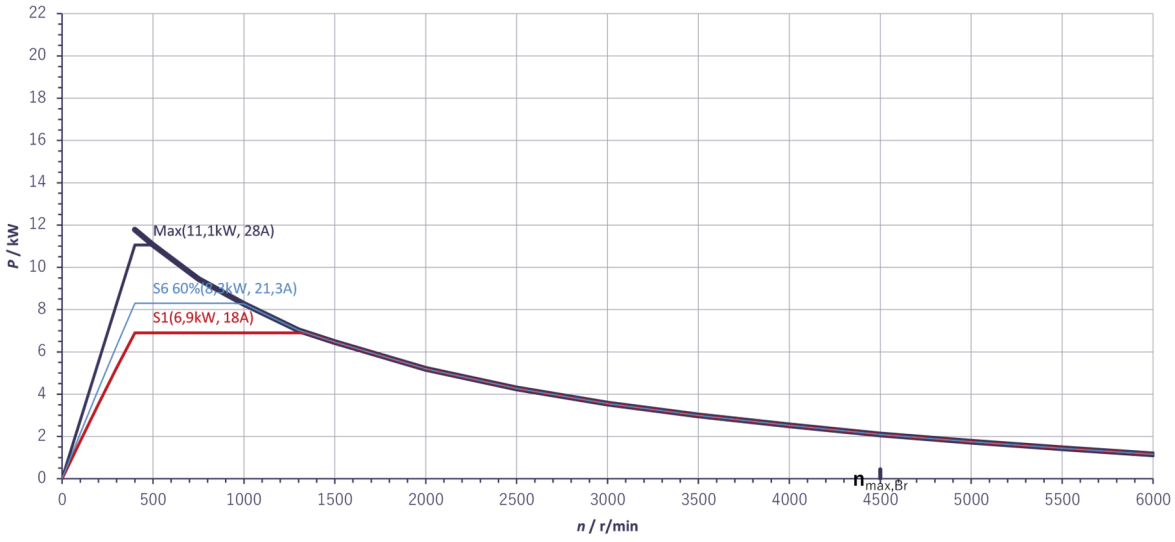
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3000	35,0	111,0	51,0	8000	10000	15000	4500	6000	300,0	132	157	62,0

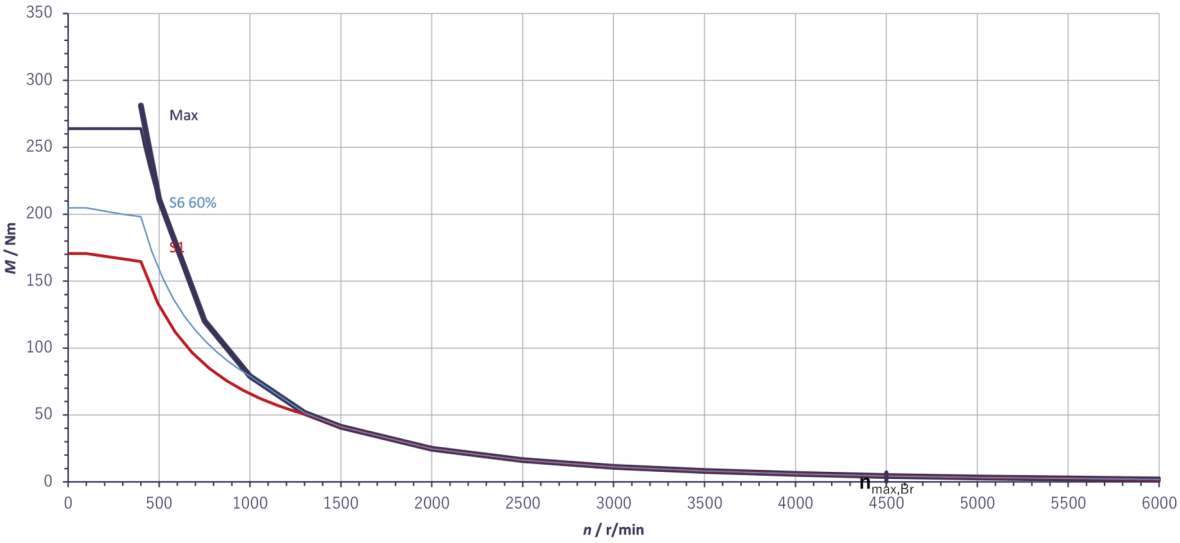




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8137-1□B0, 1PH8137-1□B1, 1PH8137-3□B0, 1PH8137-3□B1 in Star-connection

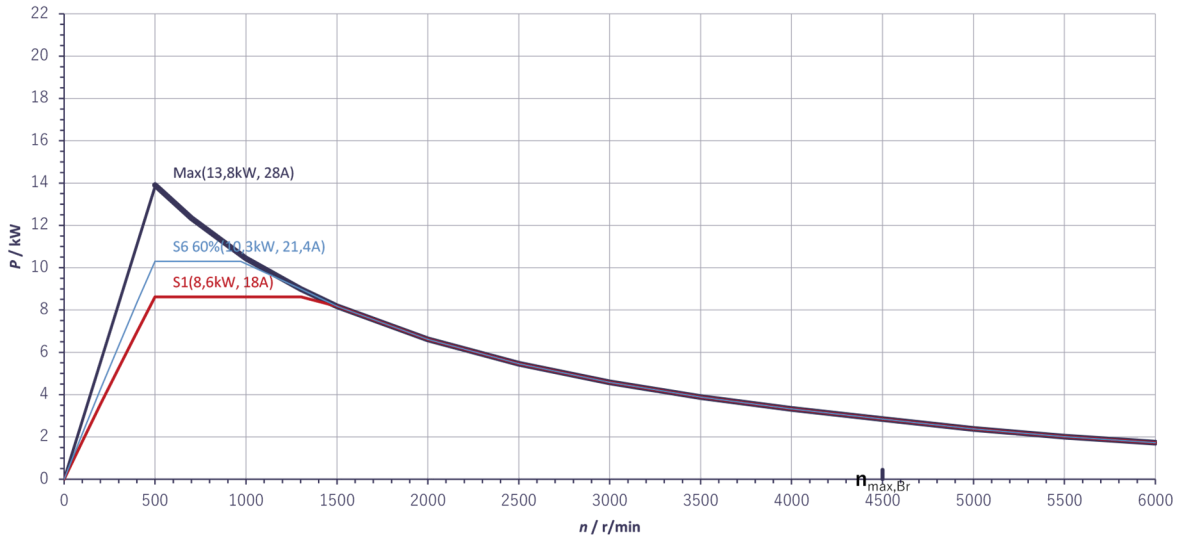
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
400	6,9	165,0	18,0	--	--	--	4500	1300	264,0	28	171	18,6

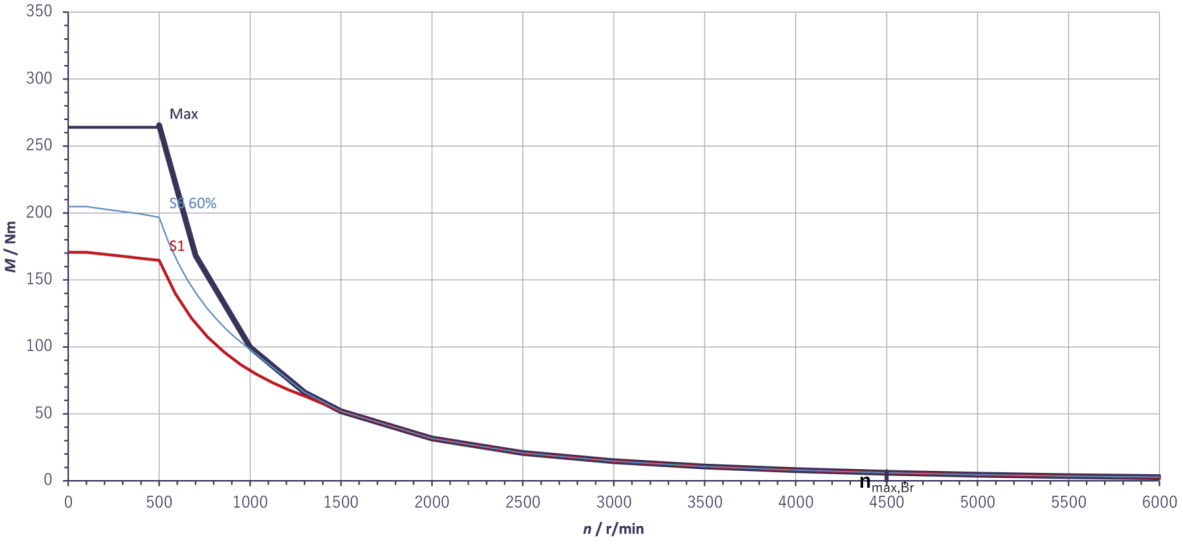




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8137-1□B0, 1PH8137-1□B1, 1PH8137-3□B0, 1PH8137-3□B1 in Star-connection

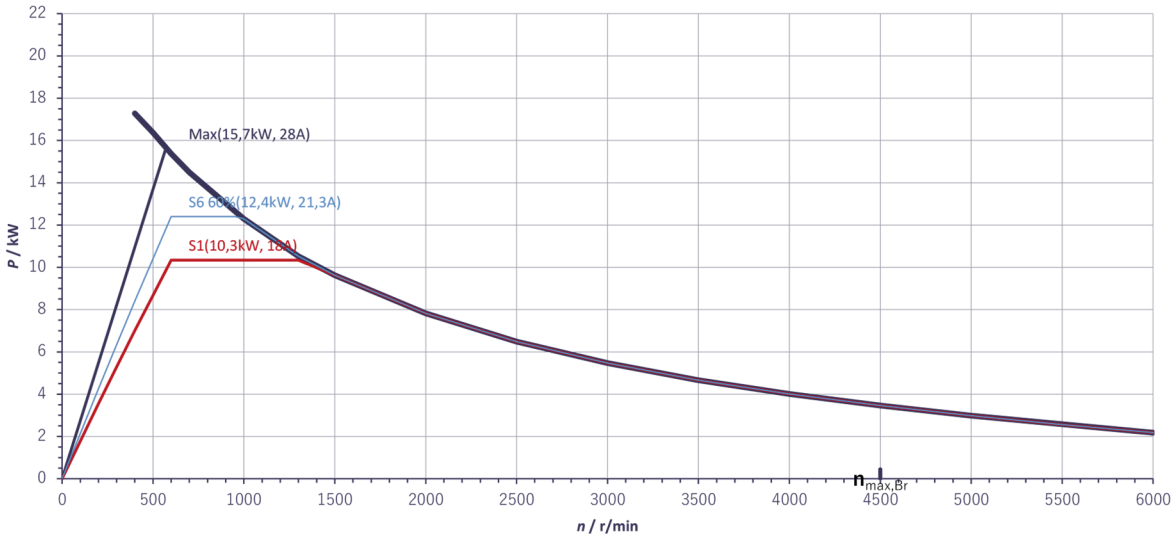
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
500	8,6	165,0	18,0	--	--	--	4500	1400	264,0	28	171	18,6
400	6,9	165	18,0					1900				

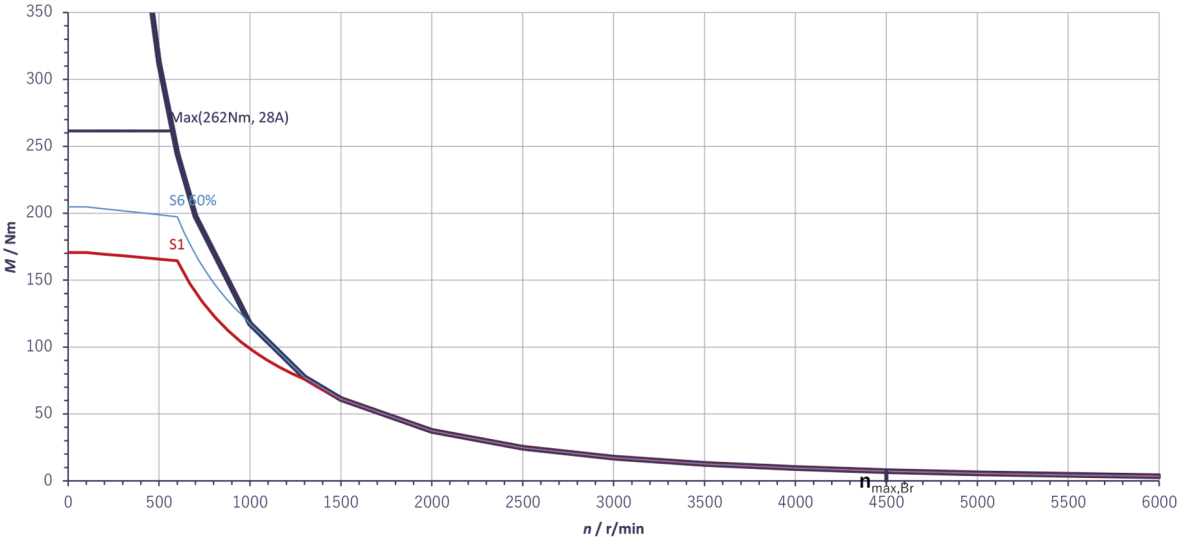




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8137-1□B0, 1PH8137-1□B1, 1PH8137-3□B0, 1PH8137-3□B1 in Star-connection

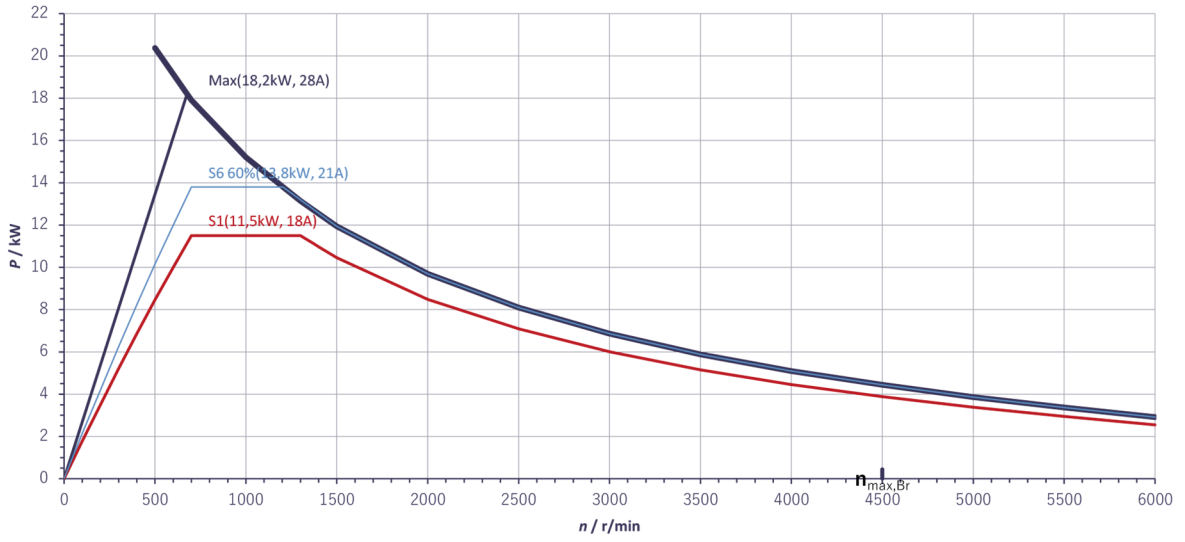
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
600	10,3	165,0	18,0	--	--	--	4500	1300	264,0	28	171	18,6

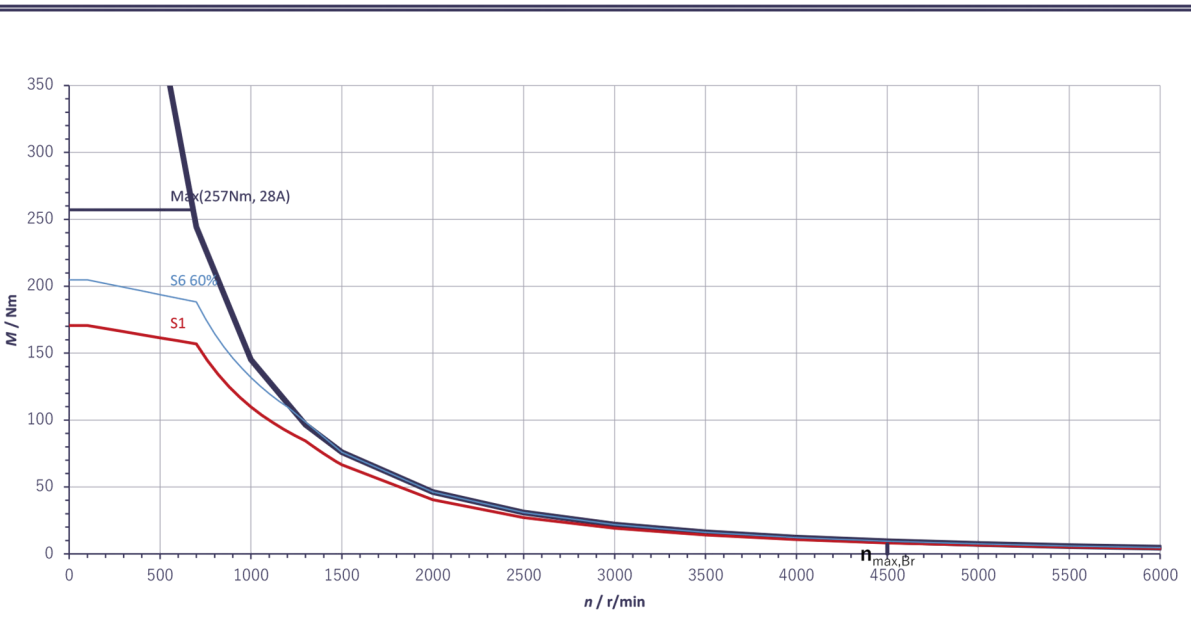




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8137-1□B0, 1PH8137-1□B1, 1PH8137-3□B0, 1PH8137-3□B1 in Star-connection

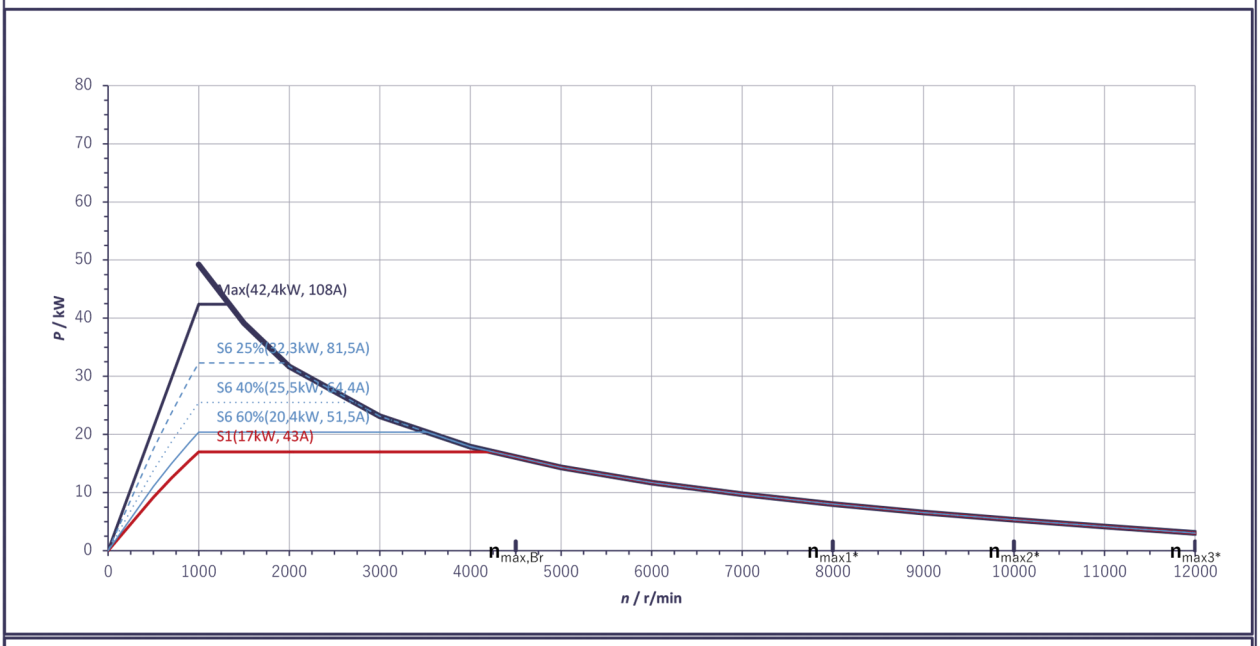
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
700	11,5	157,0	17,5	--	--	--	4500	1300	264,0	28	171	18,6





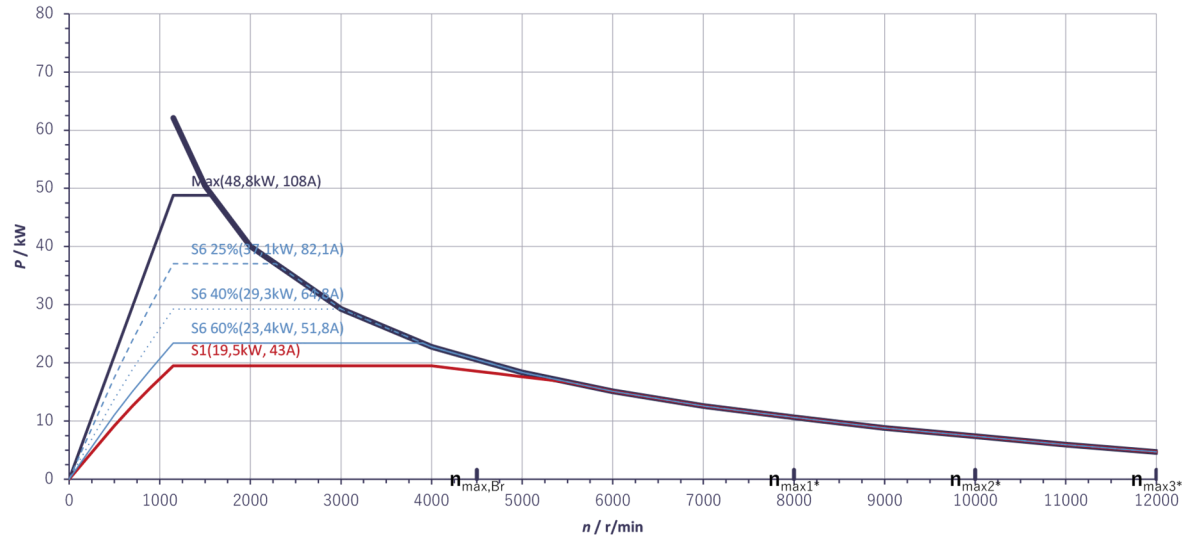
SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8137-1□D0, 1PH8137-1□D1, 1PH8137-3□D0, 1PH8137-3□D1 in Star-connection

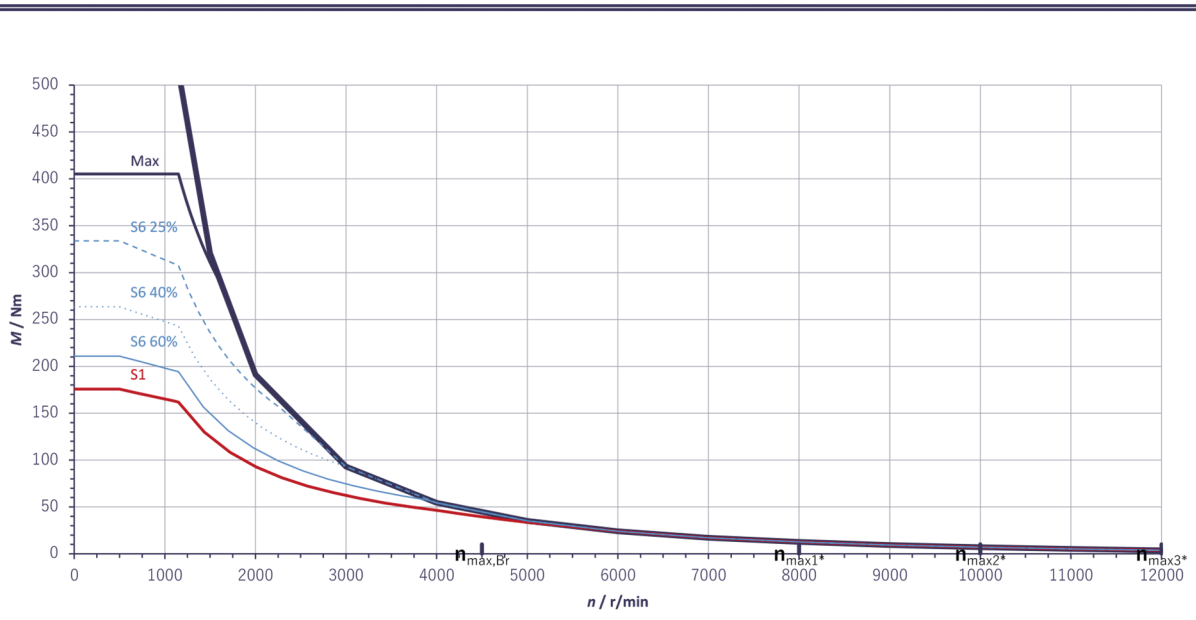
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1000	17,0	162,0	43,0	8000	10000	12000	4500	4300	405,0	108	176	45,0



SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8137-1□D0, 1PH8137-1□D1, 1PH8137-3□D0, 1PH8137-3□D1 in Star-connection

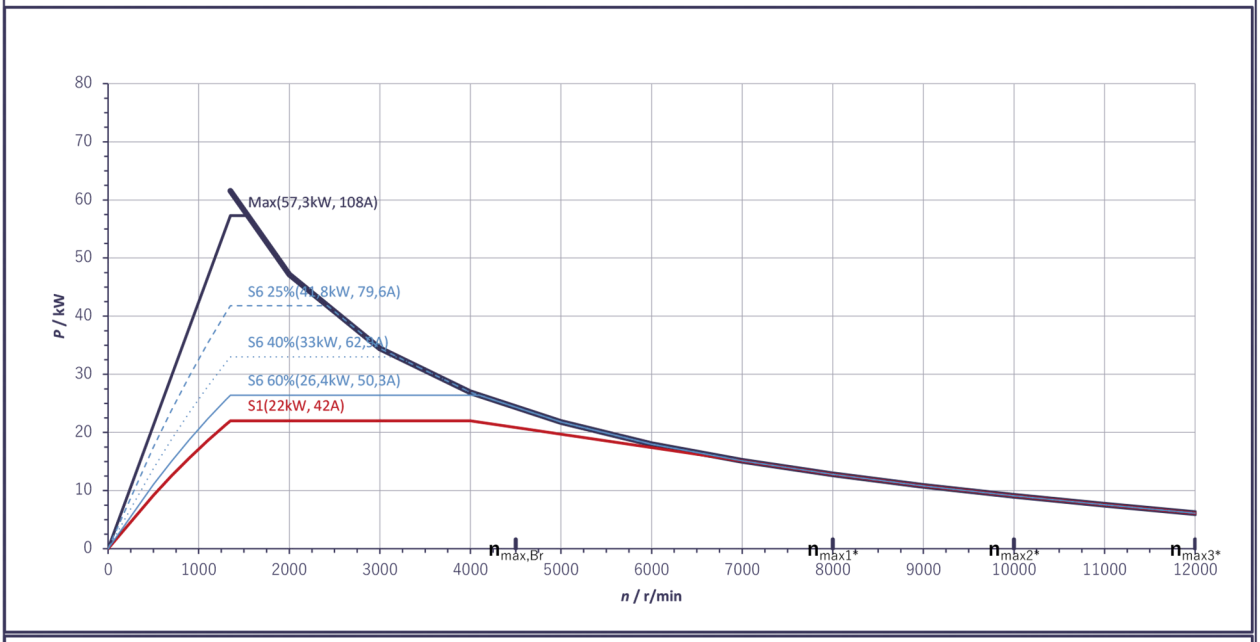
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1150	19,5	162,0	43,0	8000	10000	12000	4500	4000	405,0	108	176	45,0
1000	17,0	162	43,0					5400				

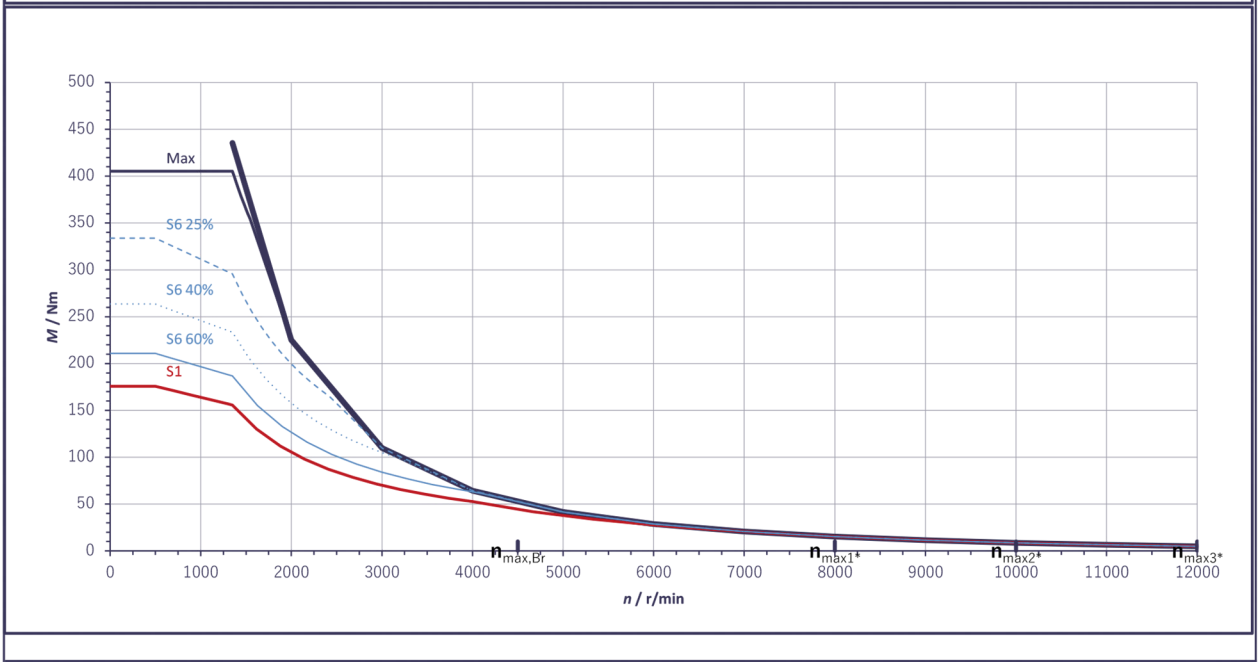




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8137-1□D0, 1PH8137-1□D1, 1PH8137-3□D0, 1PH8137-3□D1 in Star-connection

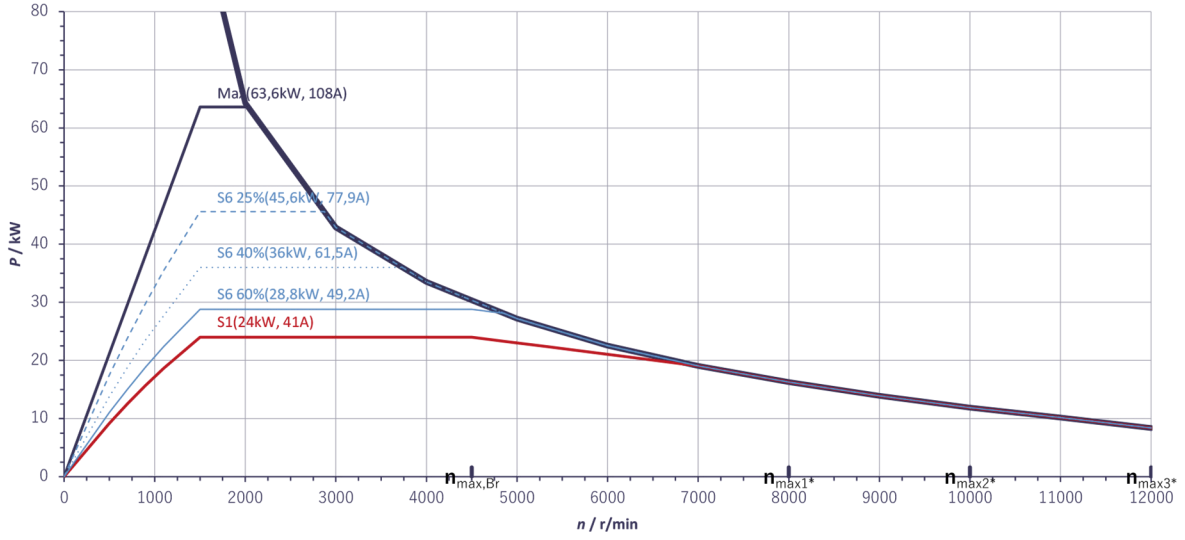
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1350	22,0	156,0	42,0	8000	10000	12000	4500	4000	405,0	108	176	45,0

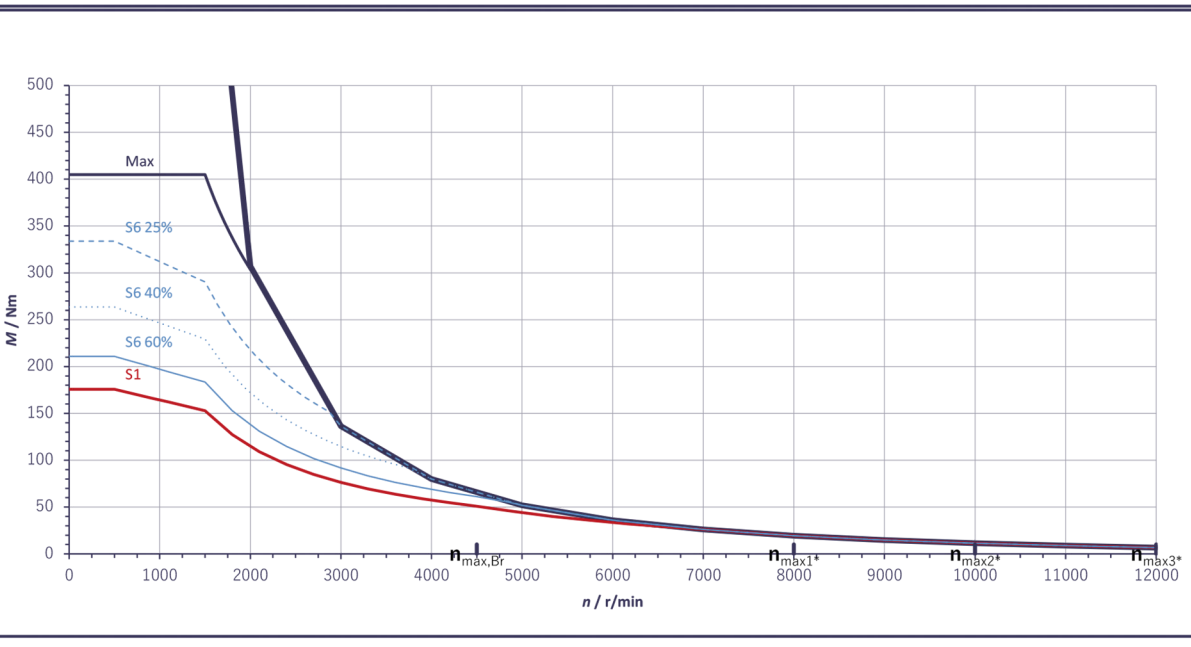




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8137-1□D0, 1PH8137-1□D1, 1PH8137-3□D0, 1PH8137-3□D1 in Star-connection

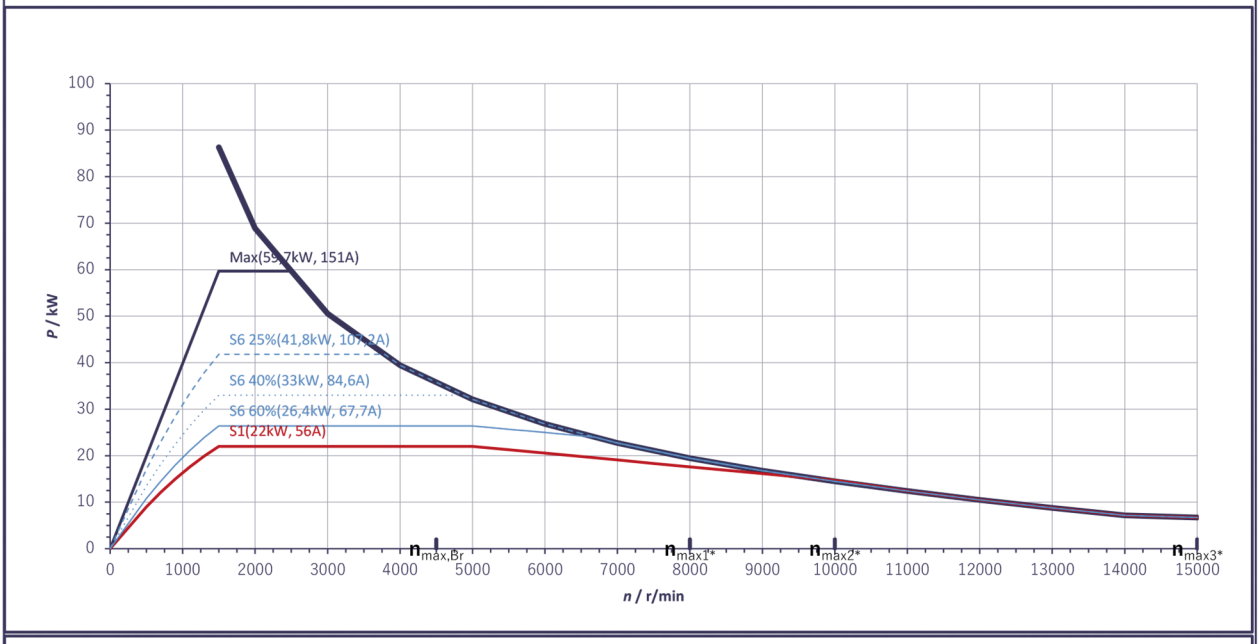
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	24,0	153,0	41,0	8000	10000	12000	4500	4500	405,0	108	176	45,0

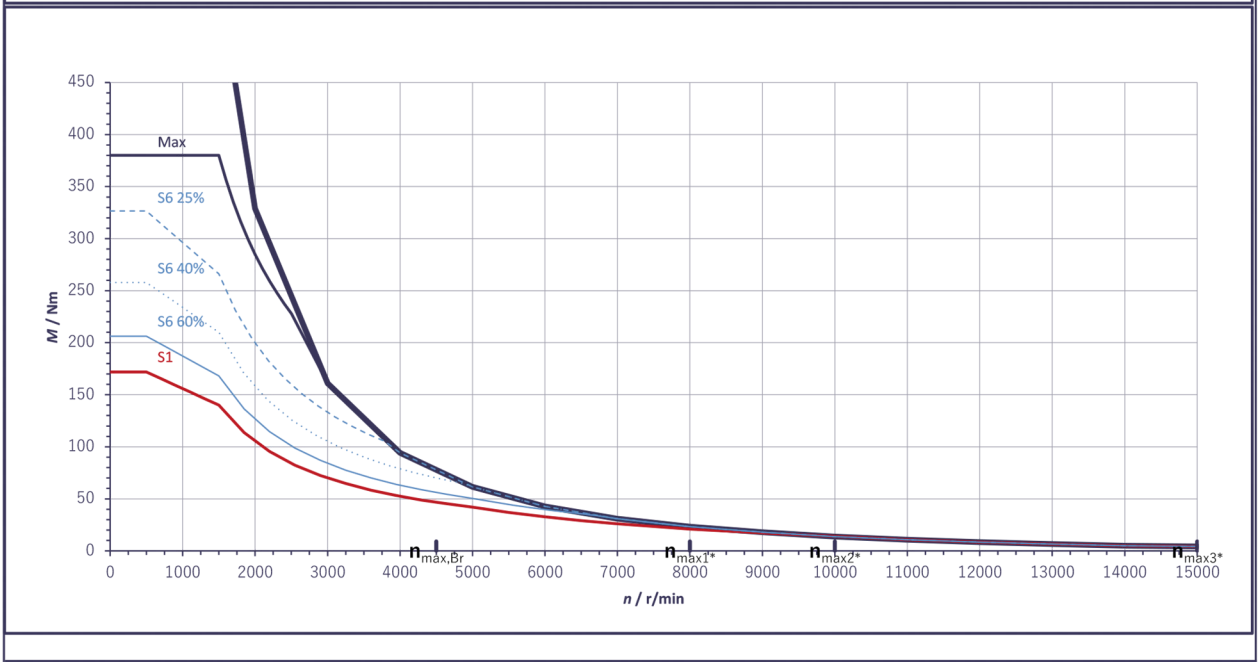




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8137-1□F0, 1PH8137-1□F1, 1PH8137-3□F0, 1PH8137-3□F1 in Star-connection

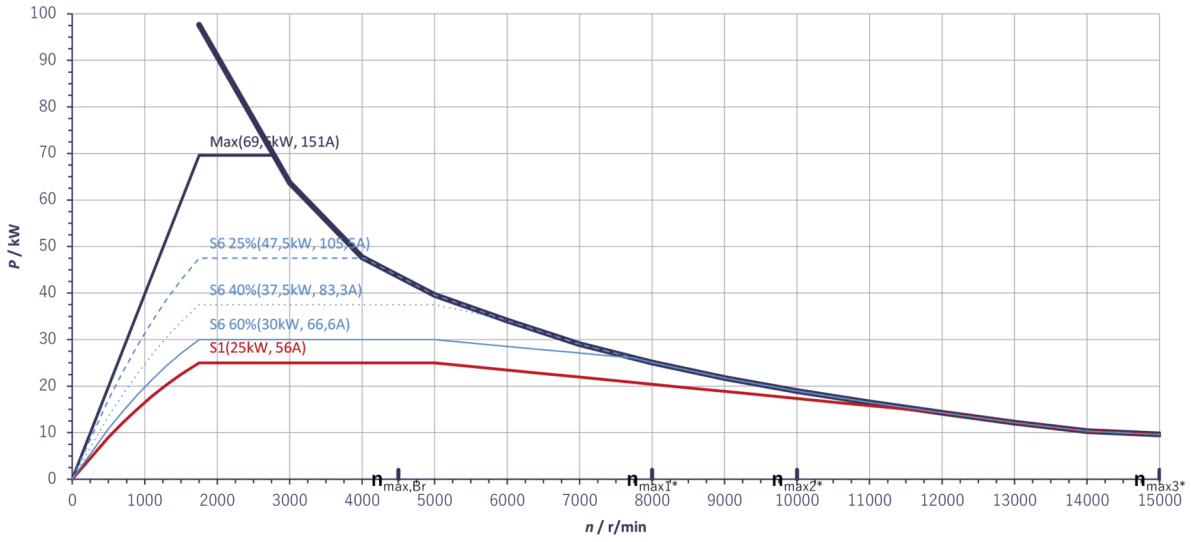
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	22,0	140,0	56,0	8000	10000	15000	4500	5000	380,0	151	172	68,0

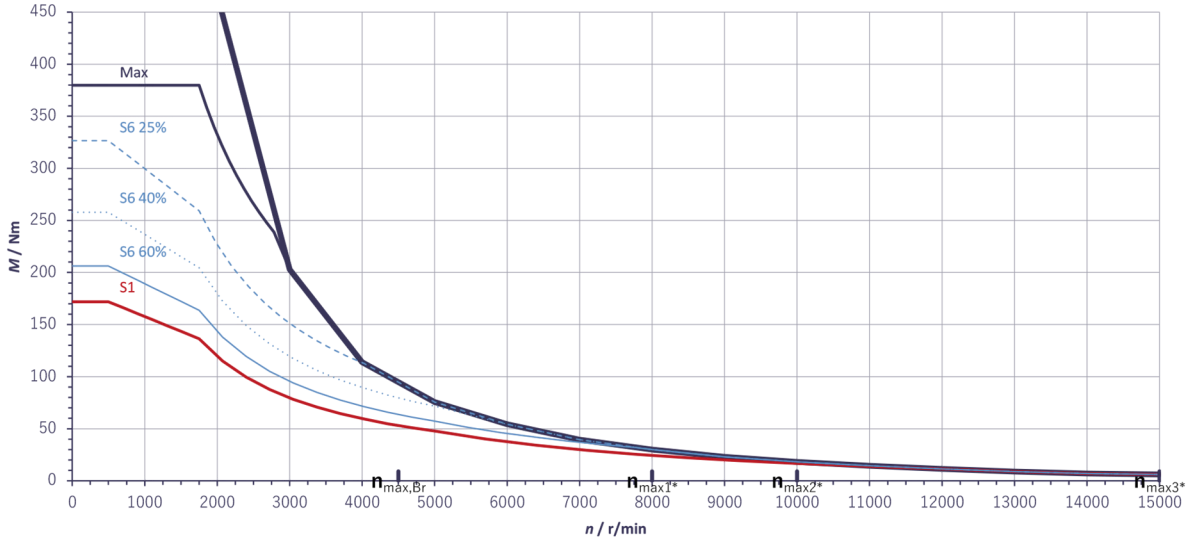




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8137-1□F0, 1PH8137-1□F1, 1PH8137-3□F0, 1PH8137-3□F1 in Star-connection

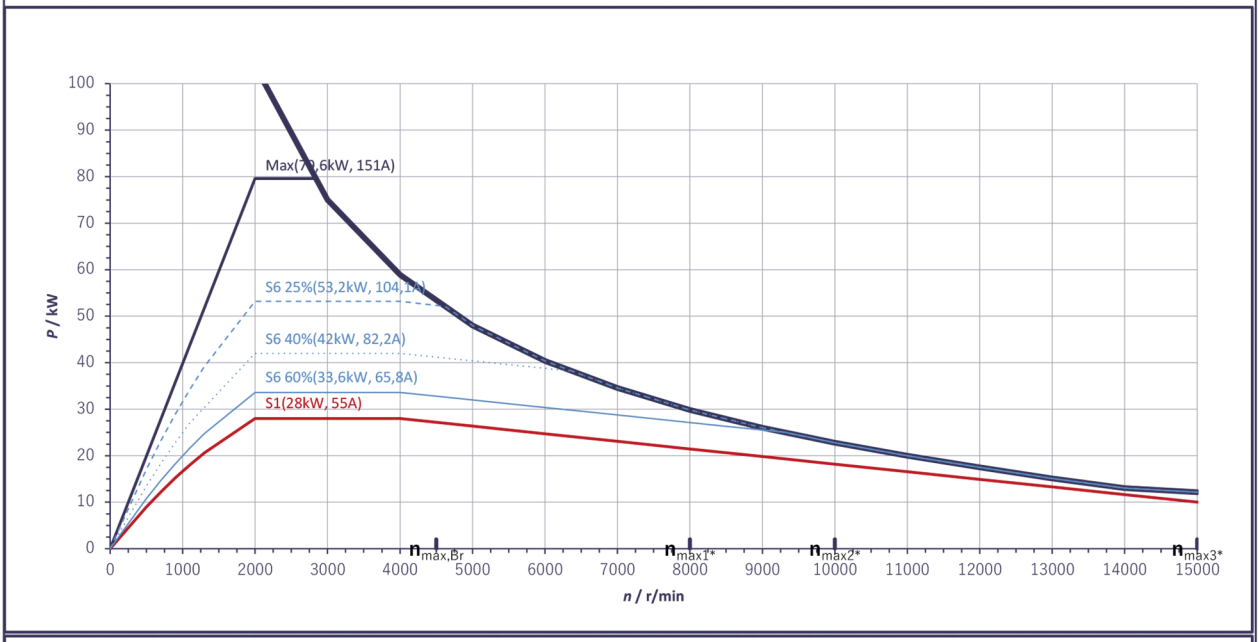
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	25,0	136,0	56,0	8000	10000	15000	4500	5000	380,0	151	172	68,0
1500	22,0	140	56,0					7000				

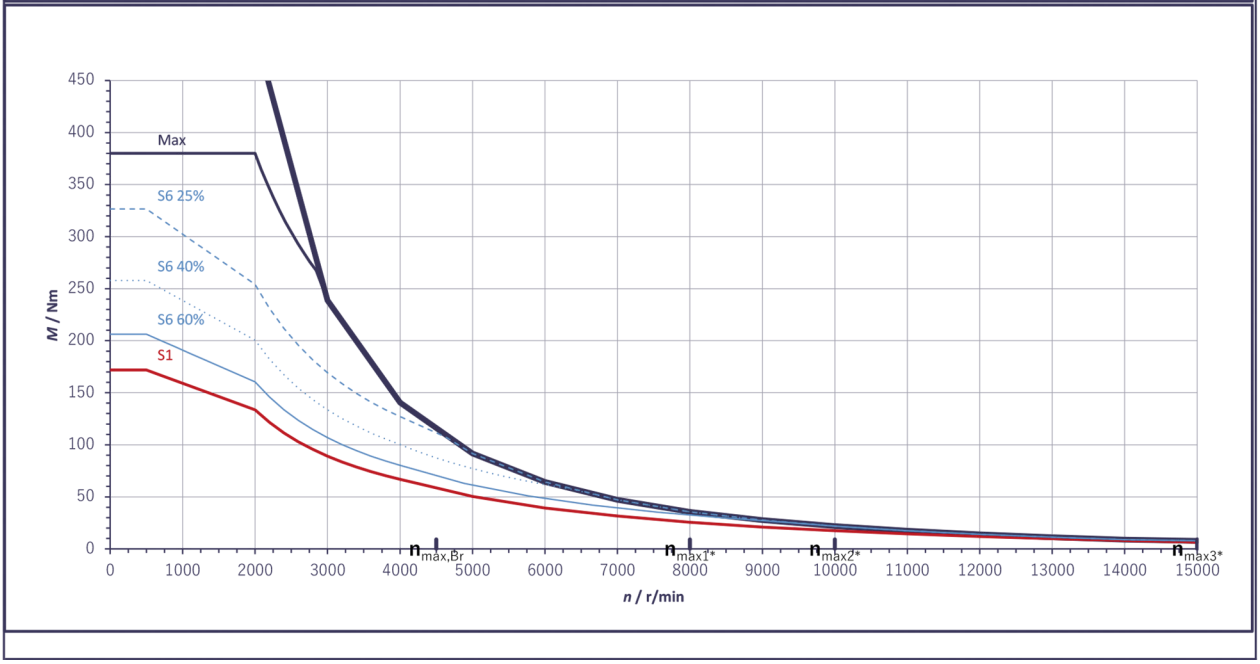




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8137-1□F0, 1PH8137-1□F1, 1PH8137-3□F0, 1PH8137-3□F1 in Star-connection

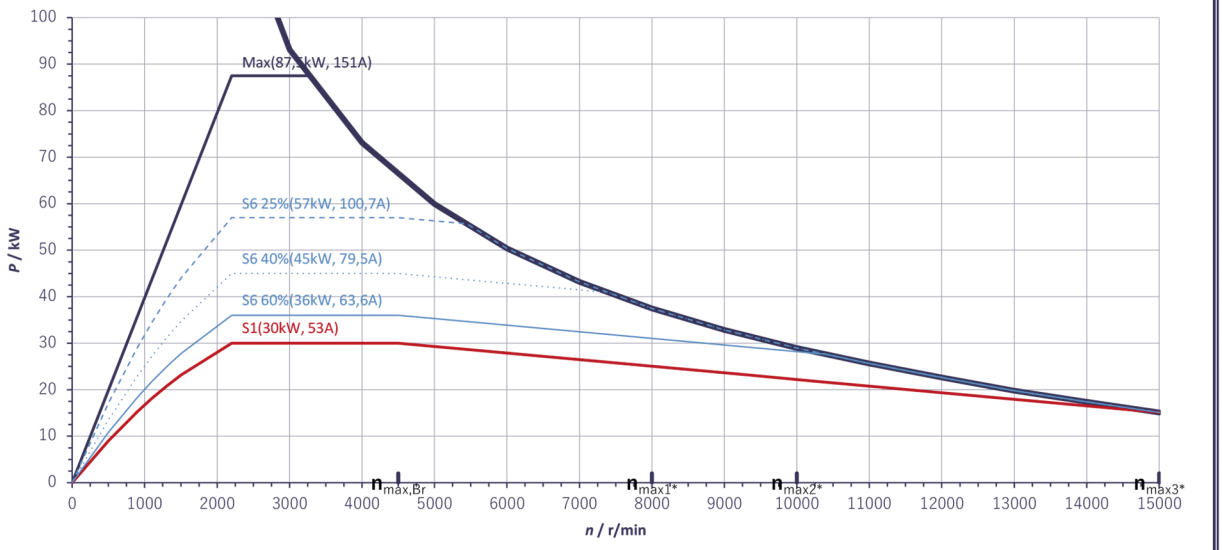
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	28,0	134,0	55,0	8000	10000	15000	4500	4000	380,0	151	172	68,0

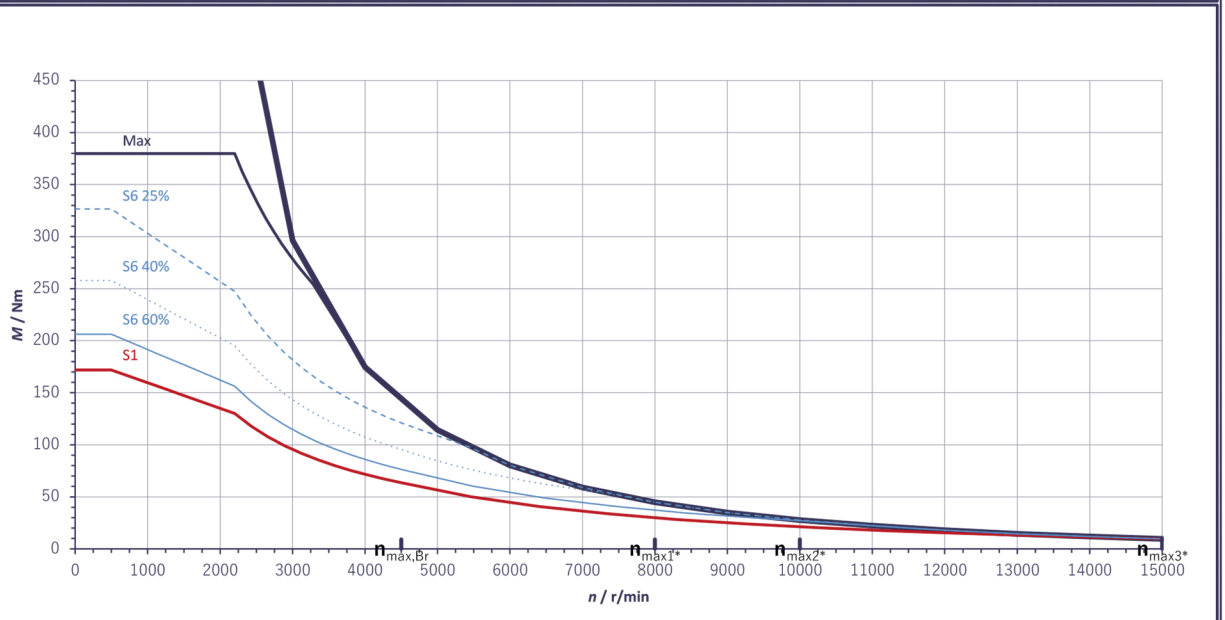




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8137-1□F0, 1PH8137-1□F1, 1PH8137-3□F0, 1PH8137-3□F1 in Star-connection

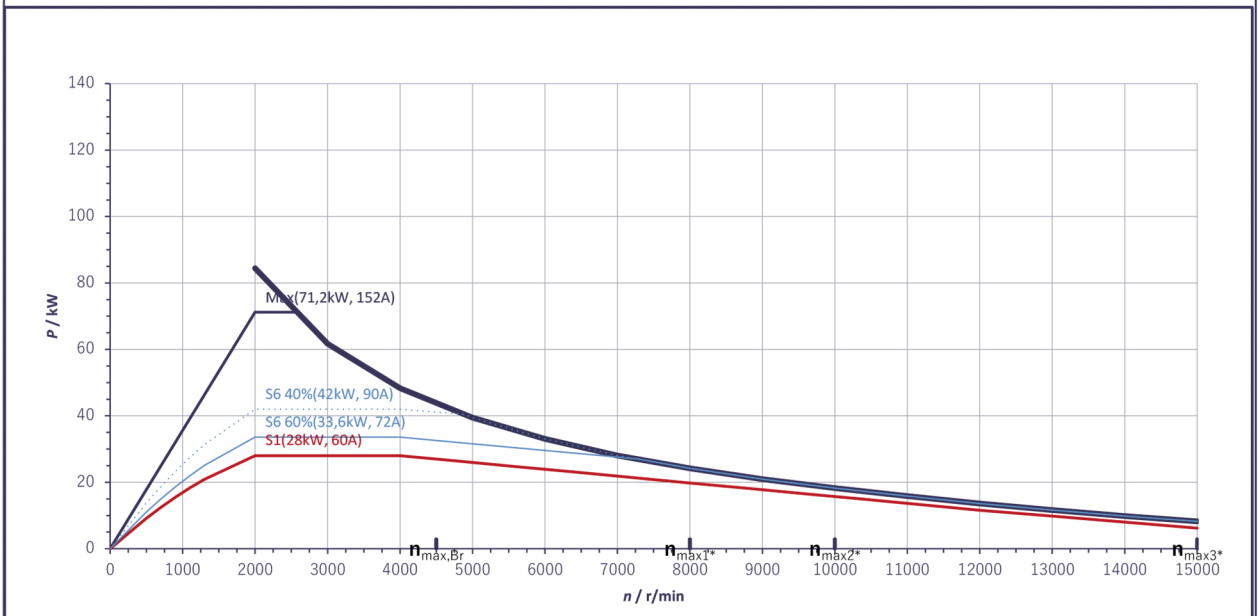
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	30,0	130,0	53,0	8000	10000	15000	4500	4500	380,0	151	172	68,0

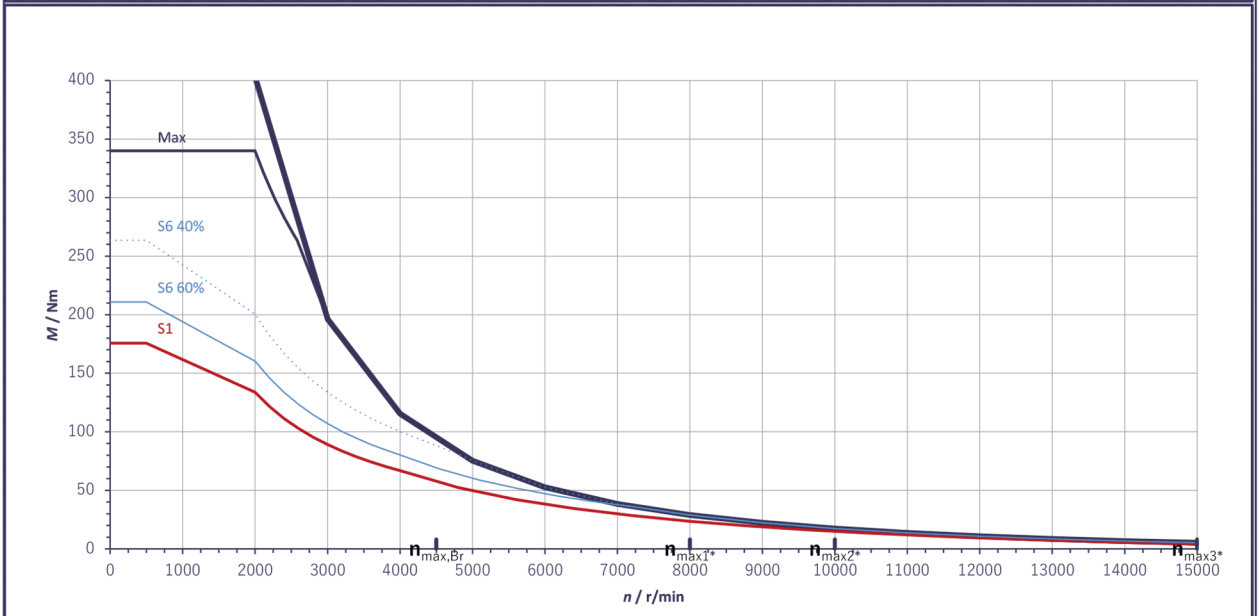




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8137-1□G0, 1PH8137-1□G1, 1PH8137-3□G0, 1PH8137-3□G1 in Star-connection

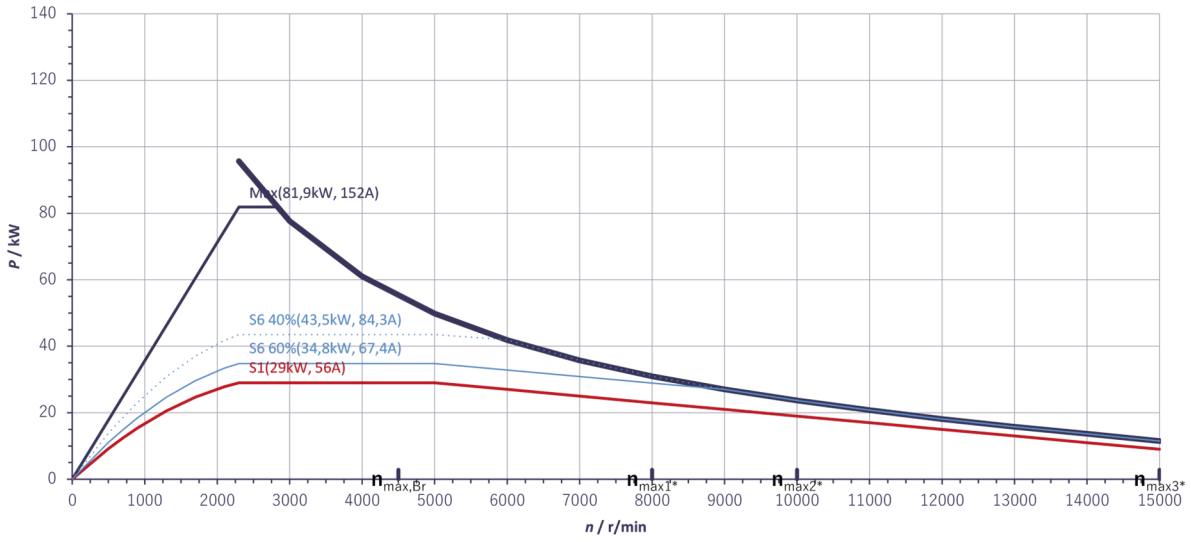
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	28,0	134,0	60,0	8000	10000	15000	4500	4000	340,0	152	176	73,0

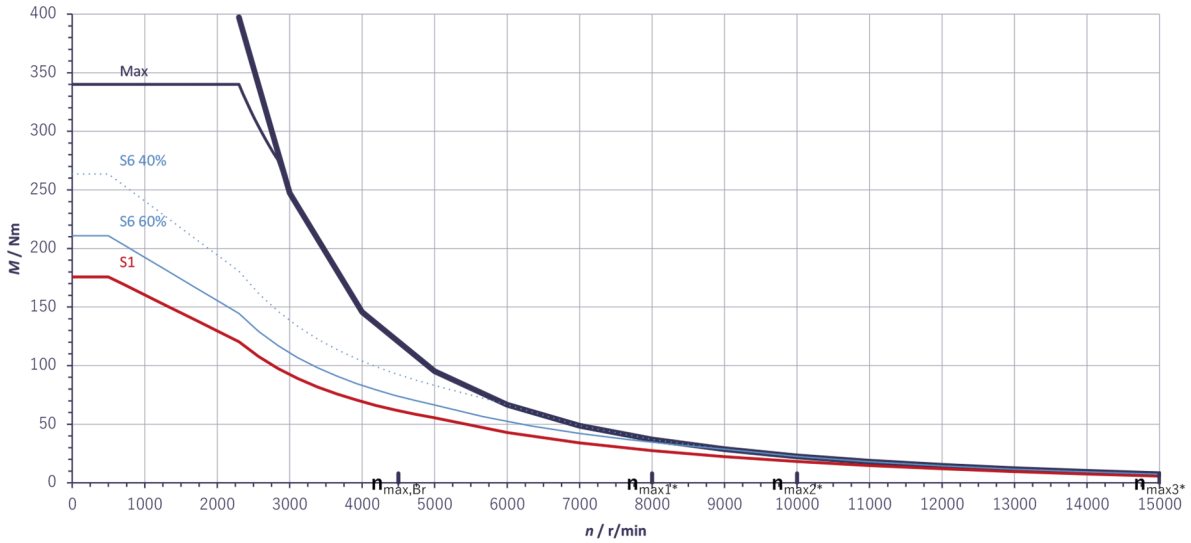




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8137-1□G0, 1PH8137-1□G1, 1PH8137-3□G0, 1PH8137-3□G1 in Star-connection

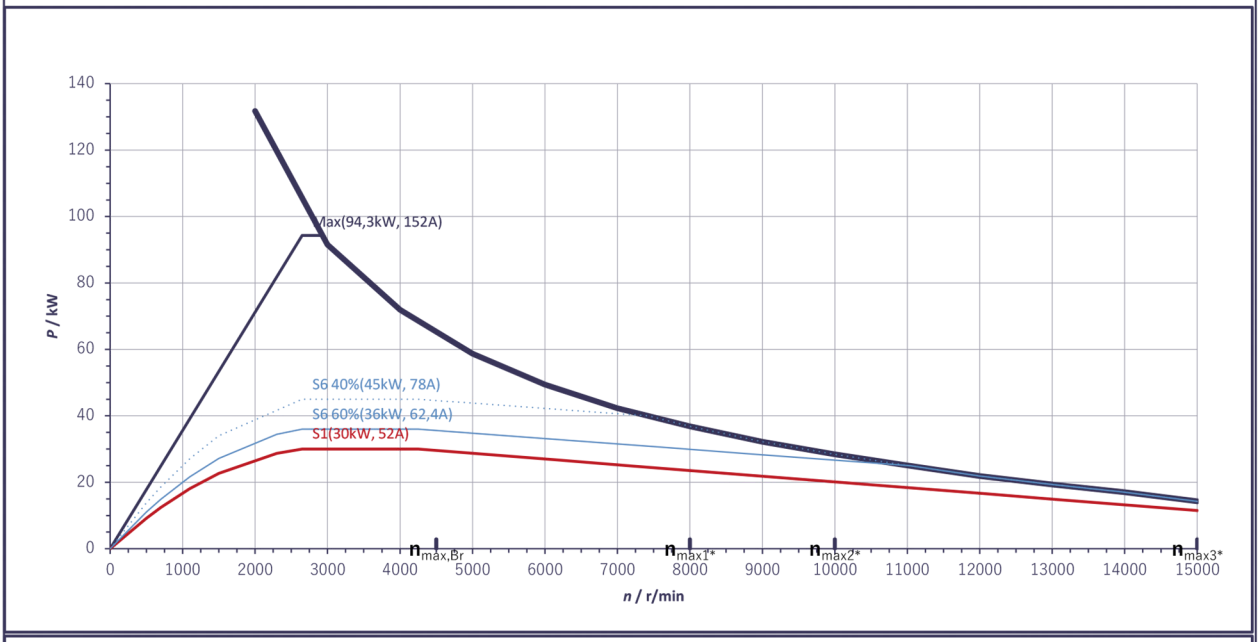
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	29,0	120,0	56,0	8000	10000	15000	4500	5000	340,0	152	176	73,0
2000	28,0	134	60,0					5500				

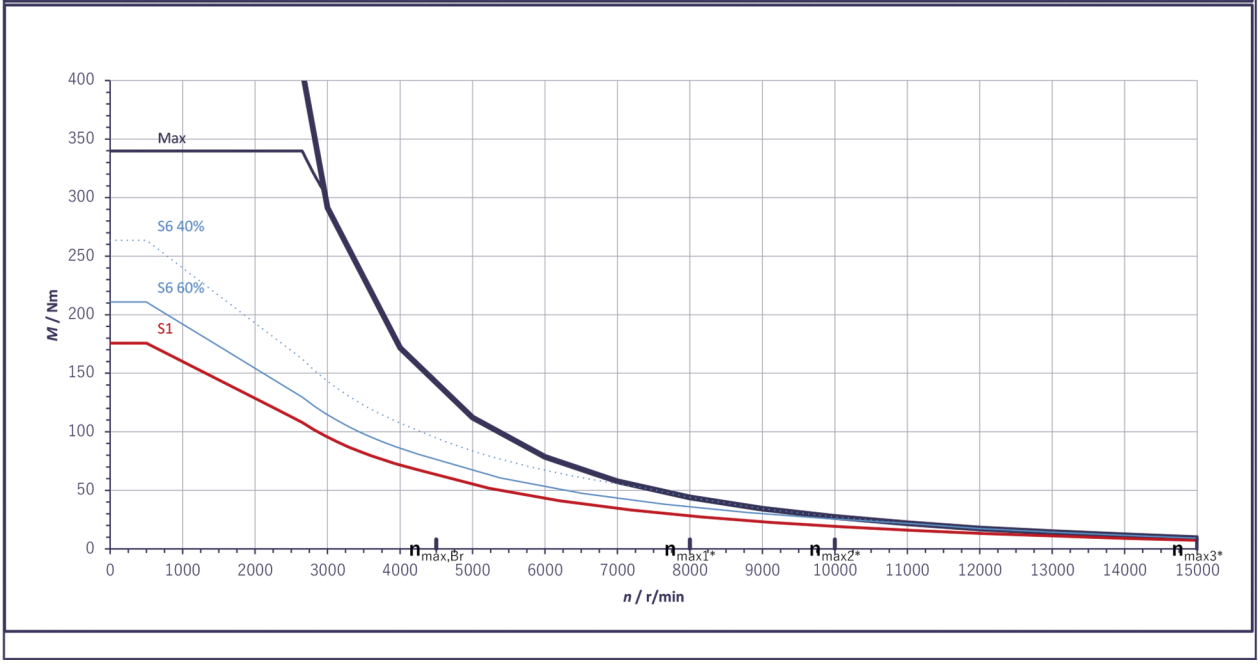




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8137-1□G0, 1PH8137-1□G1, 1PH8137-3□G0, 1PH8137-3□G1 in Star-connection

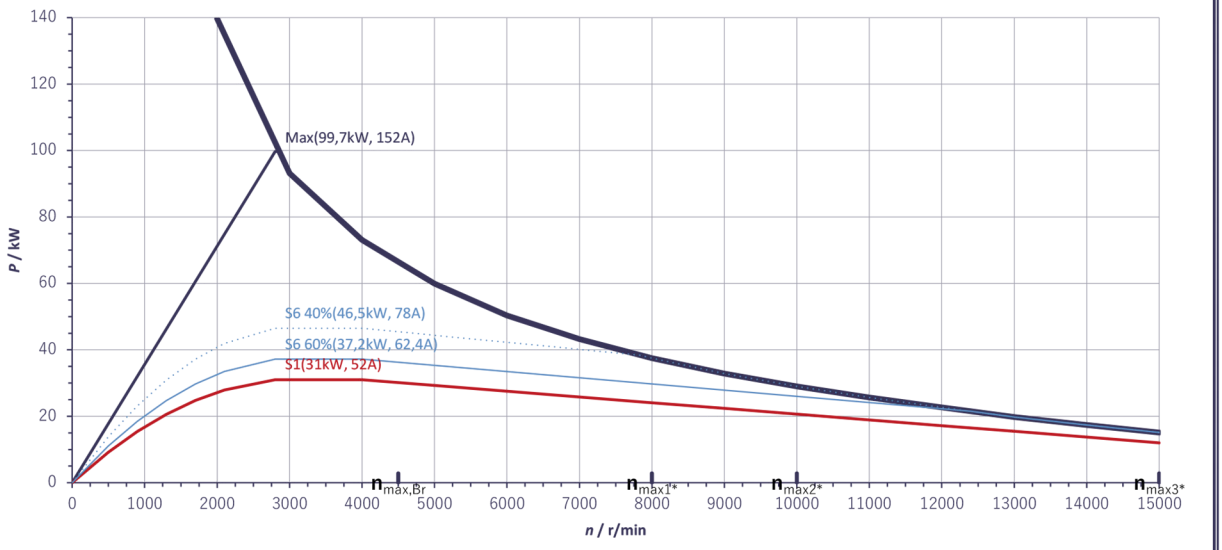
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	30,0	108,0	52,0	8000	10000	15000	4500	4250	340,0	152	176	73,0

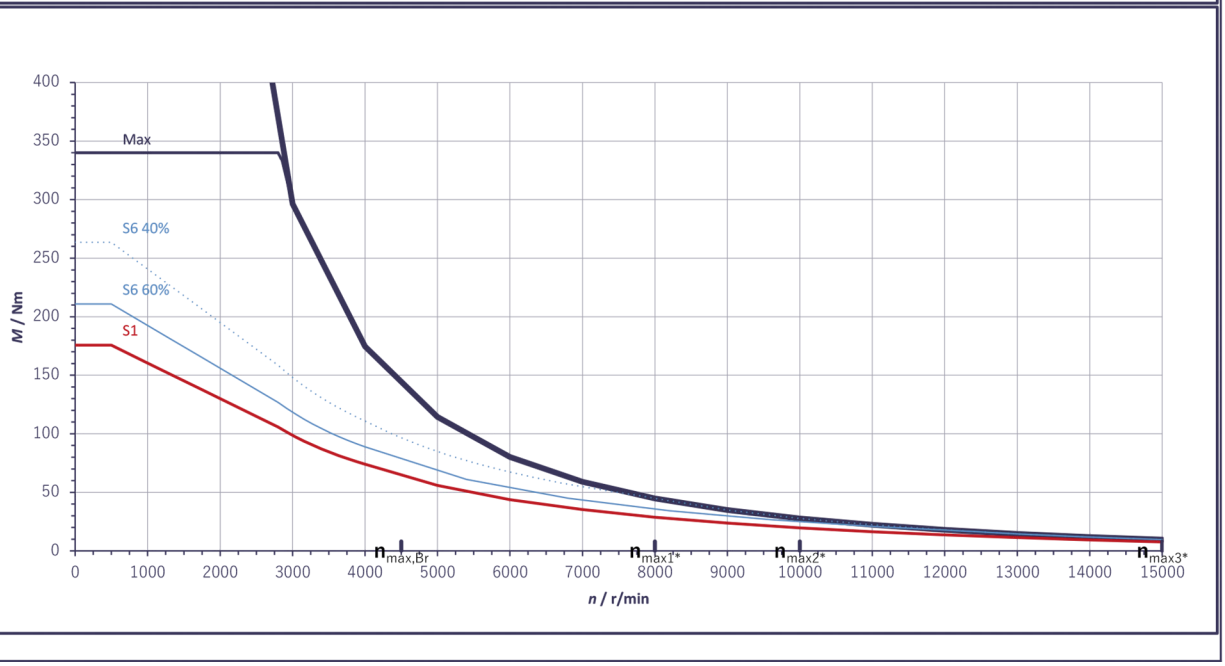




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8137-1□G0, 1PH8137-1□G1, 1PH8137-3□G0, 1PH8137-3□G1 in Star-connection

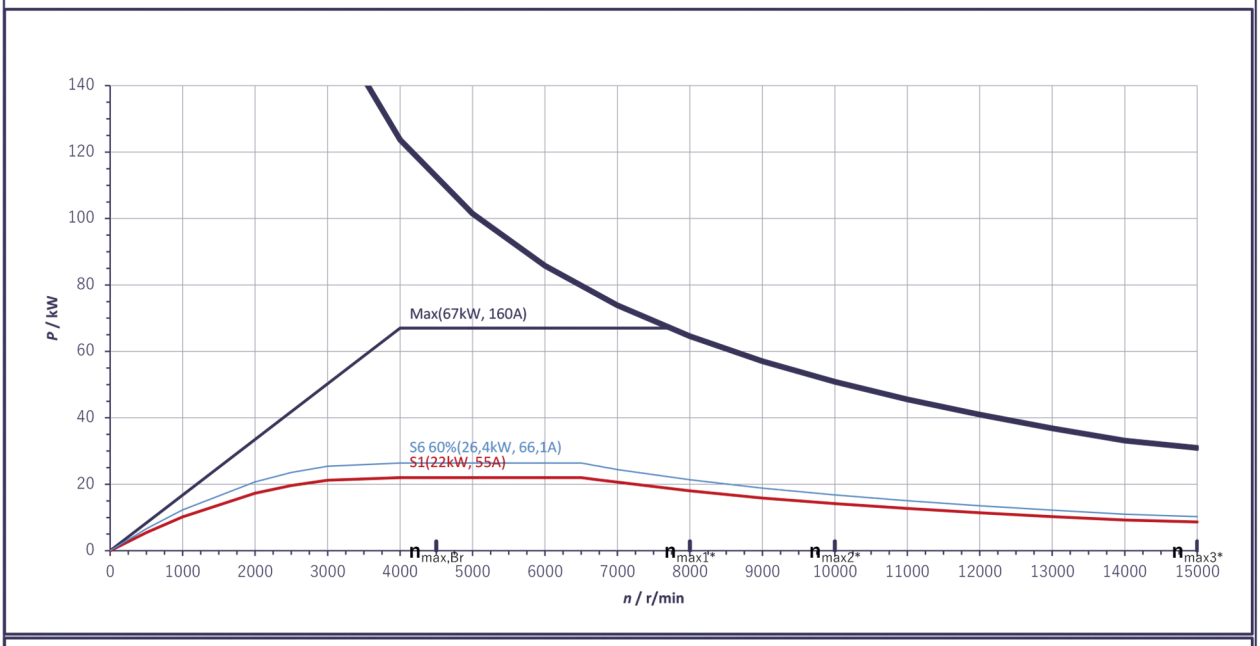
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	31,0	106,0	52,0	8000	10000	15000	4500	4000	340,0	152	176	73,0

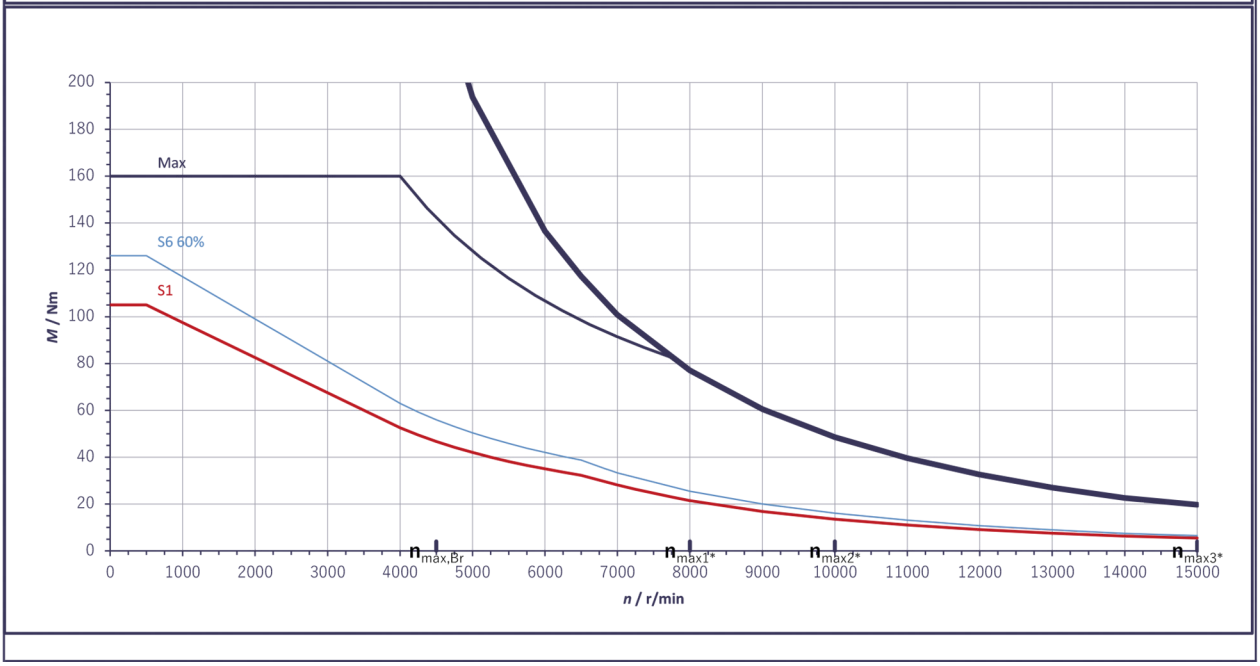




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8137-1□S0, 1PH8137-1□S1, 1PH8137-1□S7, 1PH8137-3□S0, 1PH8137-3□S1, 1PH8137-3□S7 in Delta-connection

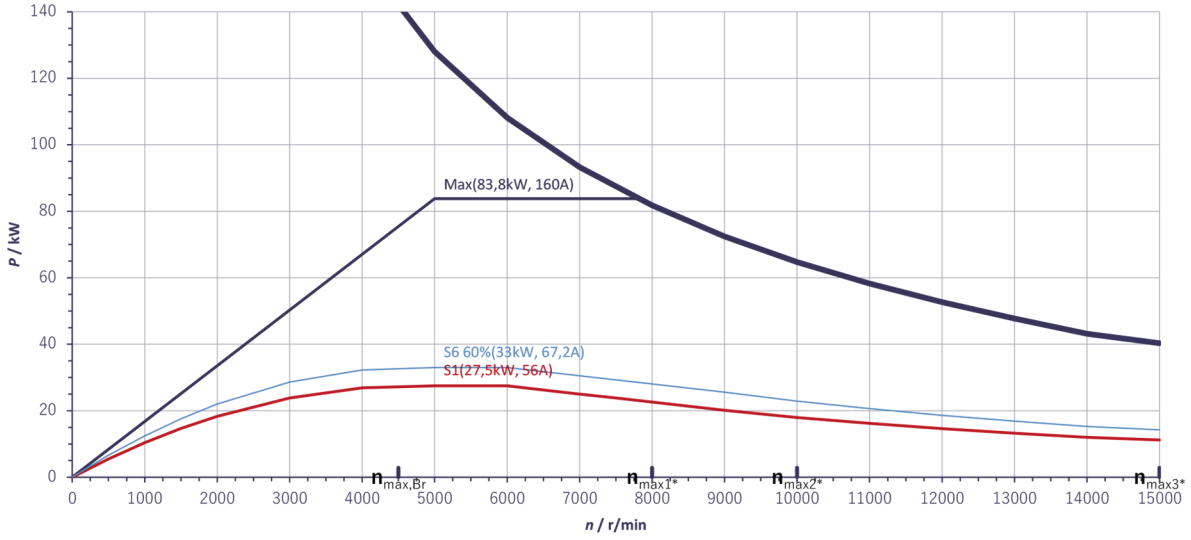
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
4000	22,0	53,0	55,0	8000	10000	15000	4500	6500	160,0	160	105	86,9

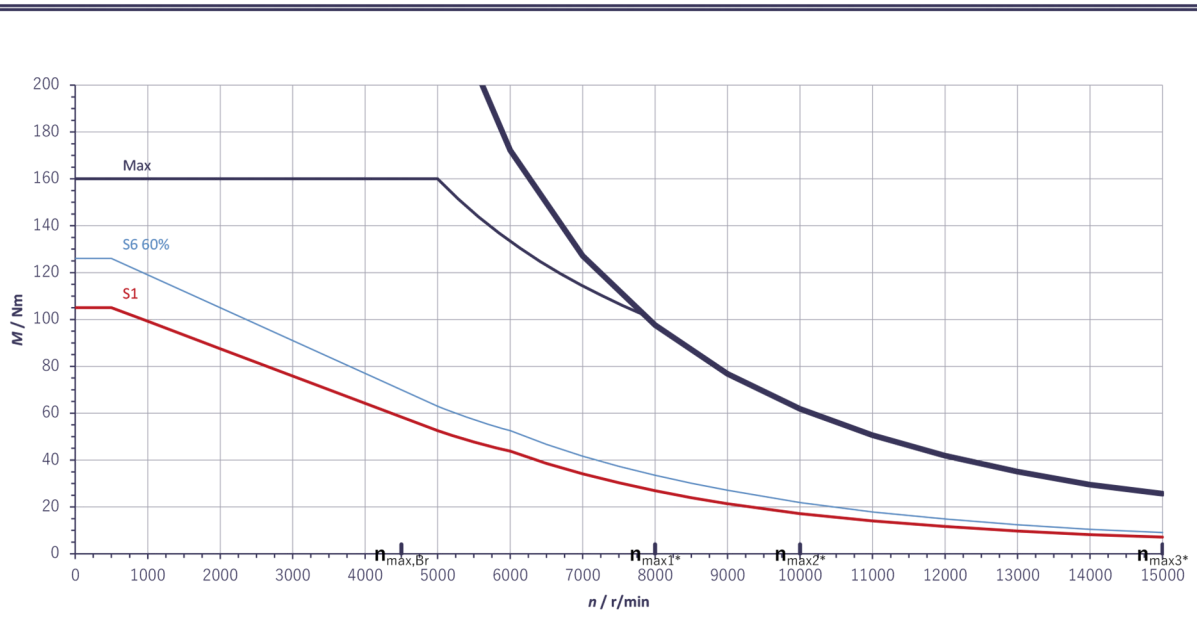




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8137-1□S0, 1PH8137-1□S1, 1PH8137-1□S7, 1PH8137-3□S0, 1PH8137-3□S1, 1PH8137-3□S7 in Delta-connection

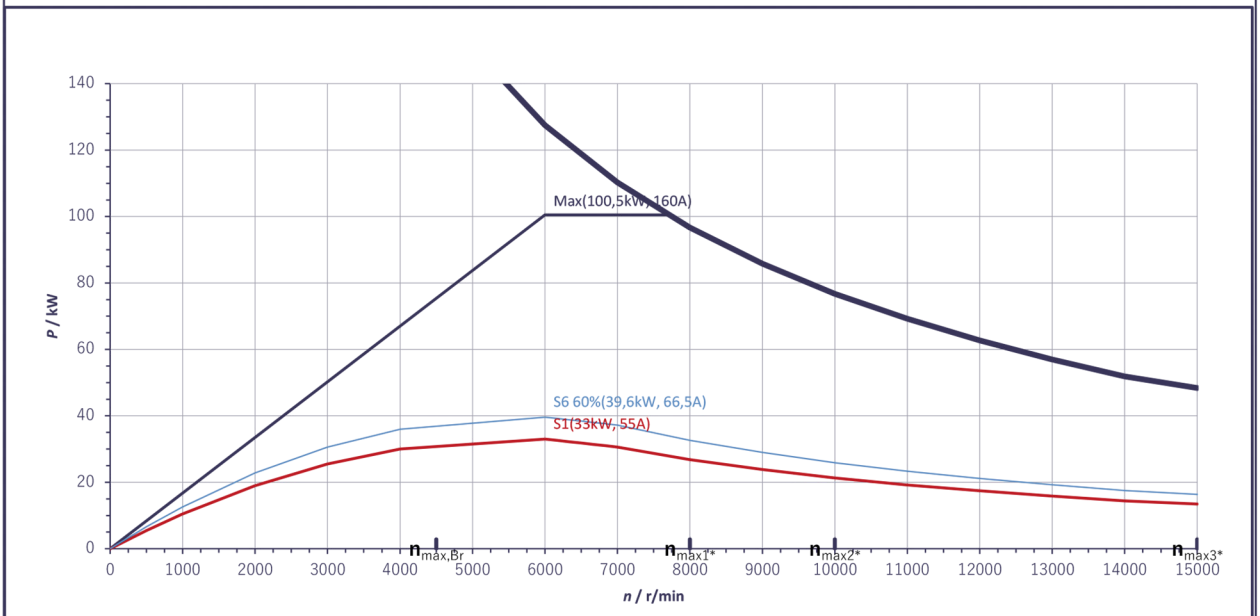
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
5000	27,5	53,0	56,0	8000	10000	15000	4500	6000	160,0	160	105	86,9
4000	22,0	53	55,0					8000				

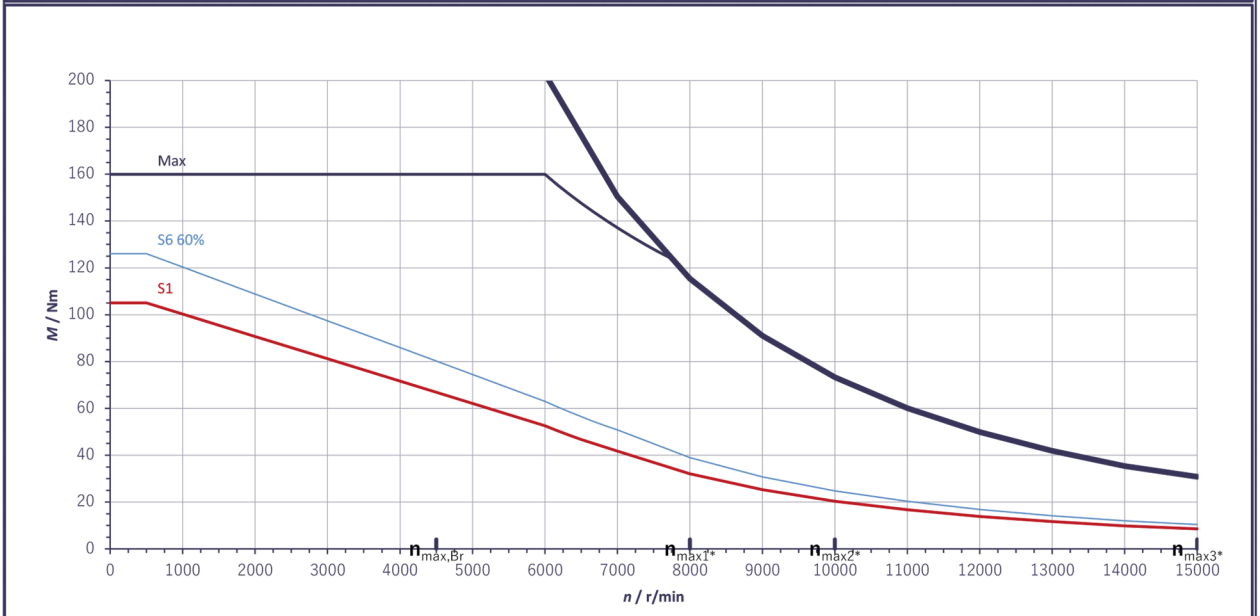




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8137-1□S0, 1PH8137-1□S1, 1PH8137-1□S7, 1PH8137-3□S0, 1PH8137-3□S1, 1PH8137-3□S7 in Delta-connection

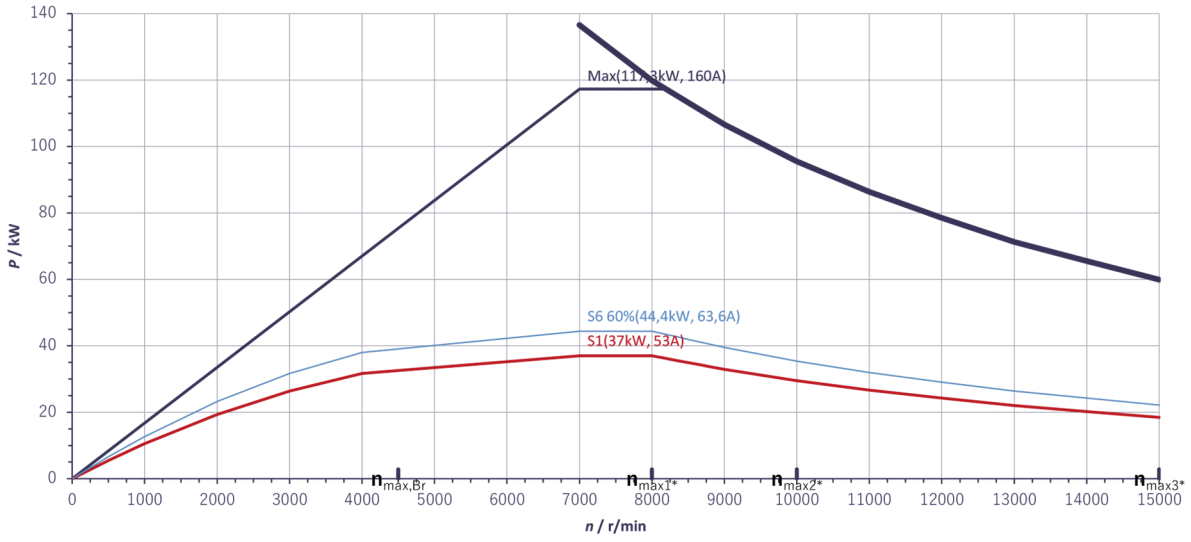
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
6000	33,0	53,0	55,0	8000	10000	15000	4500	6000	160,0	160	105	86,9

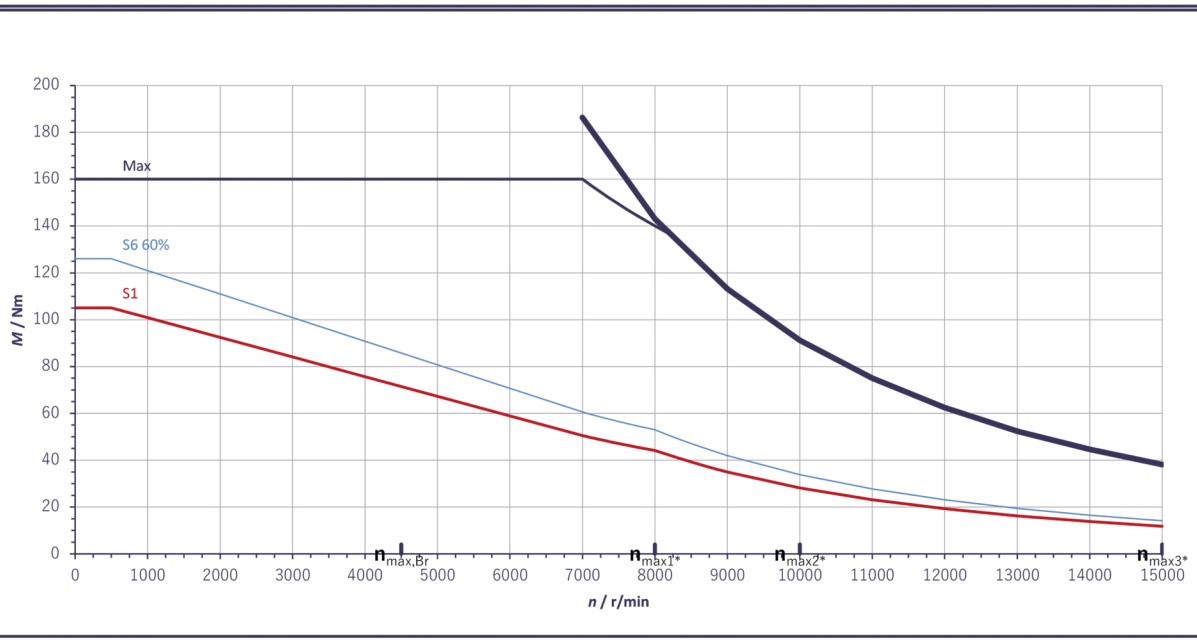




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8137-1□S0, 1PH8137-1□S1, 1PH8137-1□S7, 1PH8137-3□S0, 1PH8137-3□S1, 1PH8137-3□S7 in Delta-connection

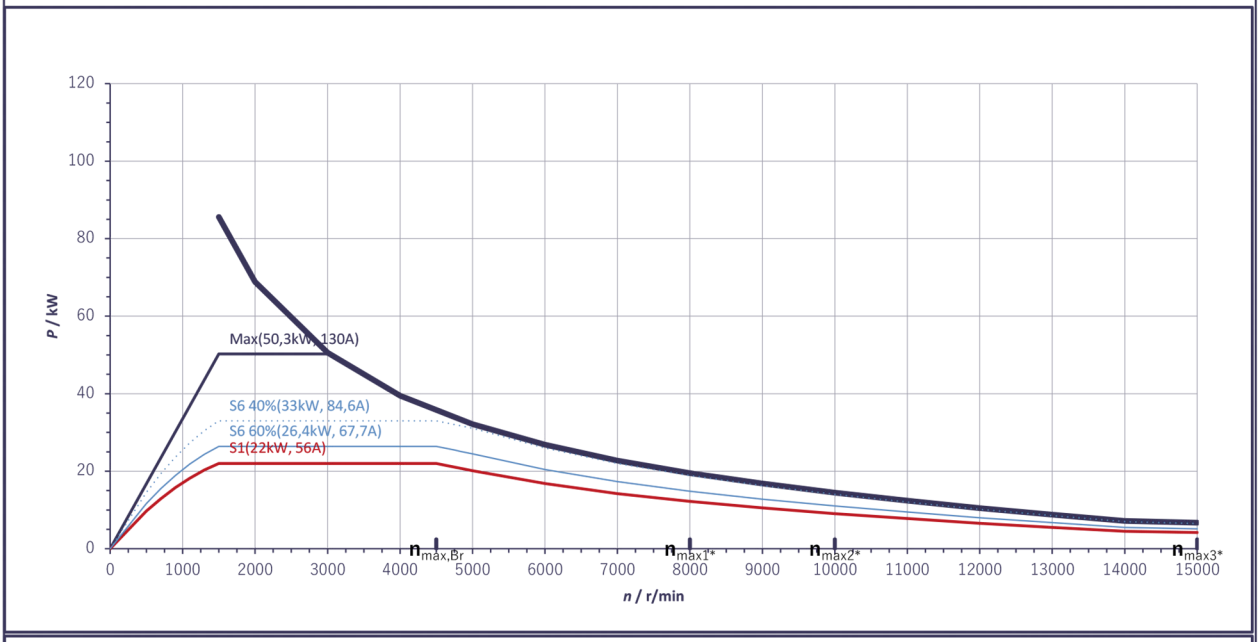
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
7000	37,0	50,0	53,0	8000	10000	15000	4500	8000	160,0	160	105	86,9

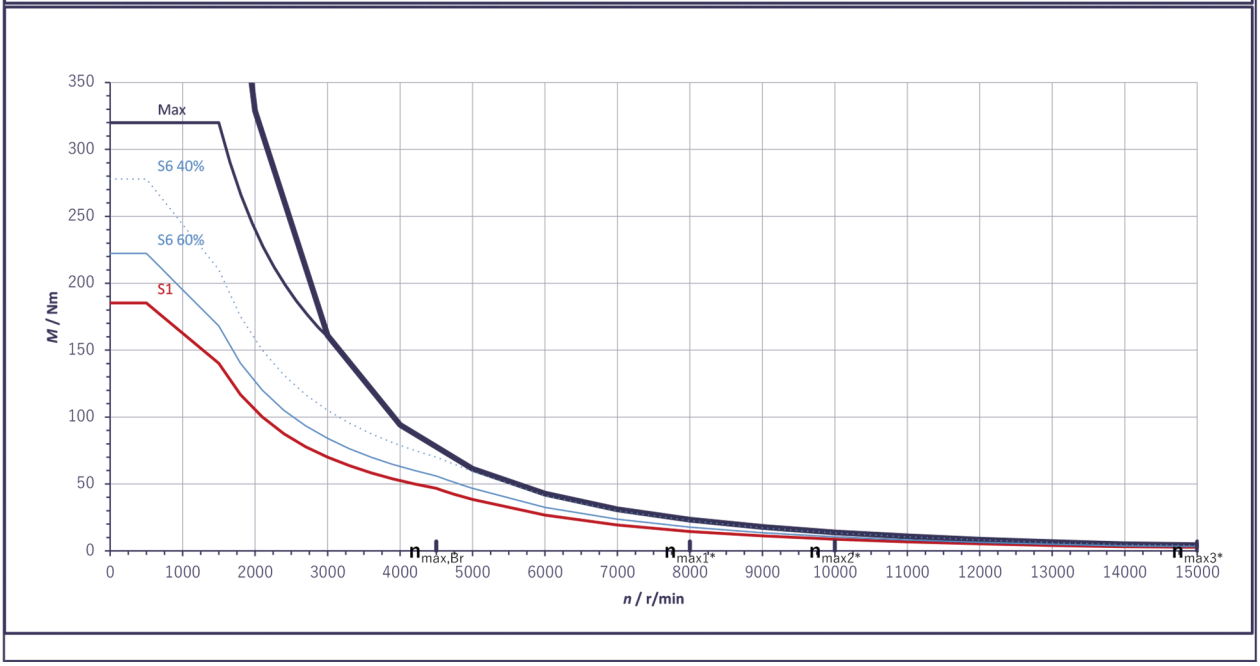




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8137-1□S0, 1PH8137-1□S1, 1PH8137-1□S7, 1PH8137-3□S0, 1PH8137-3□S1, 1PH8137-3□S7 in Star-connection

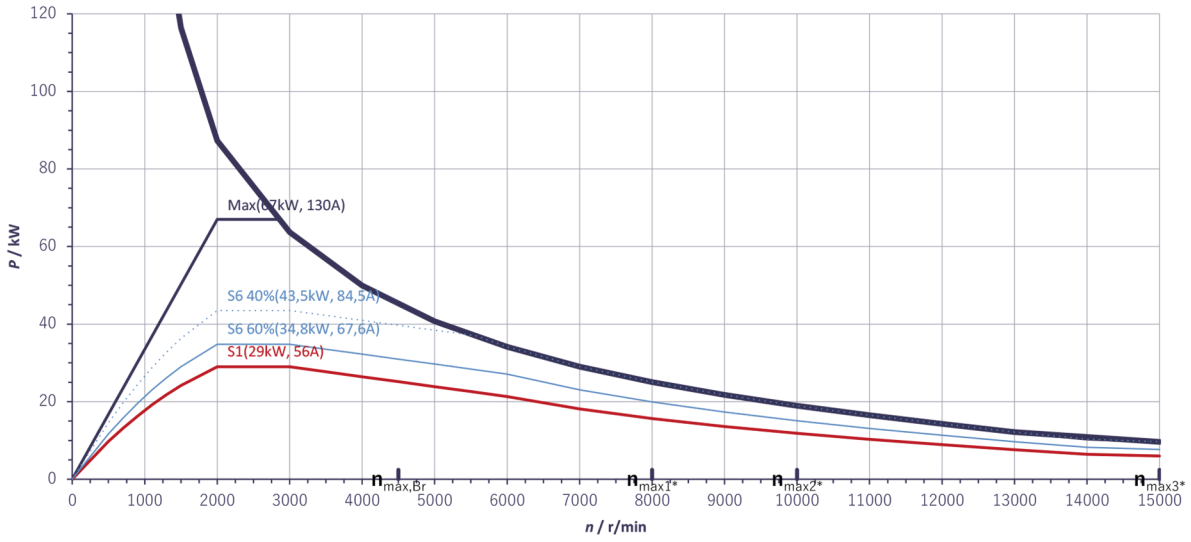
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	22,0	140,0	56,0	8000	10000	15000	4500	4500	320,0	130	185	68,2

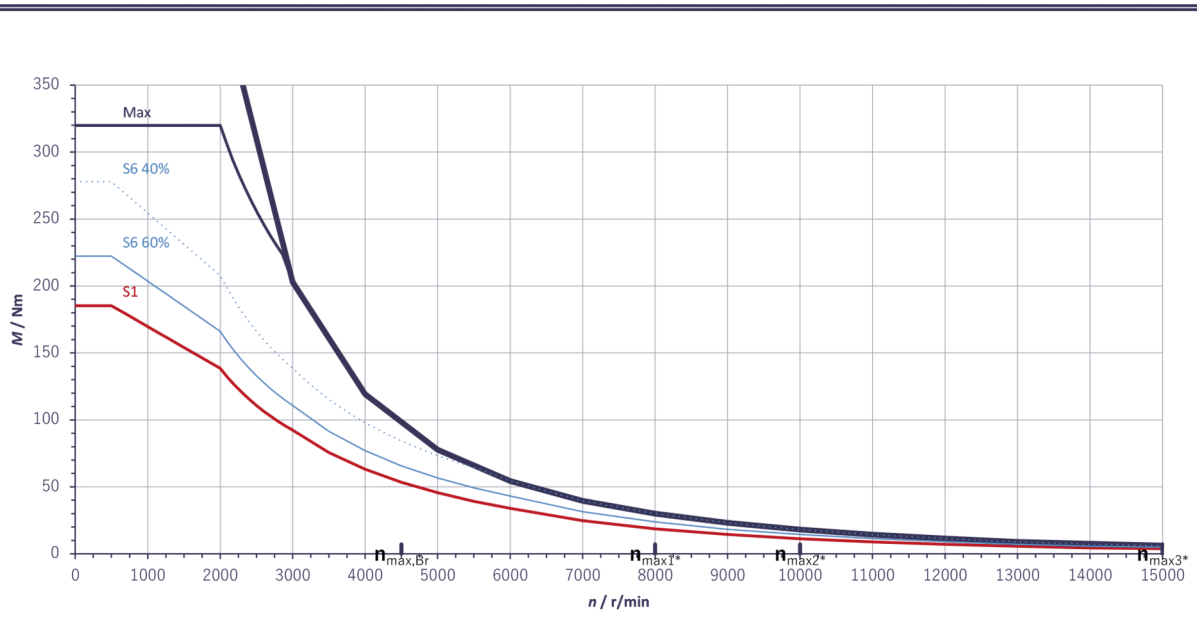




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8137-1□S0, 1PH8137-1□S1, 1PH8137-1□S7, 1PH8137-3□S0, 1PH8137-3□S1, 1PH8137-3□S7 in Star-connection

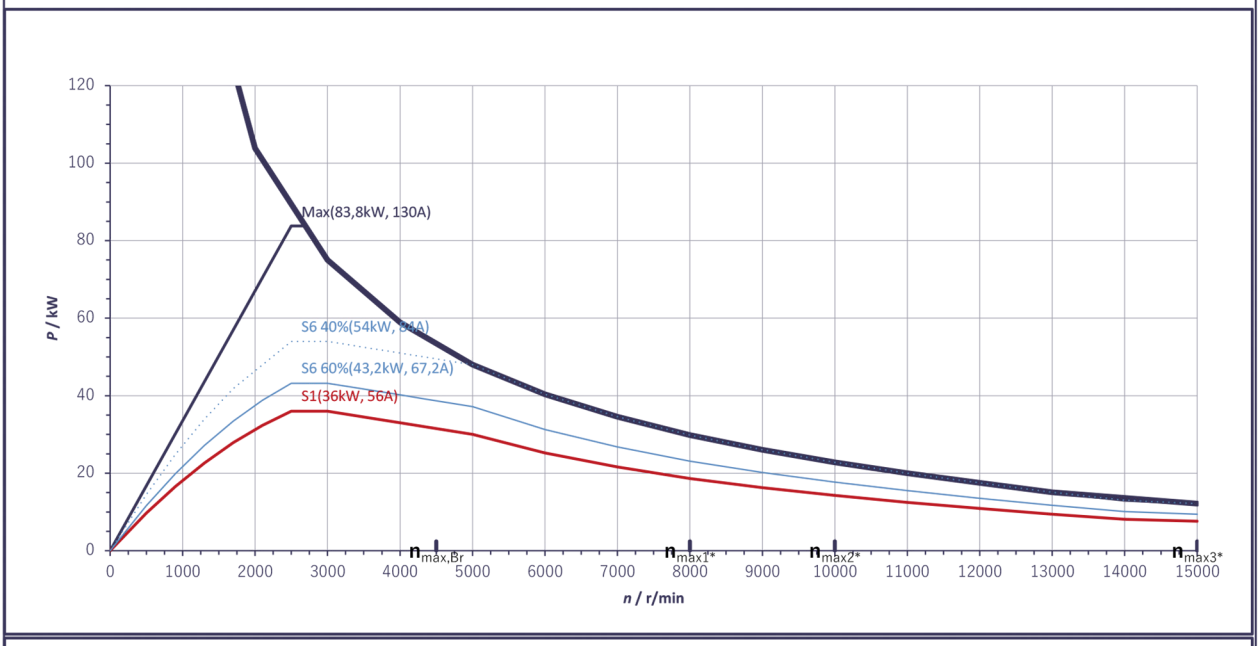
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	29,0	138,0	56,0	8000	10000	15000	4500	3000	320,0	130	185	68,2
1500	22,0	140	56,0					5700				

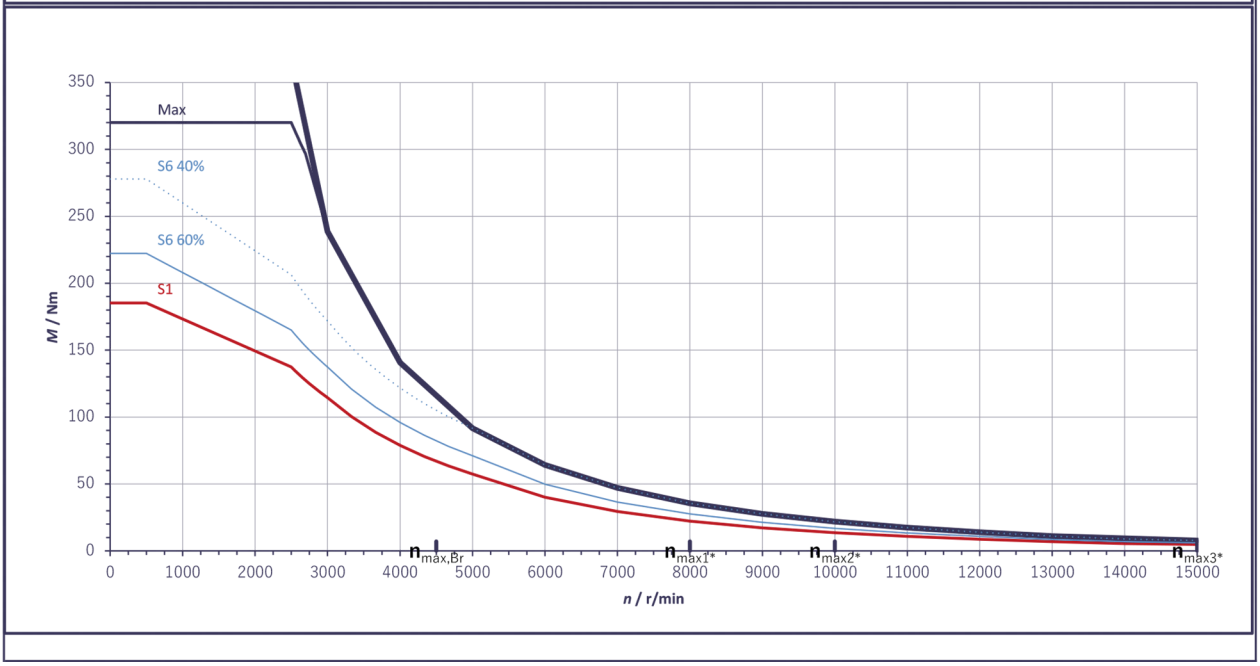




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8137-1□S0, 1PH8137-1□S1, 1PH8137-1□S7, 1PH8137-3□S0, 1PH8137-3□S1, 1PH8137-3□S7 in Star-connection

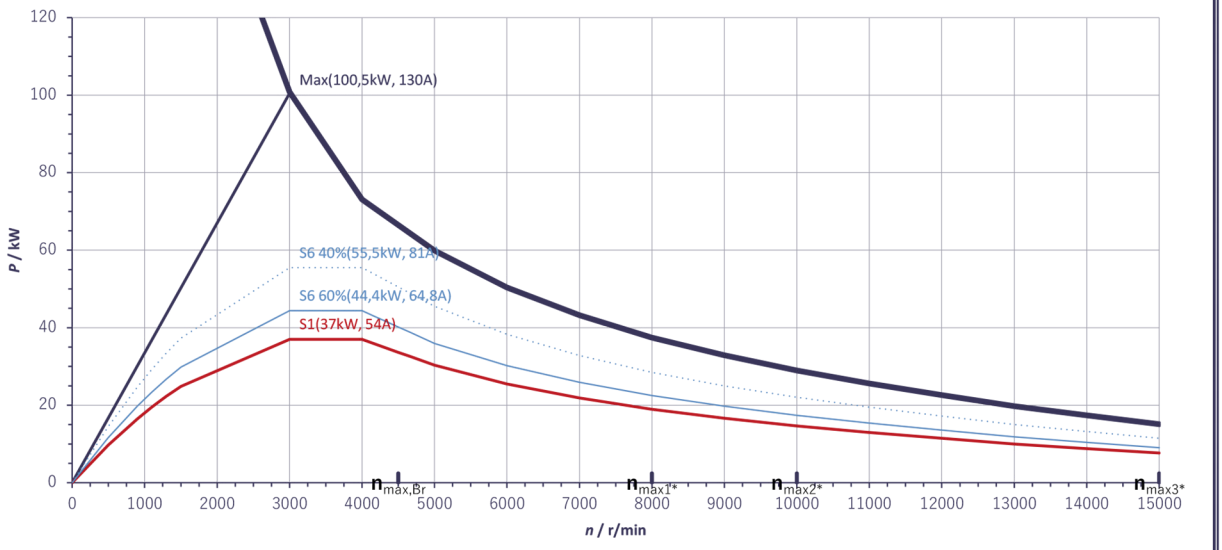
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2500	36,0	138,0	56,0	8000	10000	15000	4500	3000	320,0	130	185	68,2

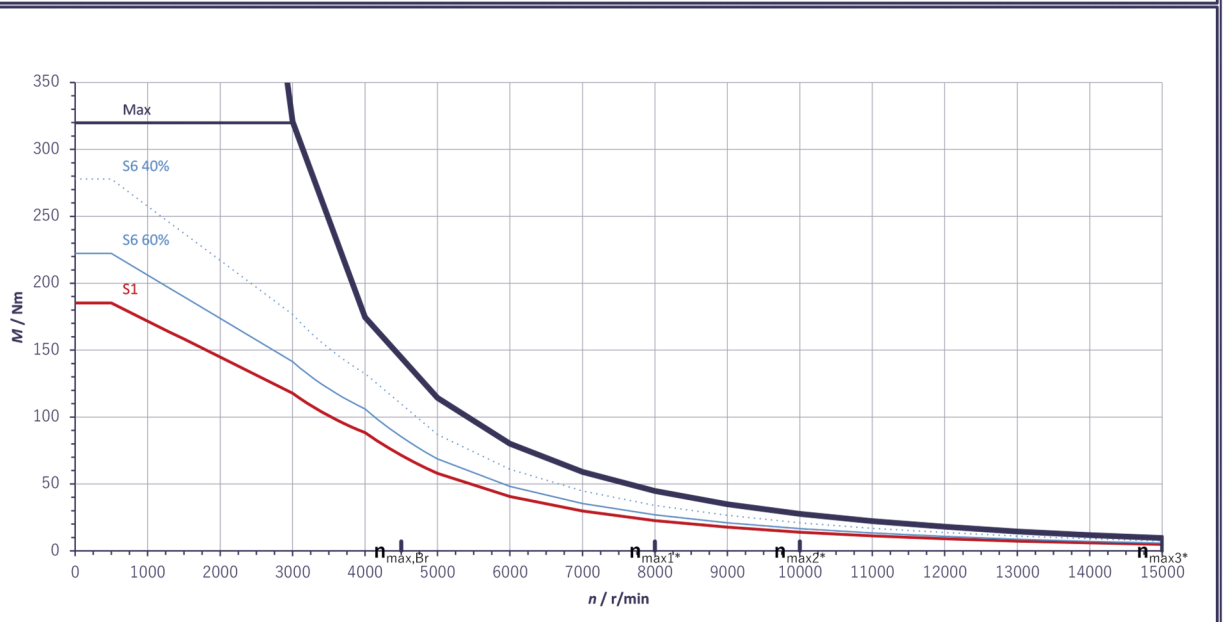




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8137-1□S0, 1PH8137-1□S1, 1PH8137-1□S7, 1PH8137-3□S0, 1PH8137-3□S1, 1PH8137-3□S7 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3000	37,0	118,0	54,0	8000	10000	15000	4500	4000	320,0	130	185	68,2

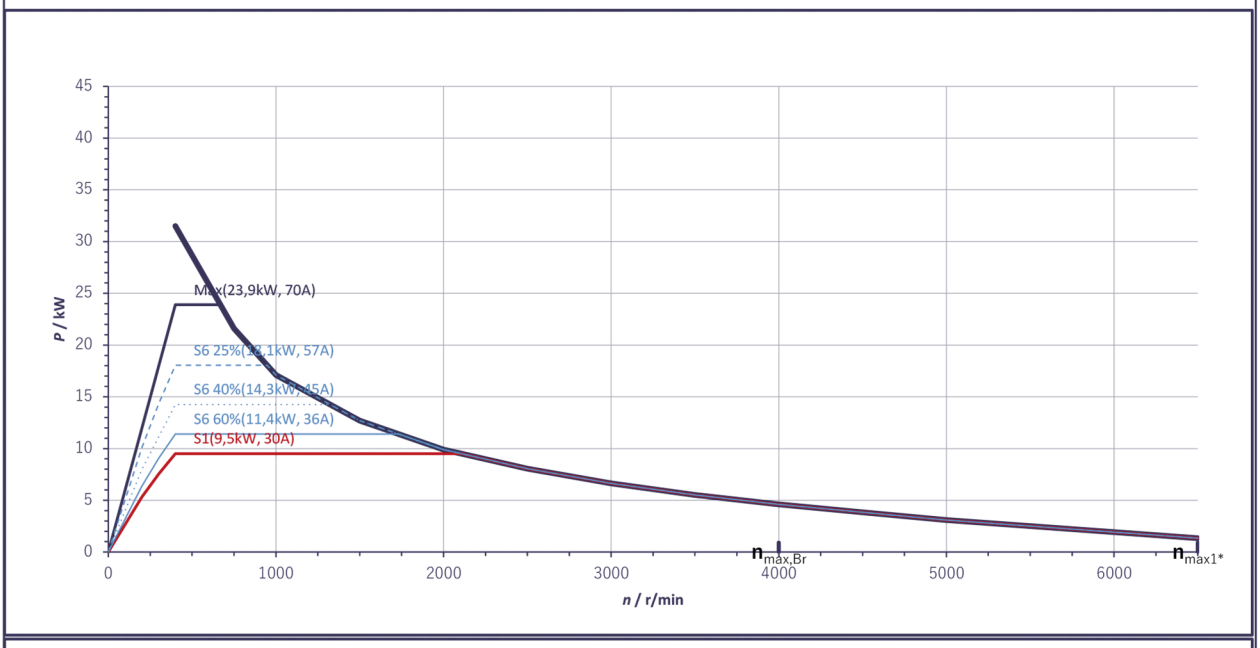


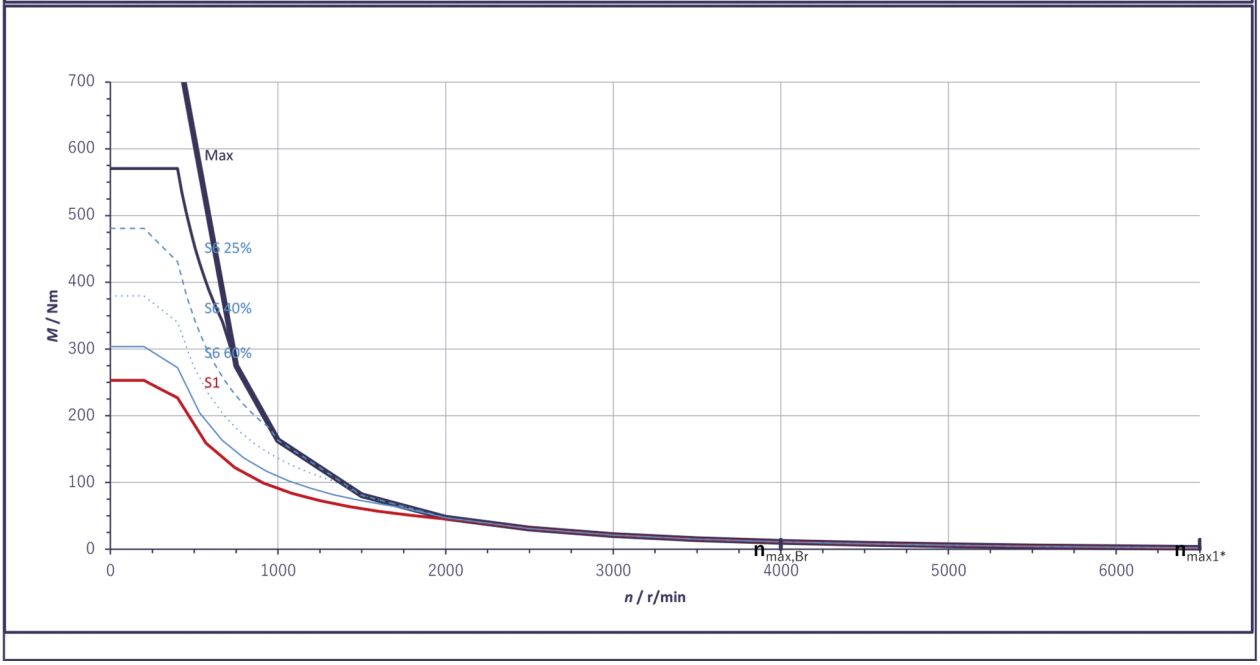


2.2.5 Shaft height 160 - forced ventilation

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8163-1□B0, 1PH8163-1□B1, 1PH8163-3□B0, 1PH8163-3□B1 in Star-connection

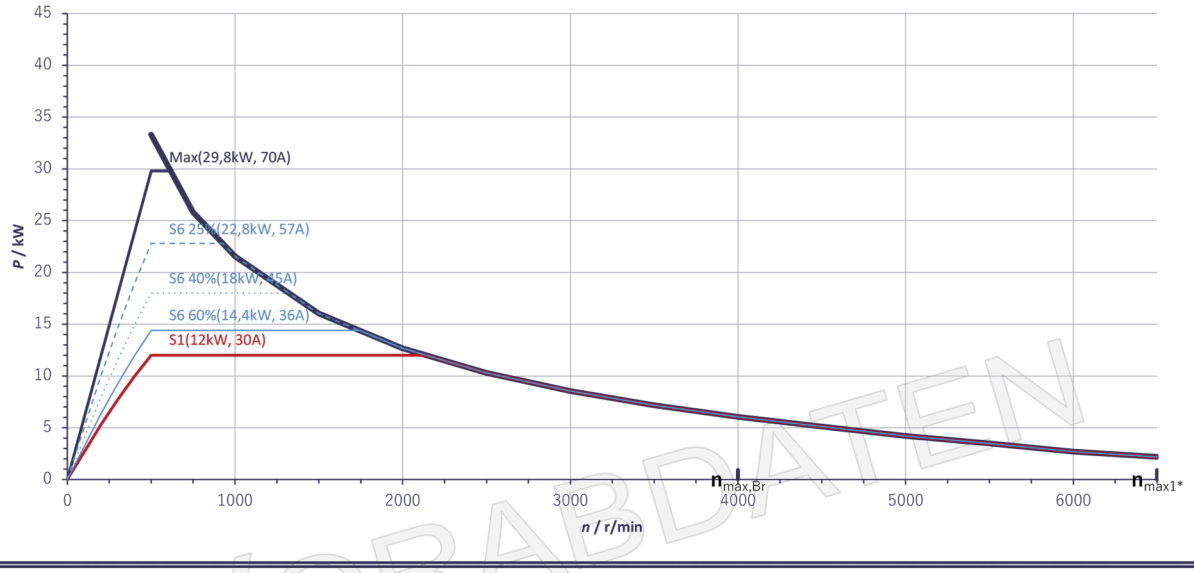
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
400	9,5	227,0	30,0	6500	--	--	4000	2150	570,0	70	253	32,0

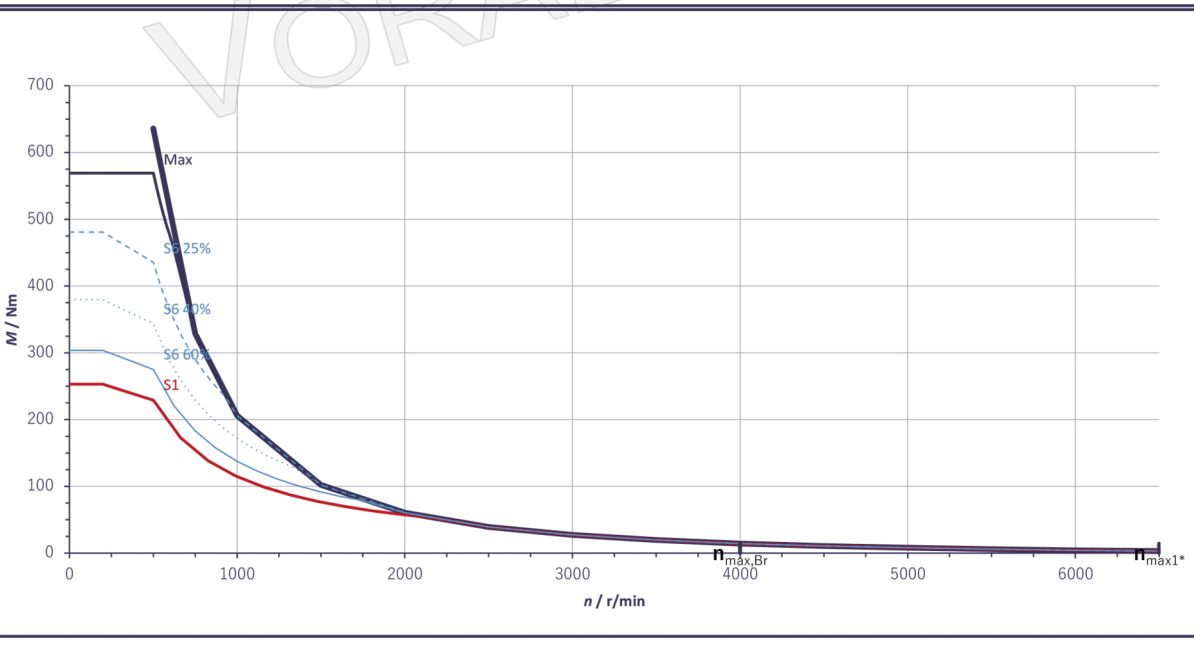




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8163-1□B0, 1PH8163-1□B1, 1PH8163-3□B0, 1PH8163-3□B1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
500	12,0	229,0	30,0	6500	--	--	4000	2200	570,0	70	253	32,0
400	9,5	227	30,0					2750				

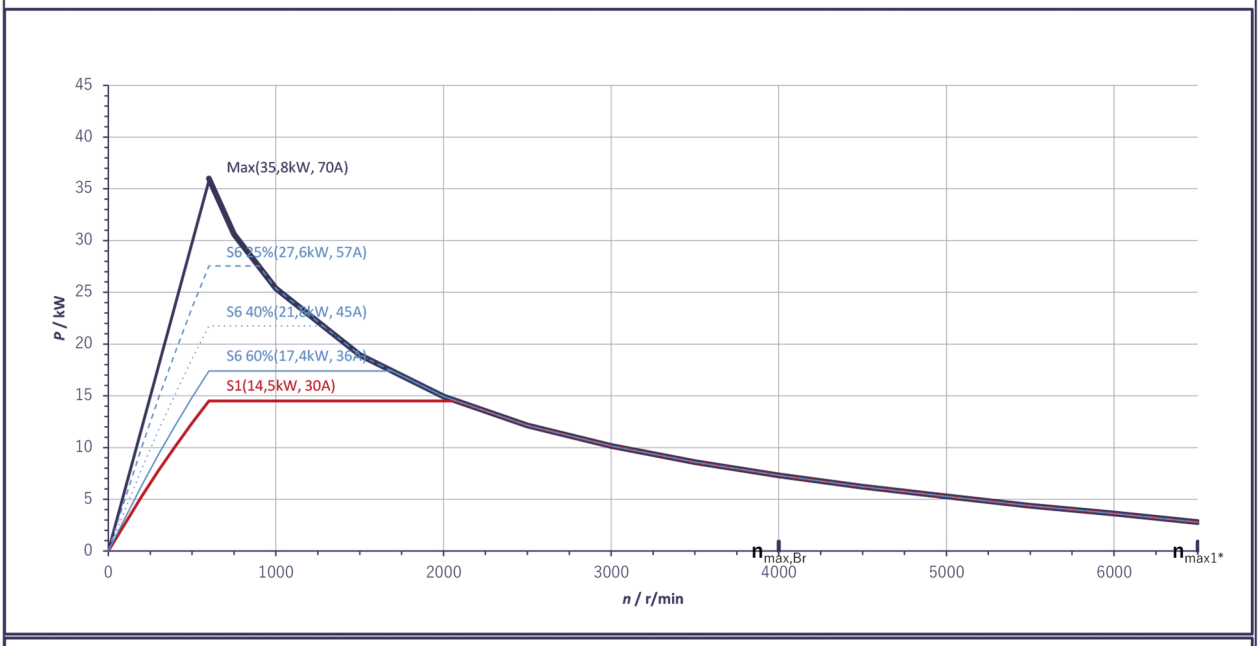


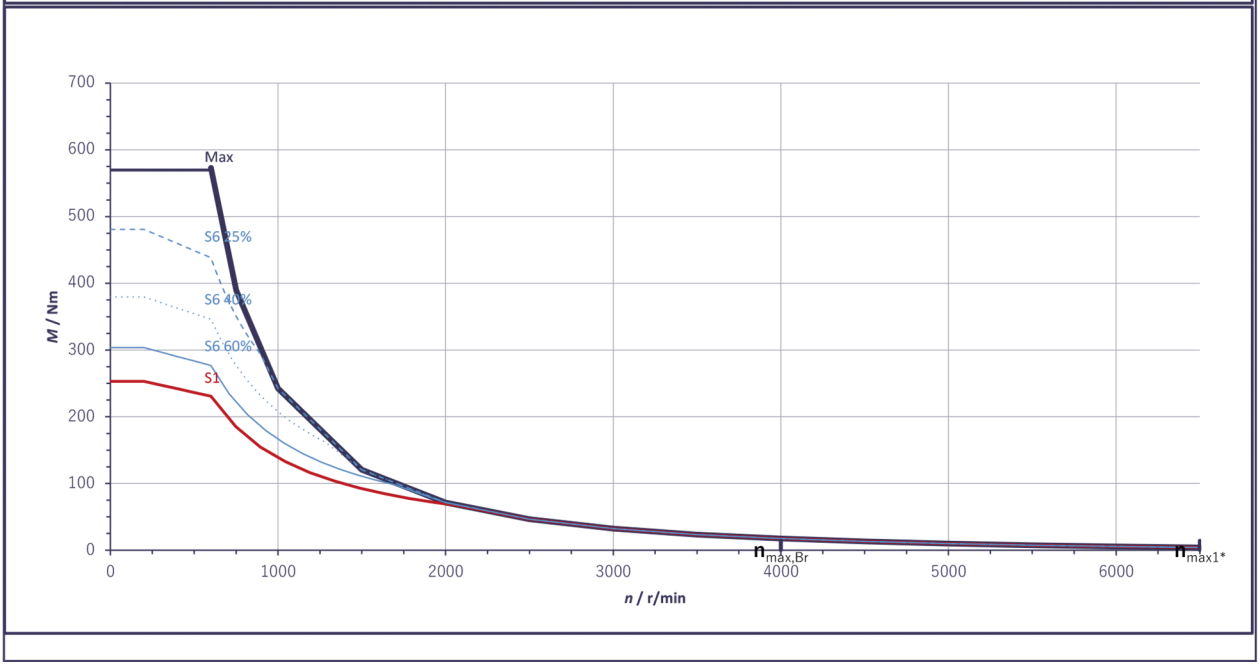


VORABDATEN

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8163-1□B0, 1PH8163-1□B1, 1PH8163-3□B0, 1PH8163-3□B1 in Star-connection

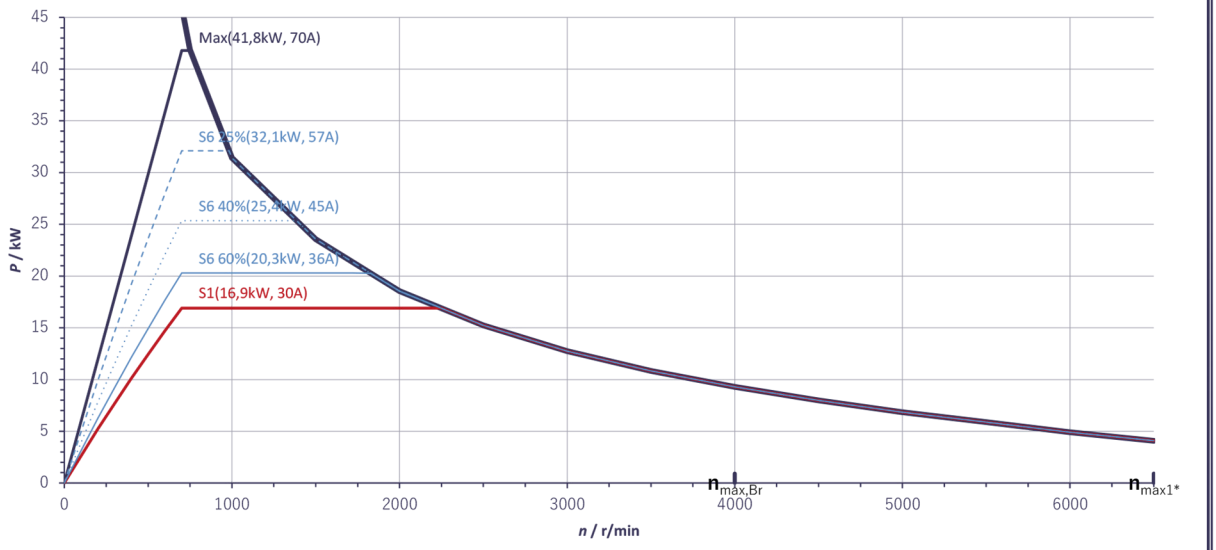
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
600	14,5	231,0	30,0	6500	--	--	4000	2150	570,0	70	253	32,0

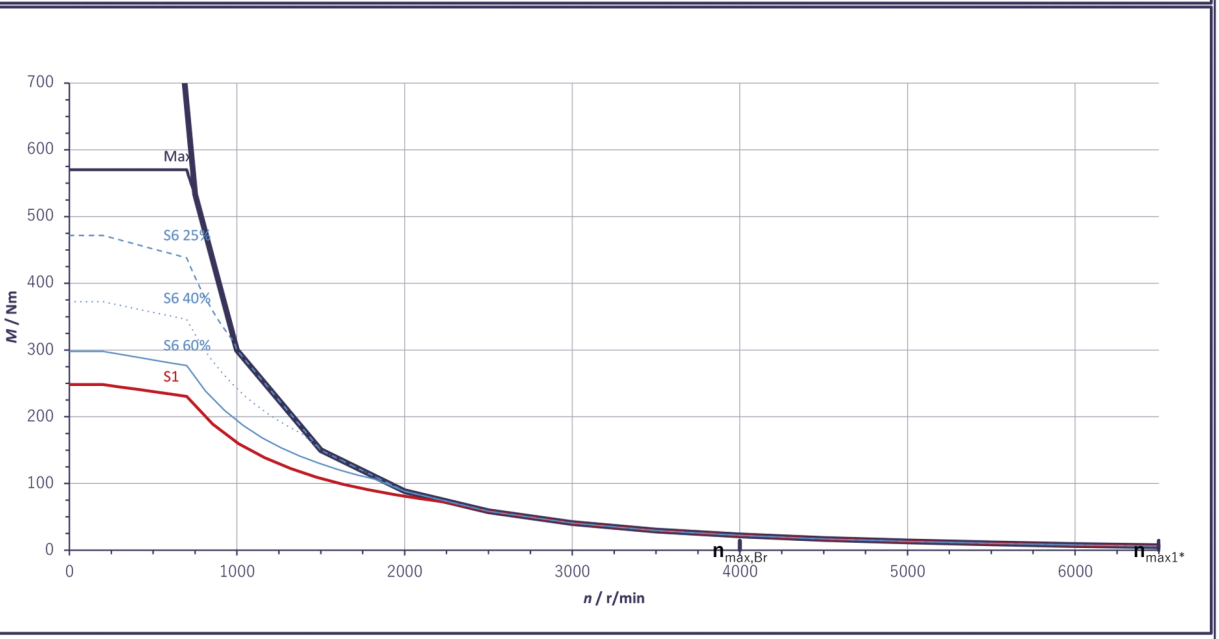




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8163-1□B0, 1PH8163-1□B1, 1PH8163-3□B0, 1PH8163-3□B1 in Star-connection

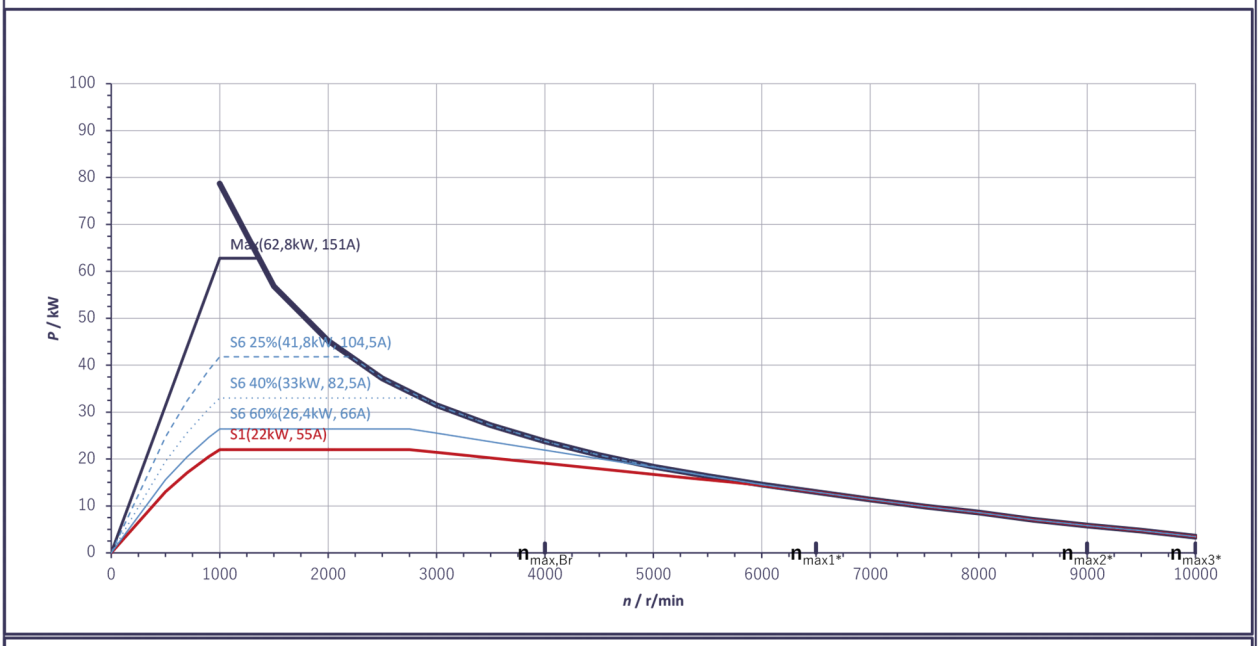
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
700	16,9	231,0	30,0	6500	--	--	4000	2250	570,0	70	253	32,0

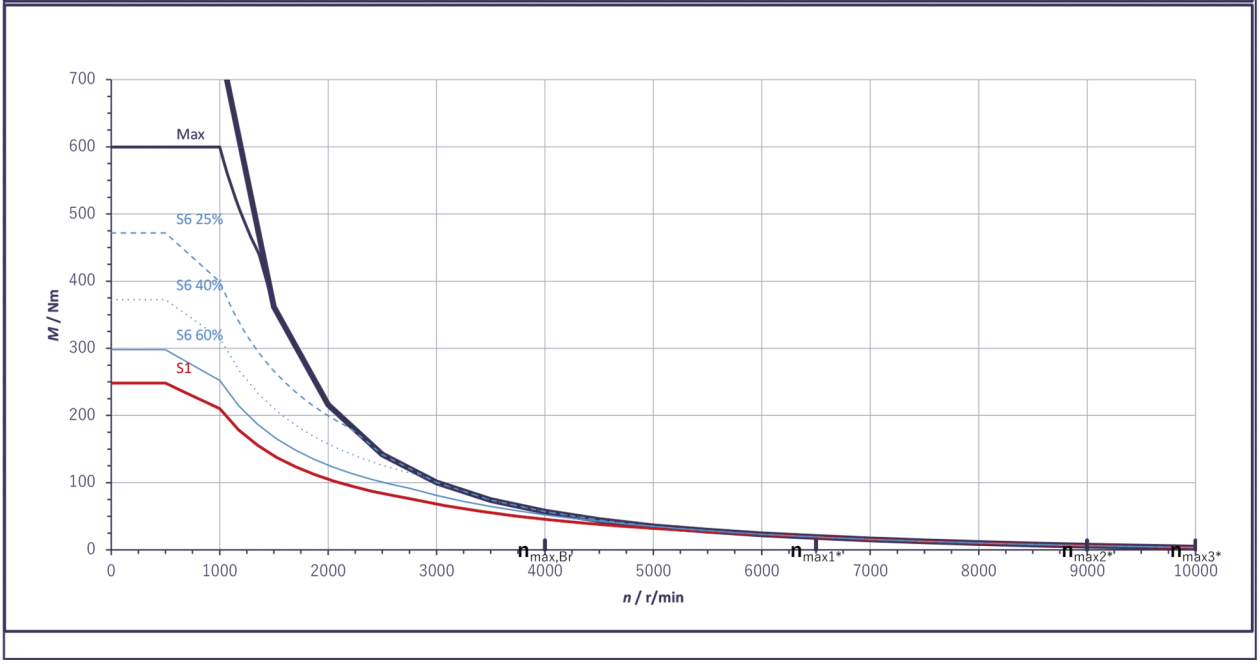




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8163-1□D0, 1PH8163-1□D1, 1PH8163-3□D0, 1PH8163-3□D1 in Star-connection

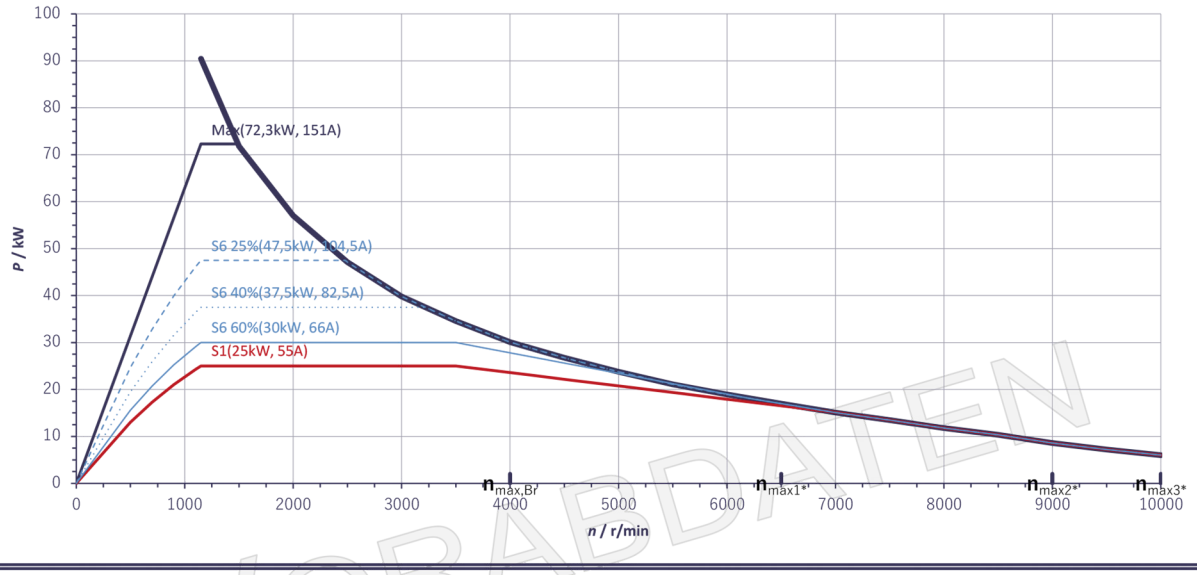
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1000	22,0	210,0	55,0	6500	9000	10000	4000	2800	600,0	151	248	61,0

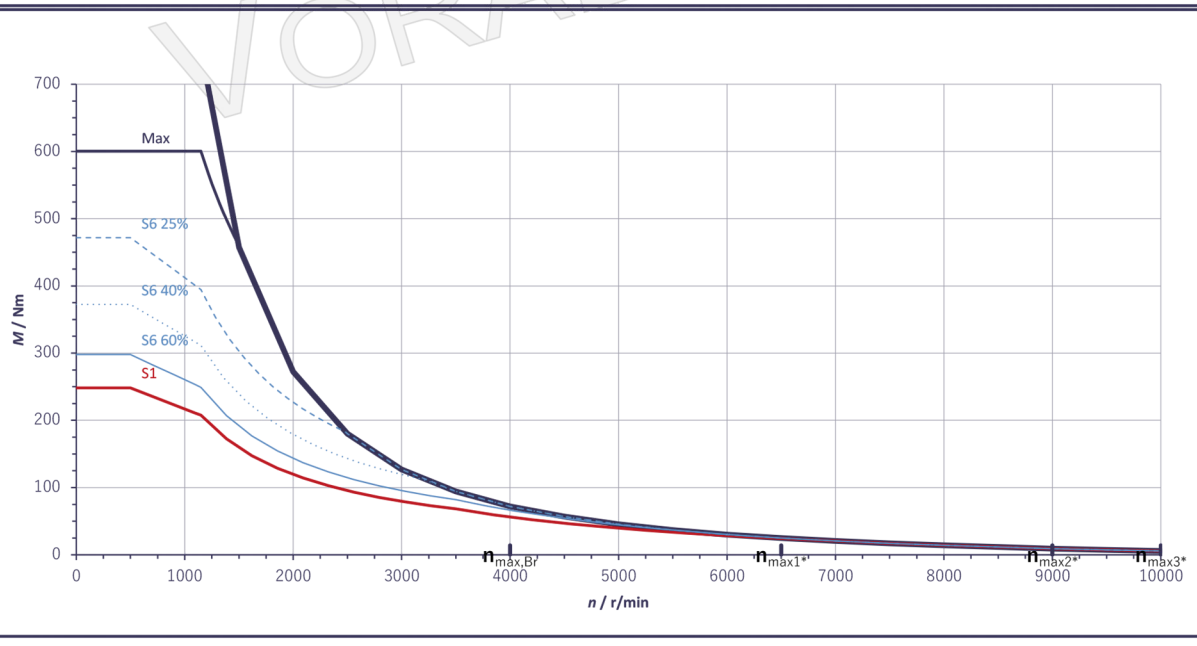




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8163-1□D0, 1PH8163-1□D1, 1PH8163-3□D0, 1PH8163-3□D1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1150	25,0	208,0	55,0	6500	9000	10000	4000	3550	600,0	151	248	61,0
1000	22,0	210	55,0					4550				

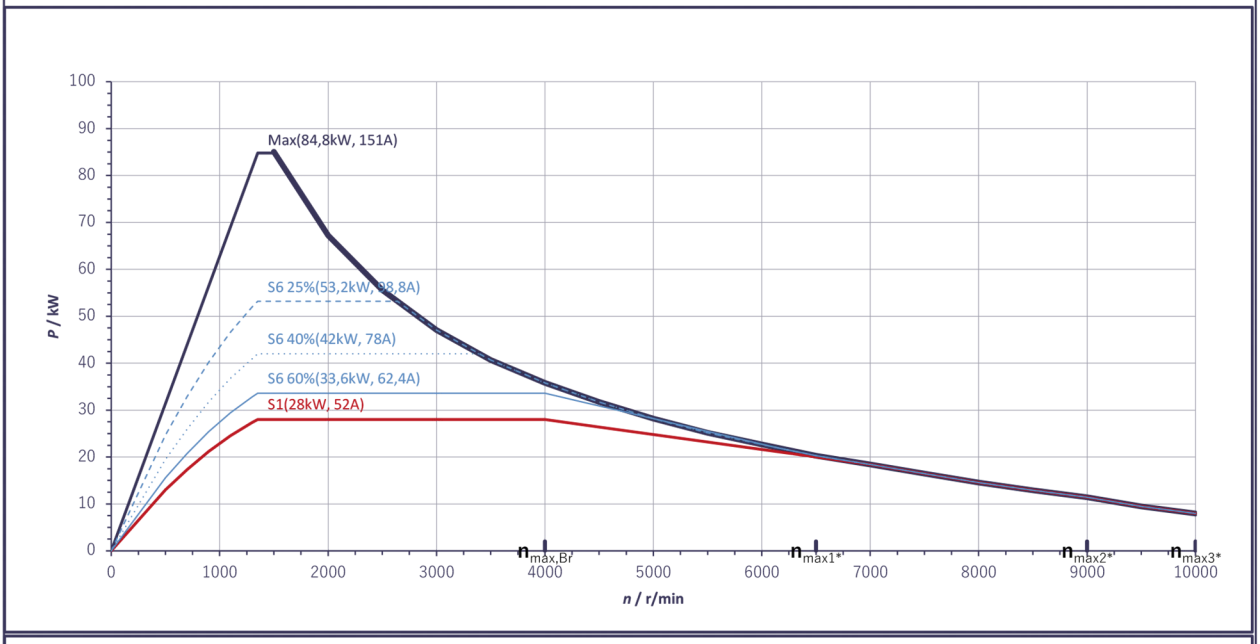


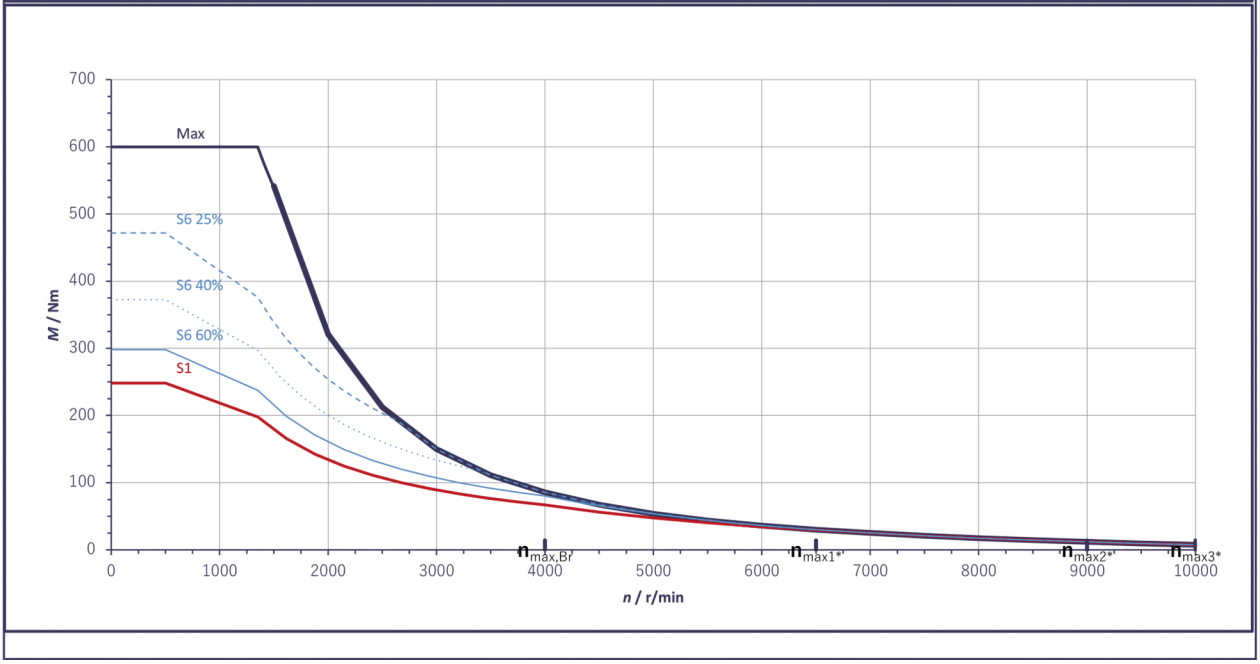


VORABDATEN

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8163-1□D0, 1PH8163-1□D1, 1PH8163-3□D0, 1PH8163-3□D1 in Star-connection

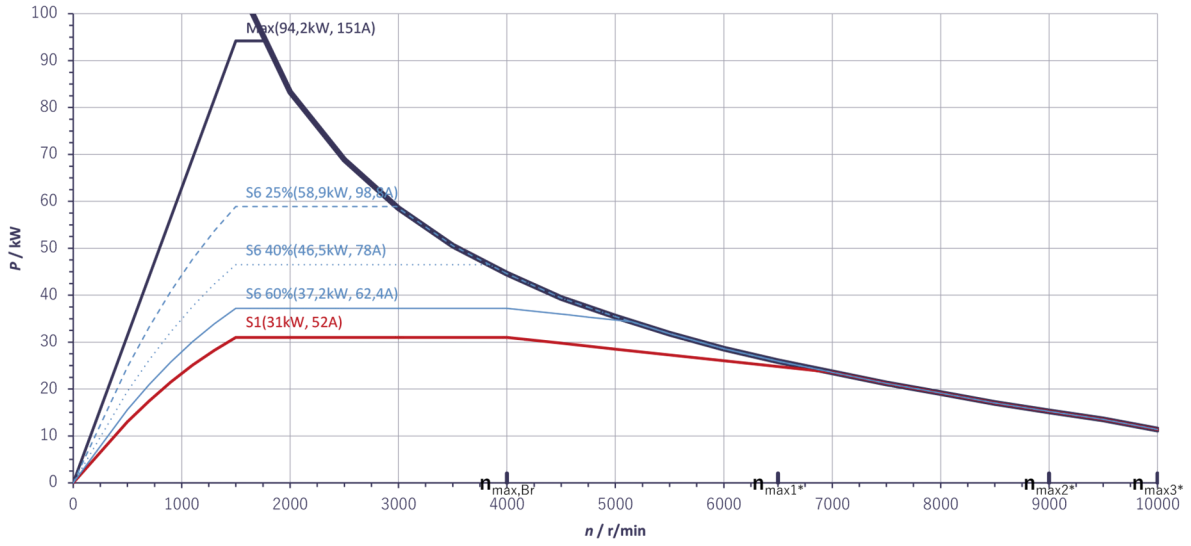
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1350	28,0	198,0	52,0	6500	9000	10000	4000	4000	600,0	151	248	61,0

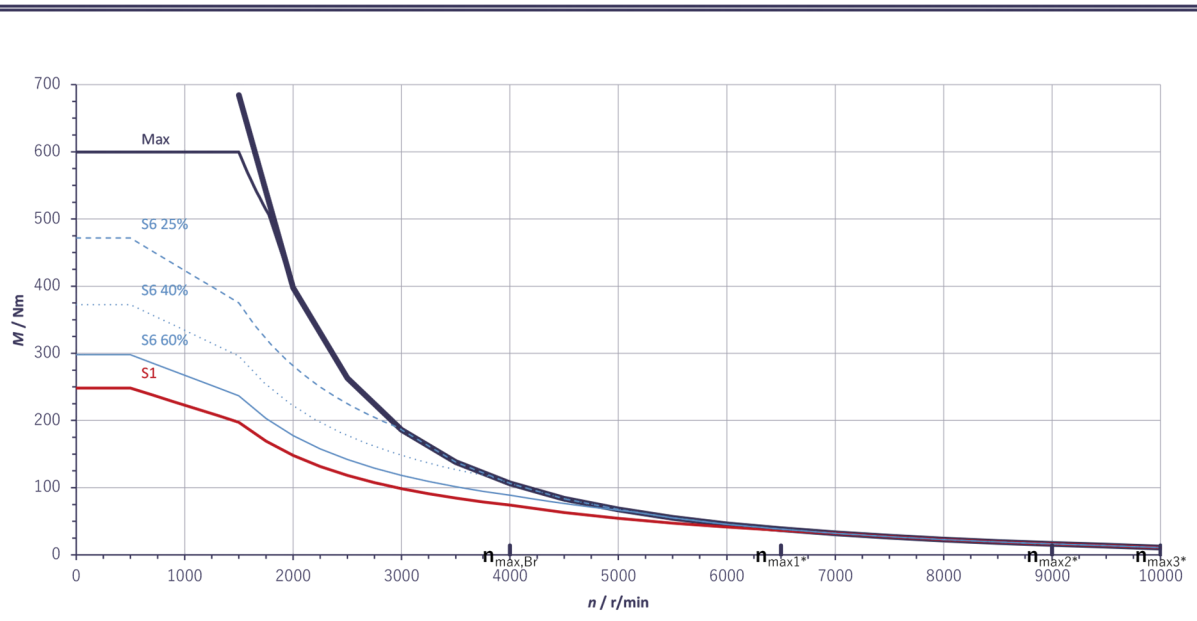




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8163-1□D0, 1PH8163-1□D1, 1PH8163-3□D0, 1PH8163-3□D1 in Star-connection

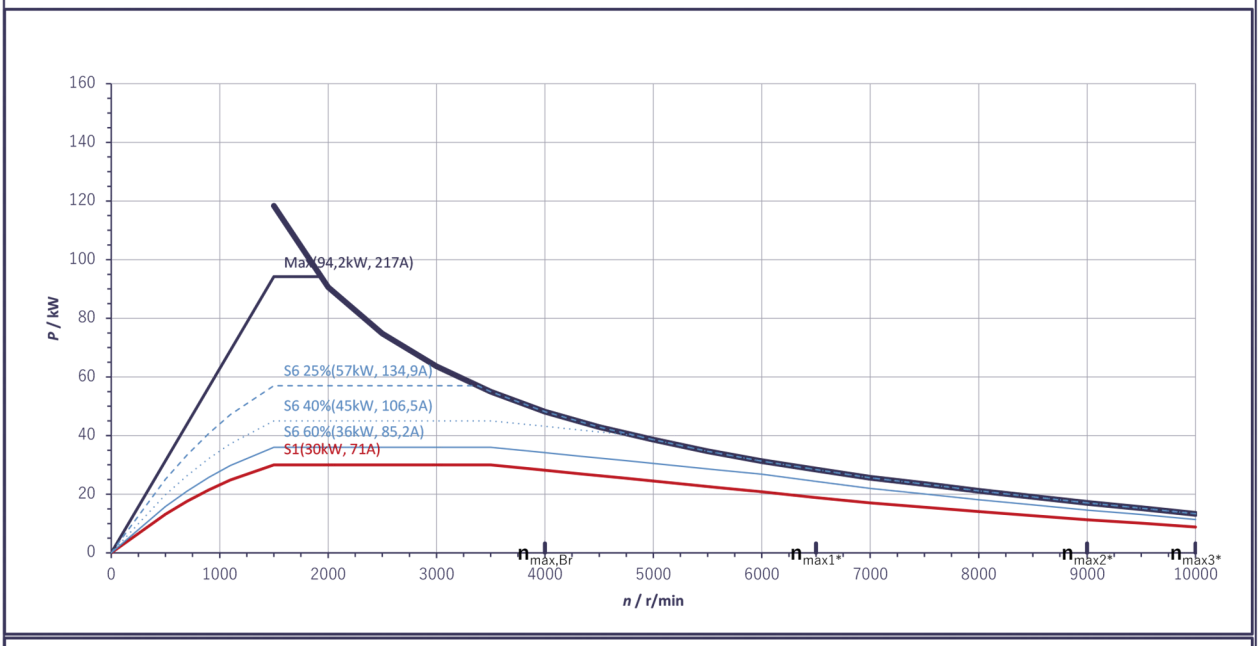
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	31,0	197,0	52,0	6500	9000	10000	4000	4000	600,0	151	248	61,0

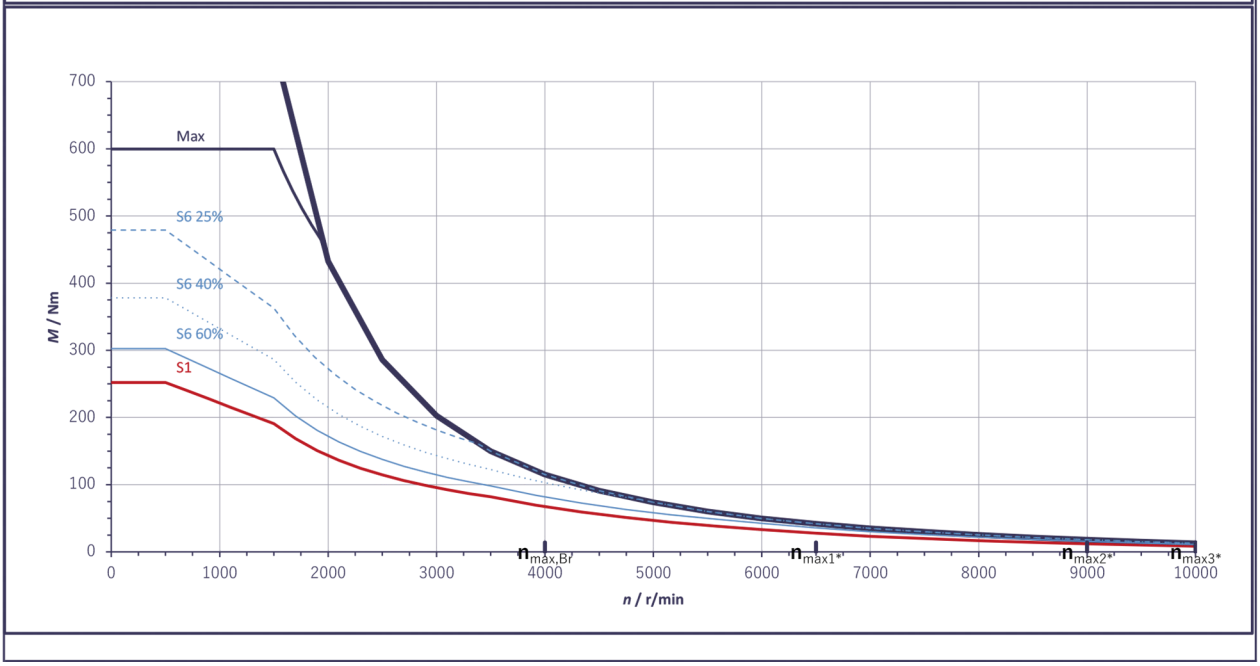




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8163-1□F0, 1PH8163-1□F1, 1PH8163-3□F0, 1PH8163-3□F1 in Star-connection

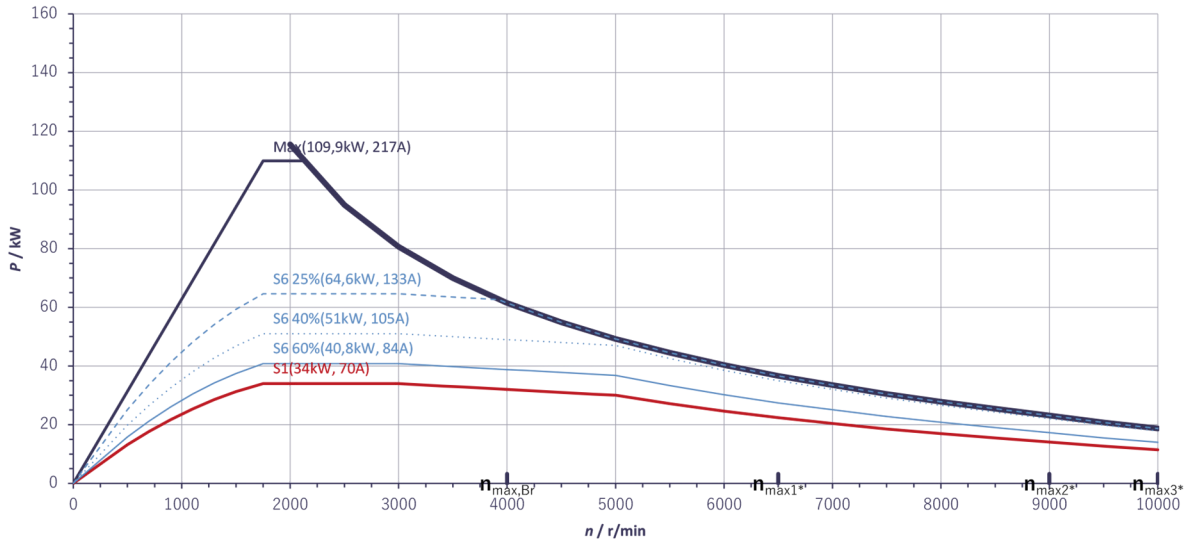
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	30,0	191,0	71,0	6500	9000	10000	4000	3500	600,0	217	252	87,0

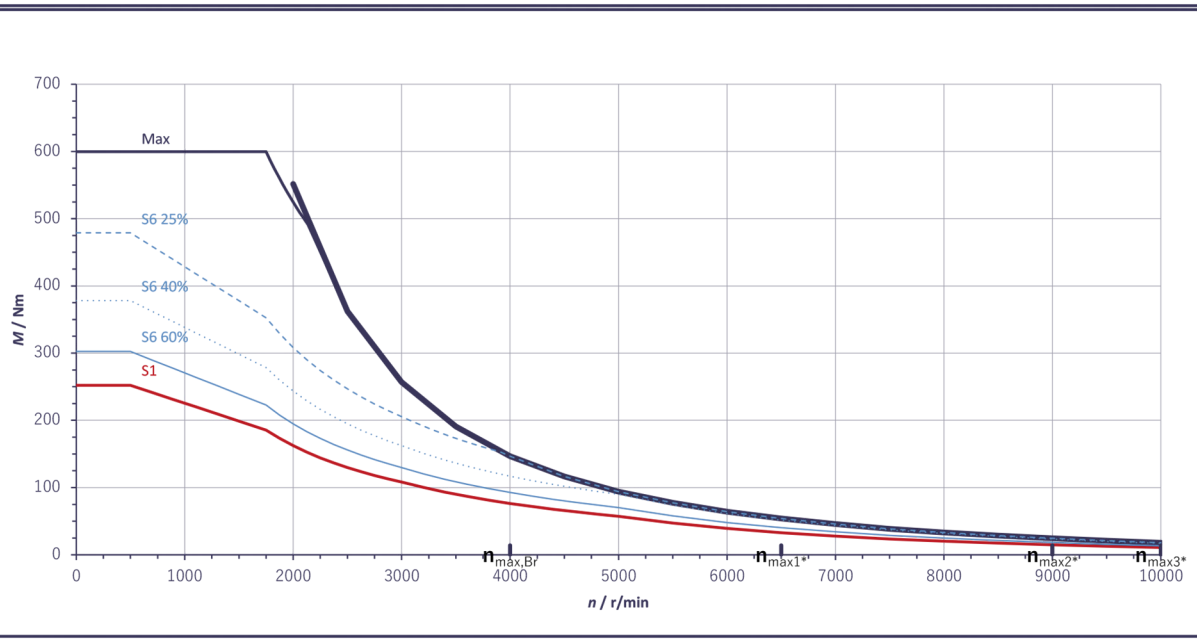




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8163-1□F0, 1PH8163-1□F1, 1PH8163-3□F0, 1PH8163-3□F1 in Star-connection

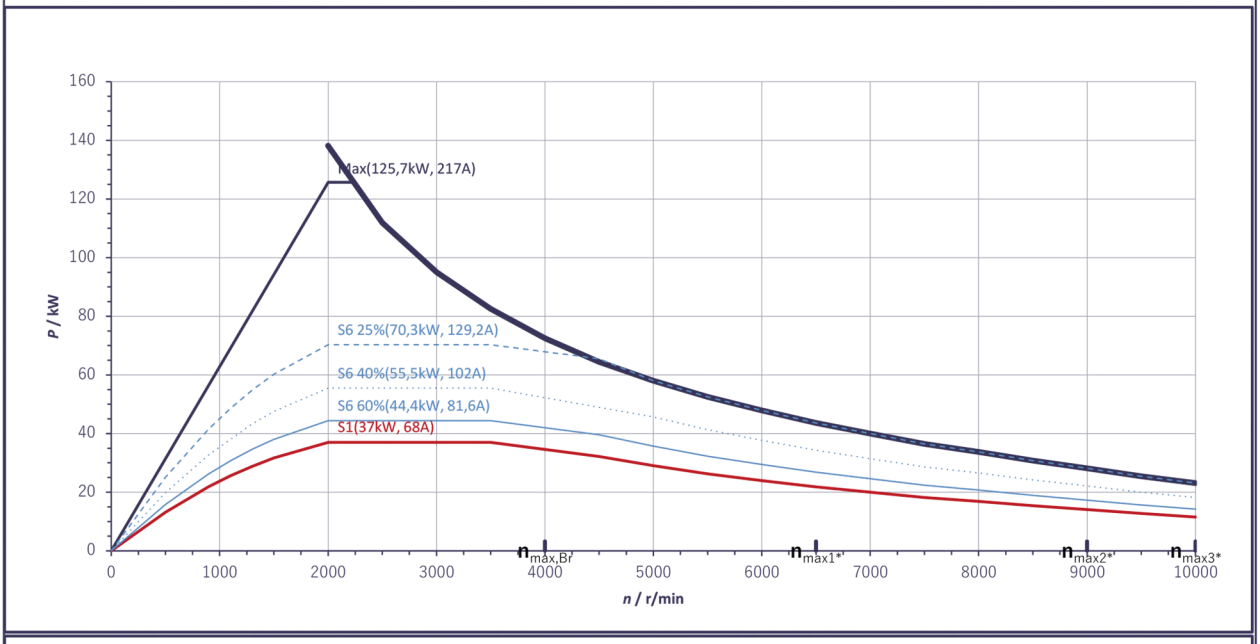
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	34,0	186,0	70,0	6500	9000	10000	4000	3050	600,0	217	252	87,0
1500	30,0	191	71,0					5000				

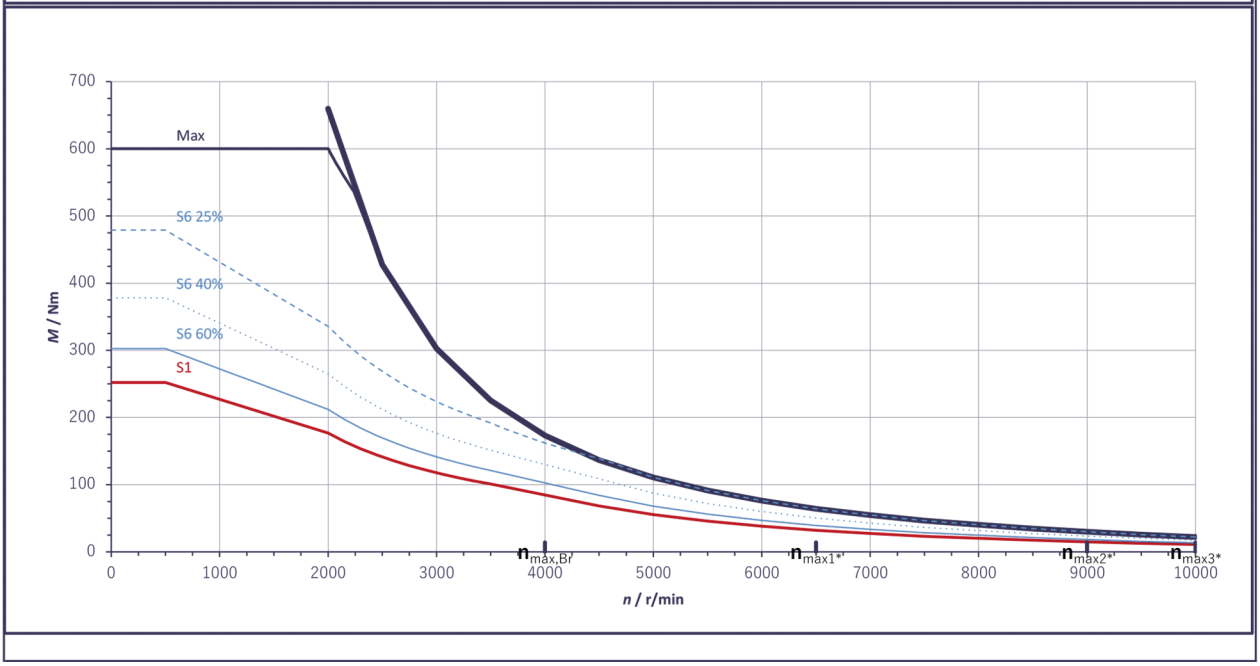




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8163-1□F0, 1PH8163-1□F1, 1PH8163-3□F0, 1PH8163-3□F1 in Star-connection

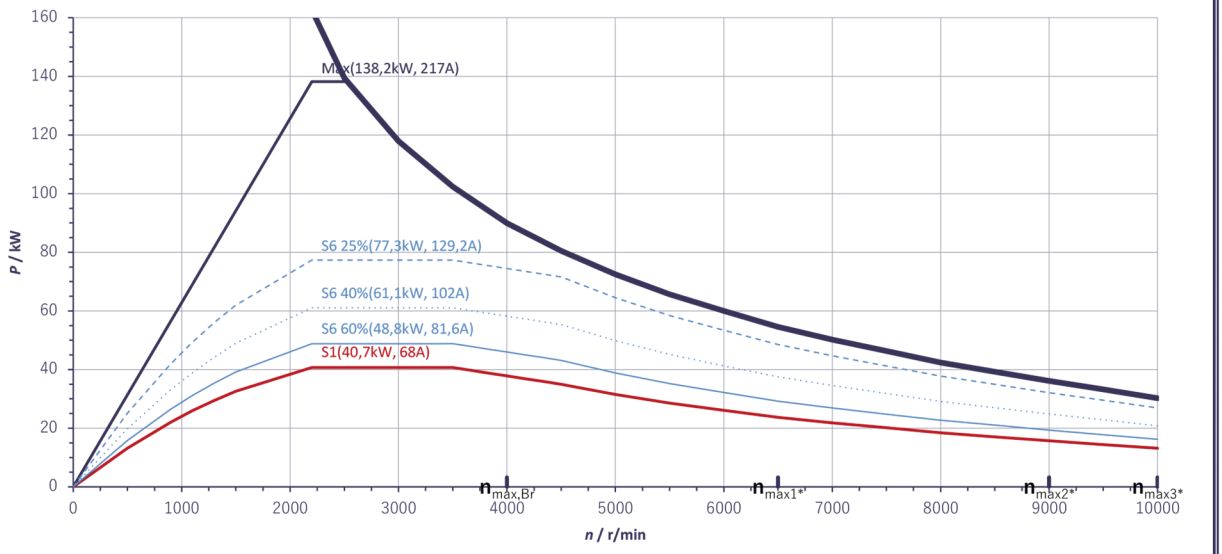
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	37,0	177,0	68,0	6500	9000	10000	4000	3550	600,0	217	252	87,0

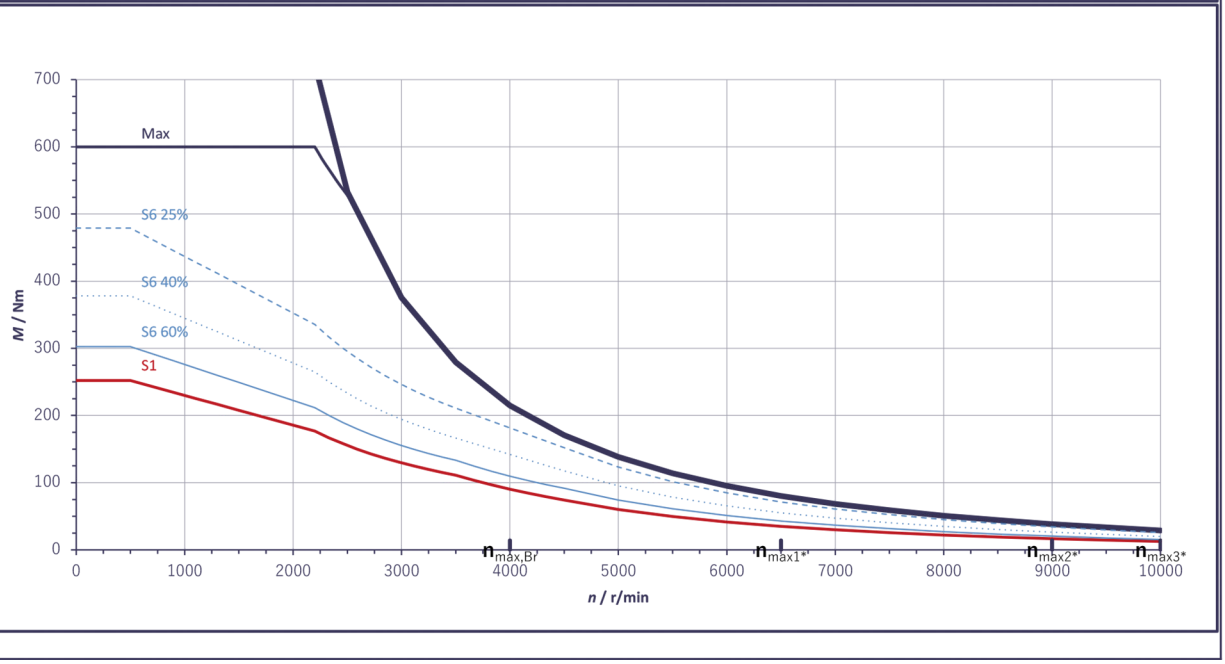




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8163-1□F0, 1PH8163-1□F1, 1PH8163-3□F0, 1PH8163-3□F1 in Star-connection

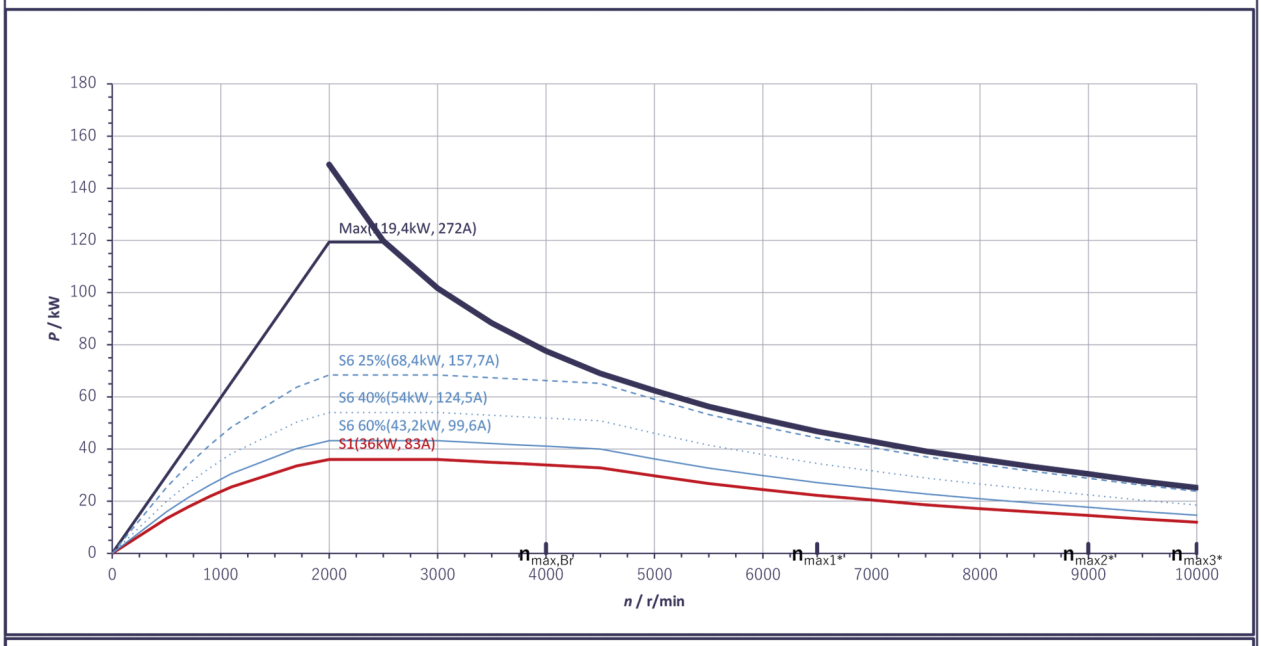
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	40,7	177,0	68,0	6500	9000	10000	4000	3500	600,0	217	252	87,0

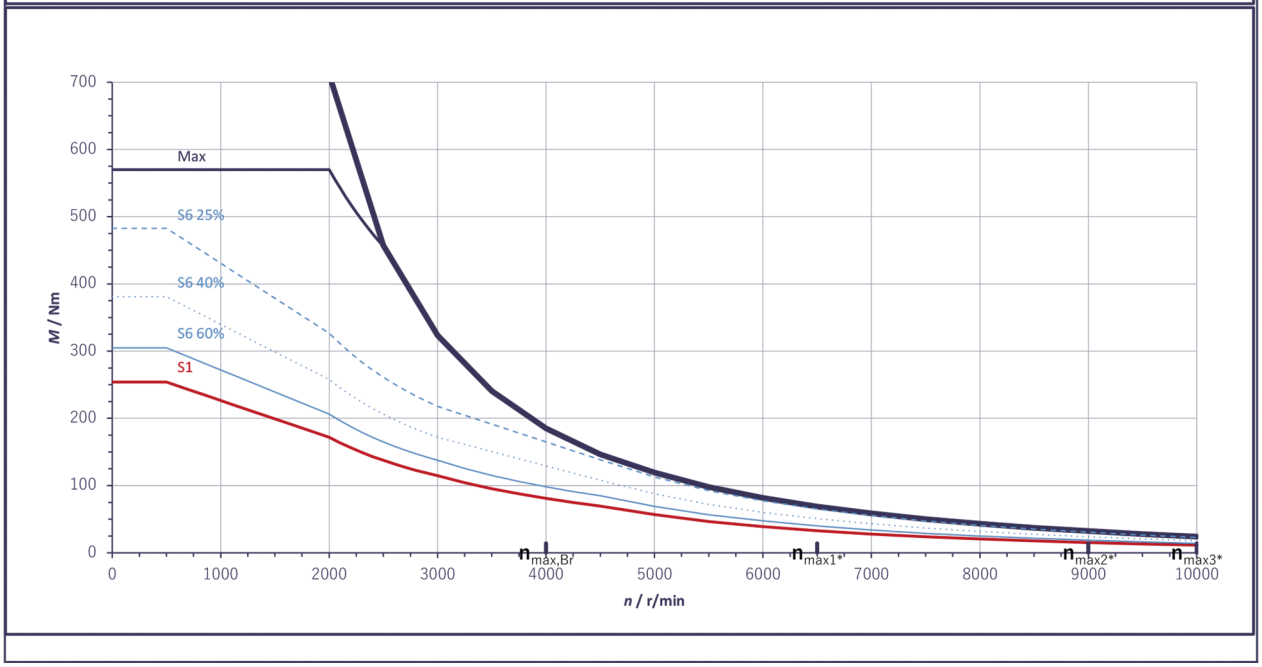




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8163-1□G0, 1PH8163-1□G1, 1PH8163-3□G0, 1PH8163-3□G1 in Star-connection

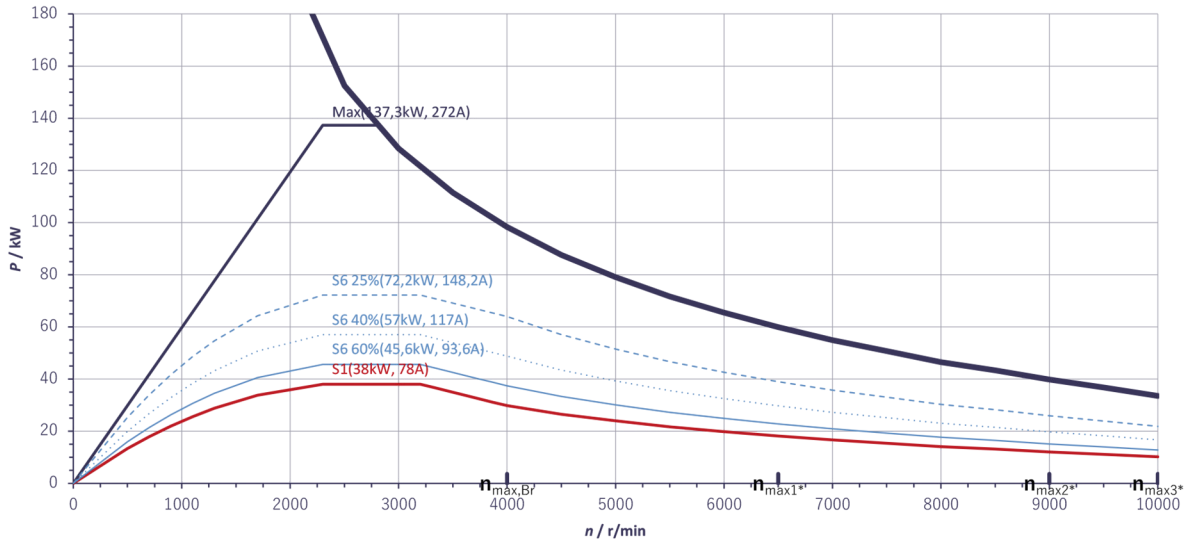
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	36,0	172,0	83,0	6500	9000	10000	4000	3000	570,0	272	254	111,0

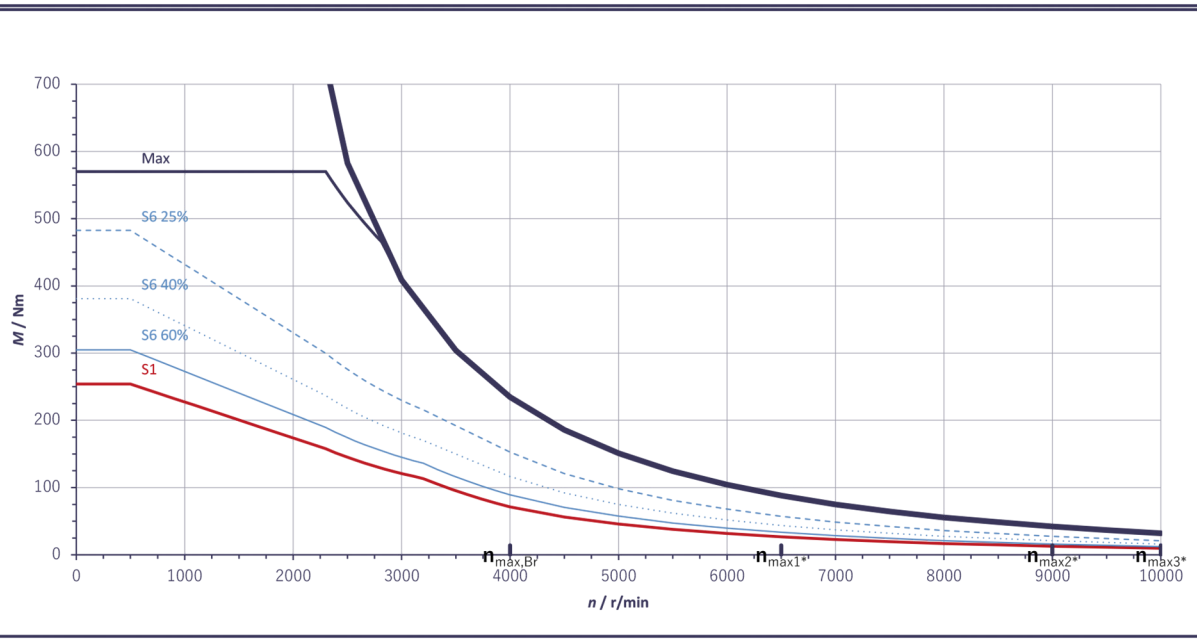




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8163-1□G0, 1PH8163-1□G1, 1PH8163-3□G0, 1PH8163-3□G1 in Star-connection

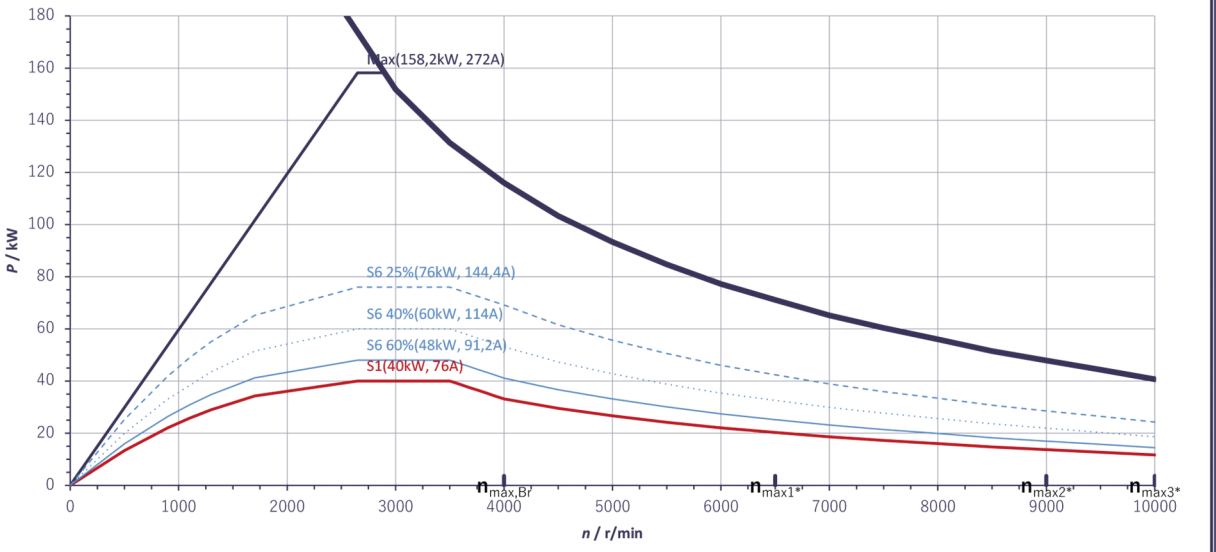
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	38,0	158,0	78,0	6500	9000	10000	4000	3200	570,0	272	254	111,0
2000	36,0	172	83,0					3500				

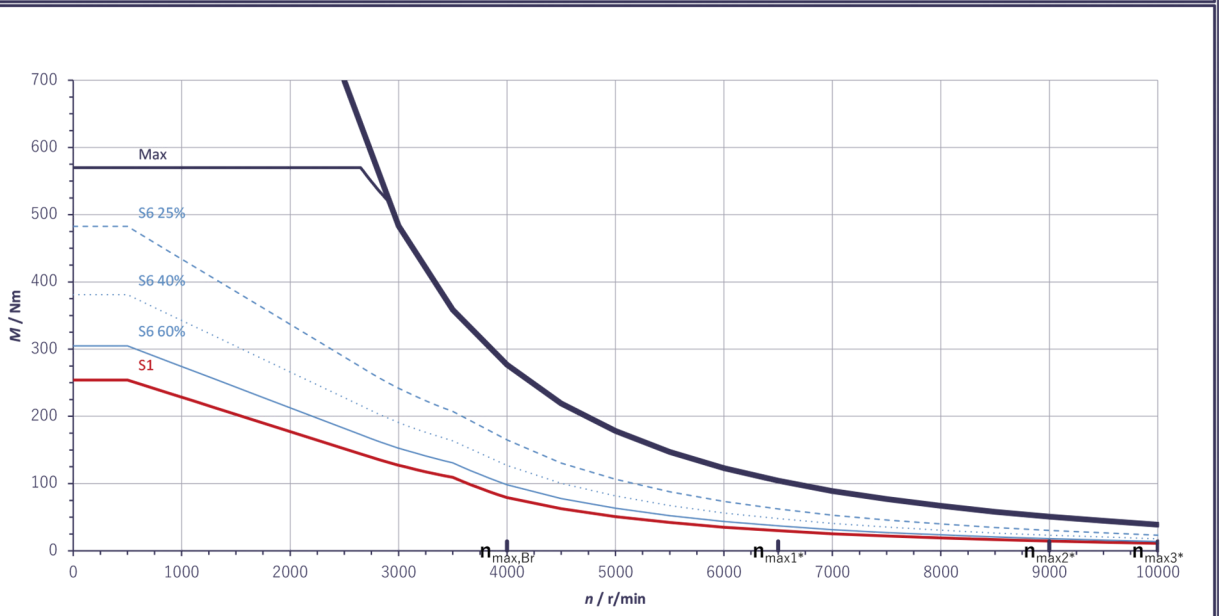




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8163-1□G0, 1PH8163-1□G1, 1PH8163-3□G0, 1PH8163-3□G1 in Star-connection

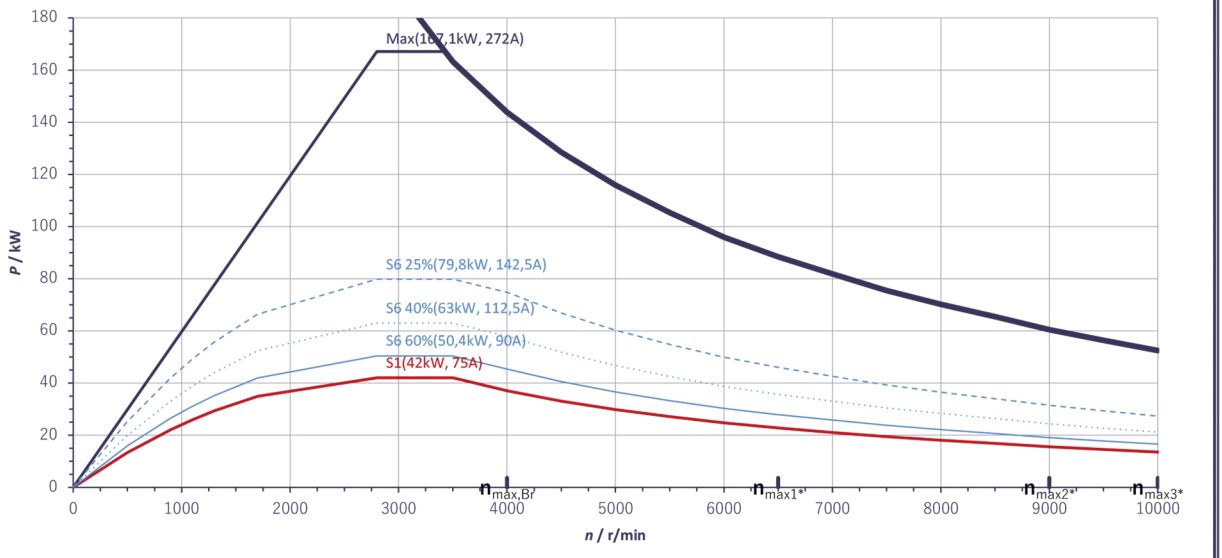
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	40,0	144,0	76,0	6500	9000	10000	4000	3500	570,0	272	254	111,0

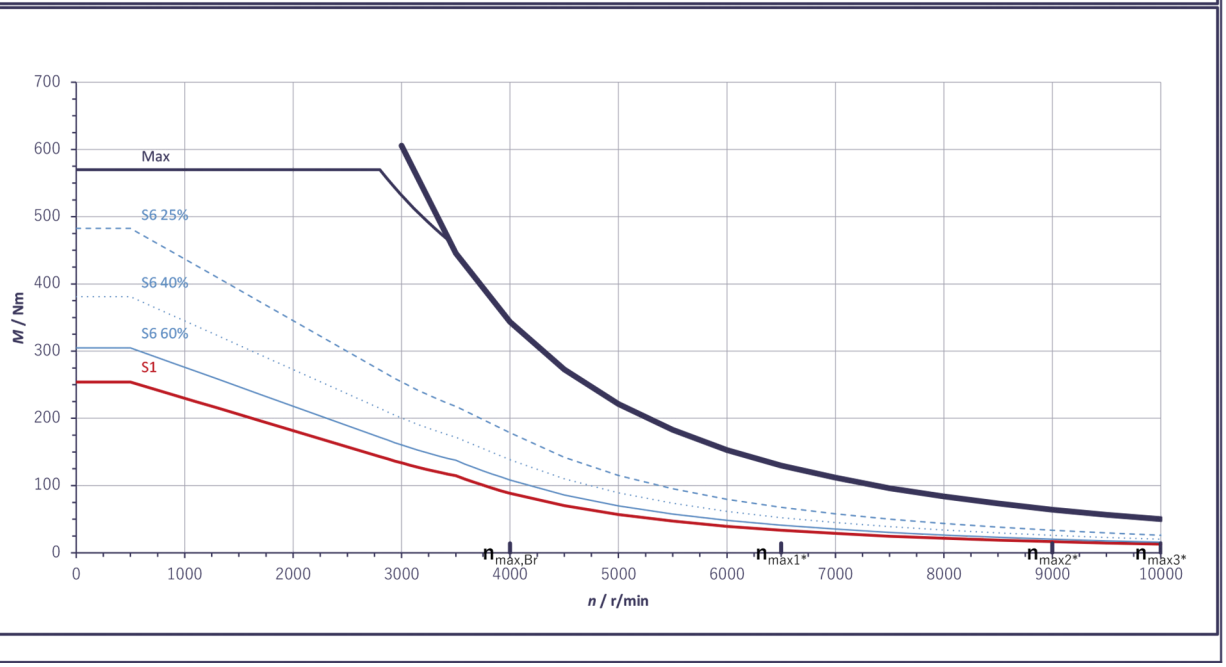




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8163-1□G0, 1PH8163-1□G1, 1PH8163-3□G0, 1PH8163-3□G1 in Star-connection

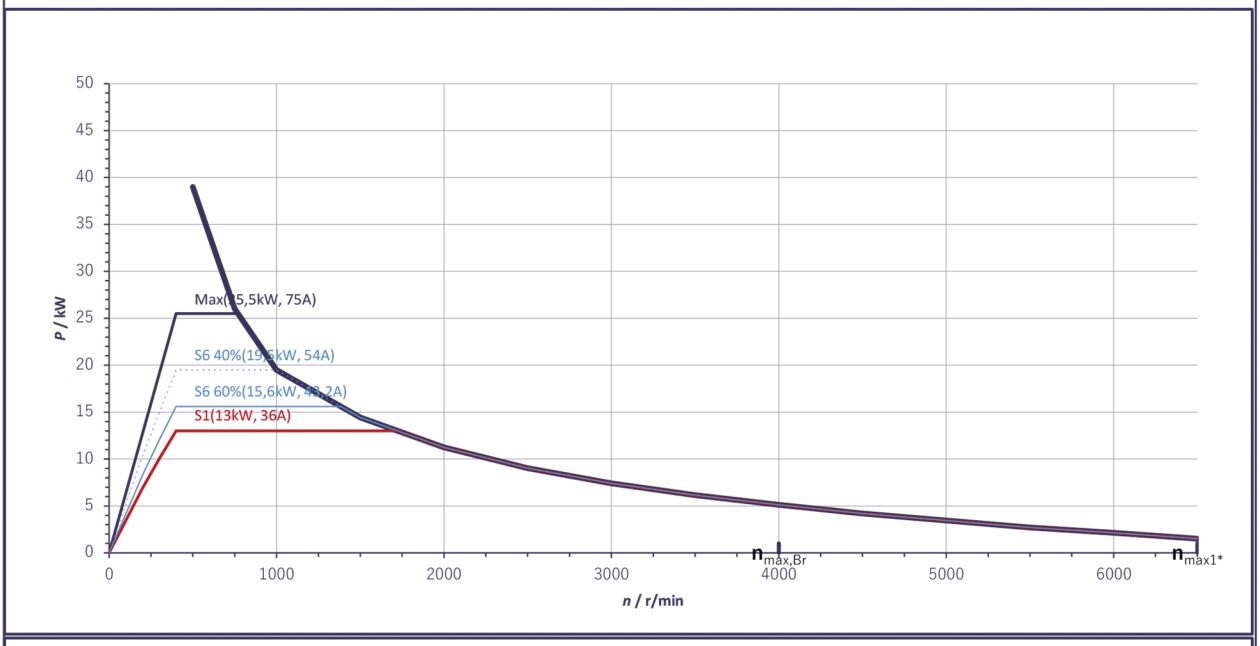
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	42,0	143,0	75,0	6500	9000	10000	4000	3500	570,0	272	254	111,0

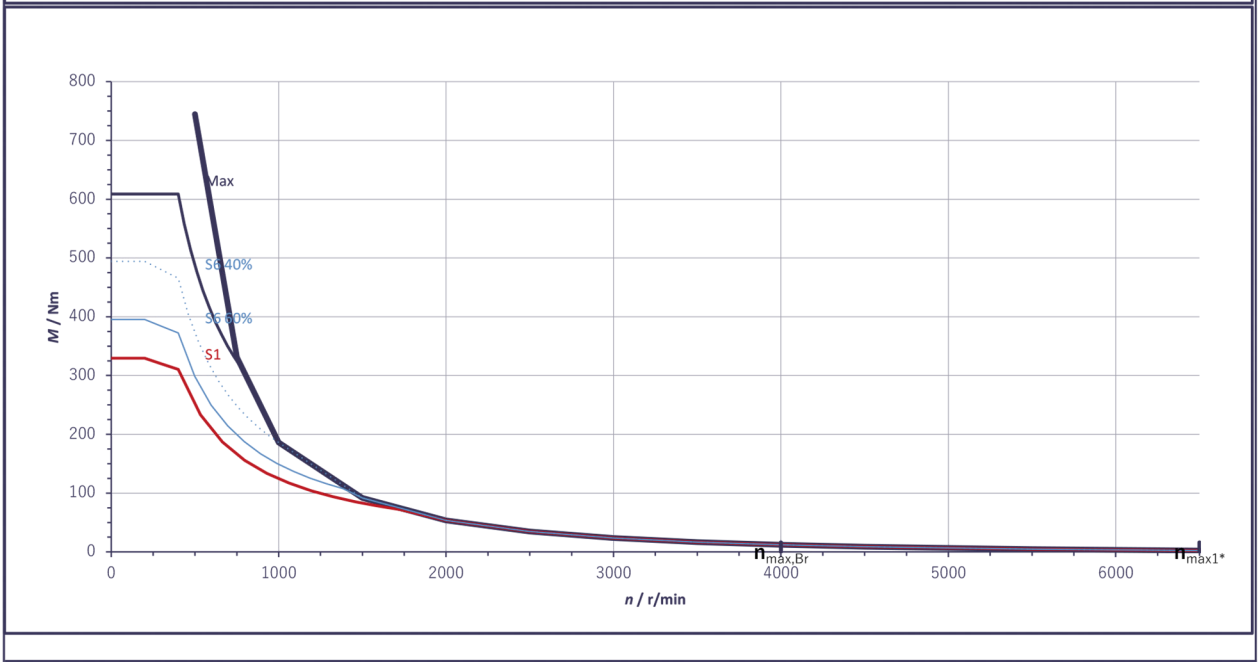




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8165-1□B0, 1PH8165-1□B1, 1PH8165-3□B0, 1PH8165-3□B1 in Star-connection

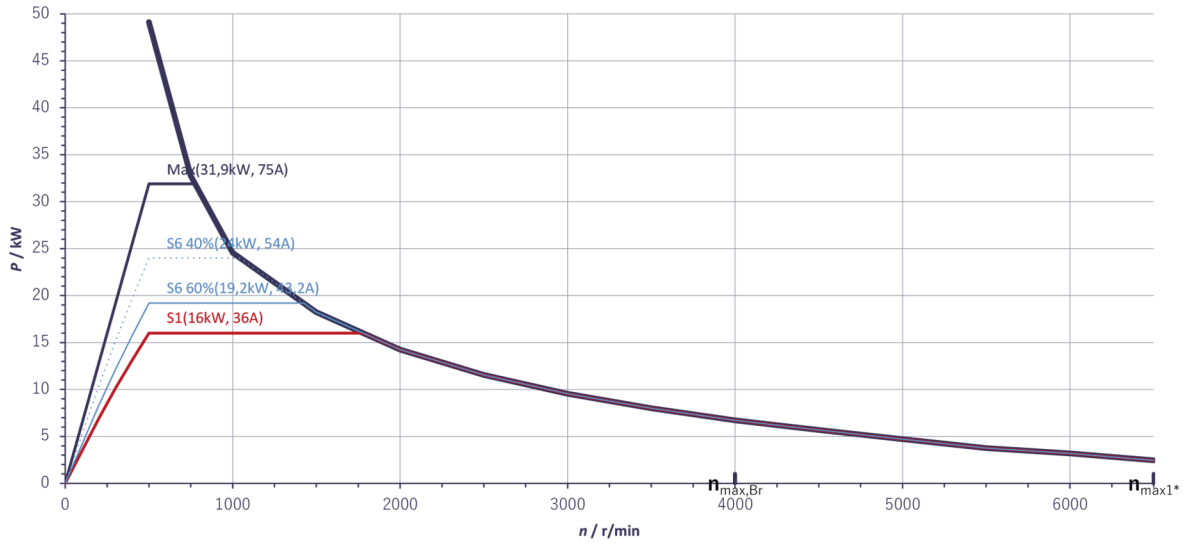
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
400	13,0	310,0	36,0	6500	--	--	4000	1750	610,0	75	329	37,0

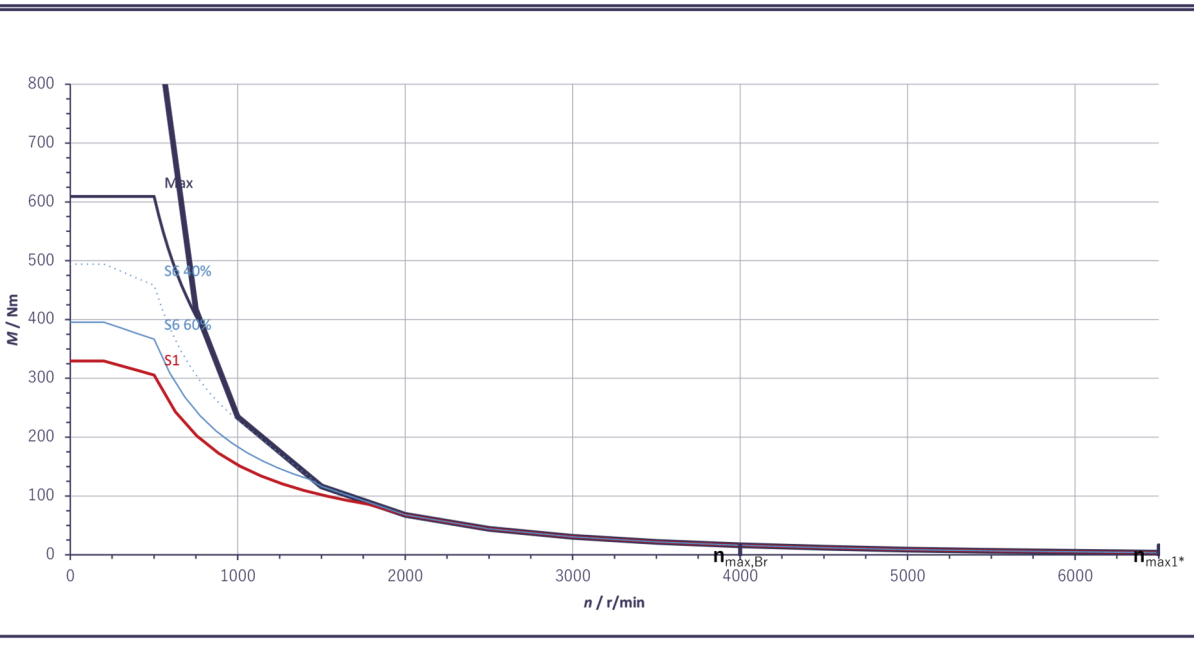




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8165-1□B0, 1PH8165-1□B1, 1PH8165-3□B0, 1PH8165-3□B1 in Star-connection

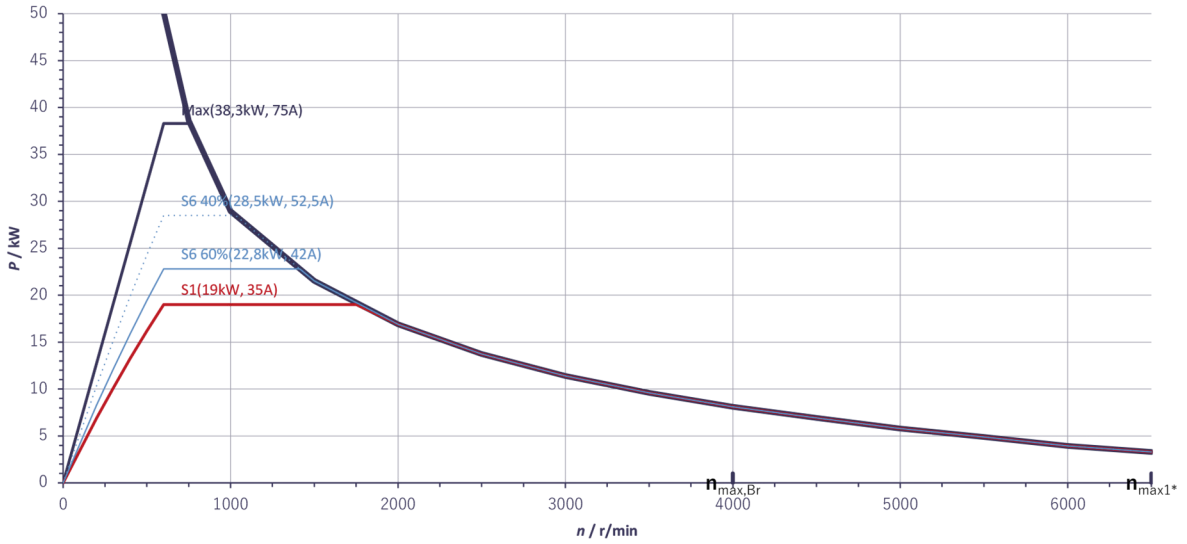
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
500	16,0	306,0	36,0	6500	--	--	4000	1850	610,0	75	329	37,0
400	13,0	310	36,0					2300				

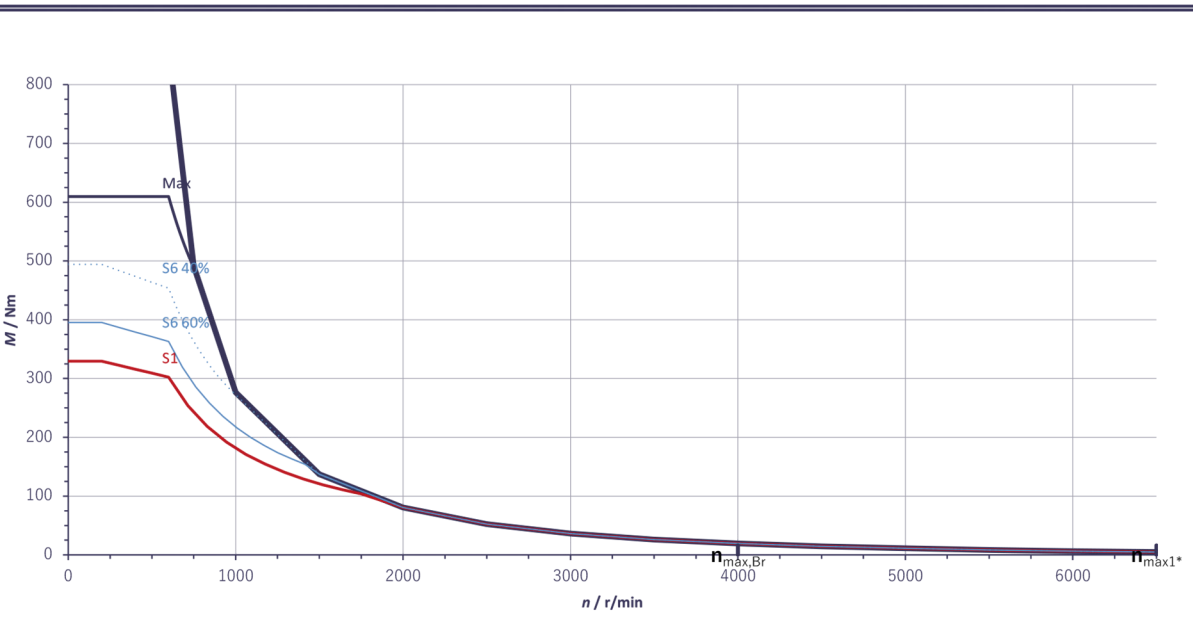




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8165-1□B0, 1PH8165-1□B1, 1PH8165-3□B0, 1PH8165-3□B1 in Star-connection

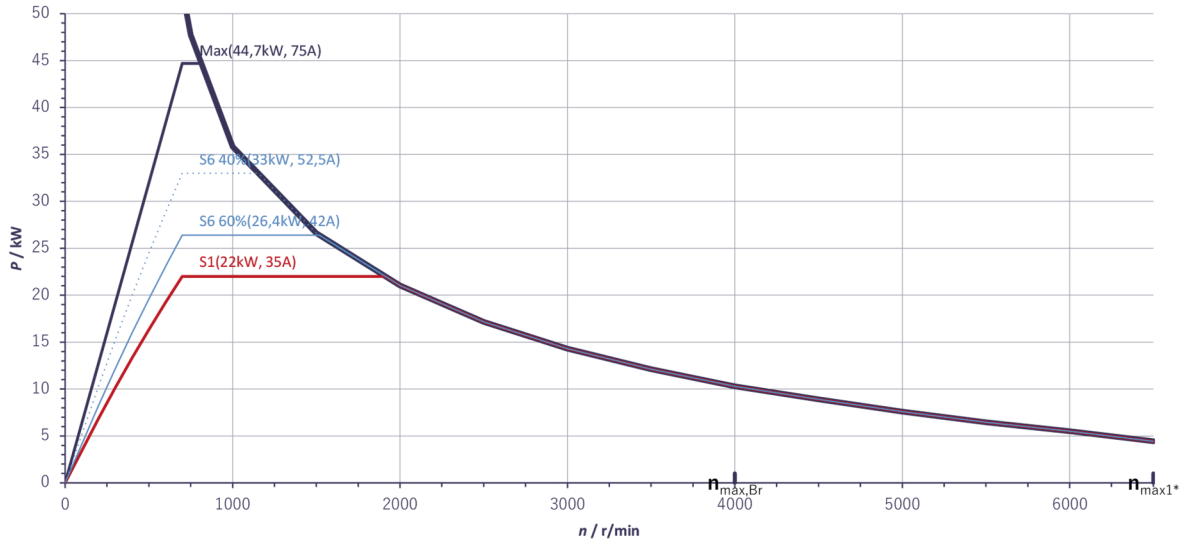
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
600	19,0	302,0	35,0	6500	--	--	4000	1800	610,0	75	329	37,0

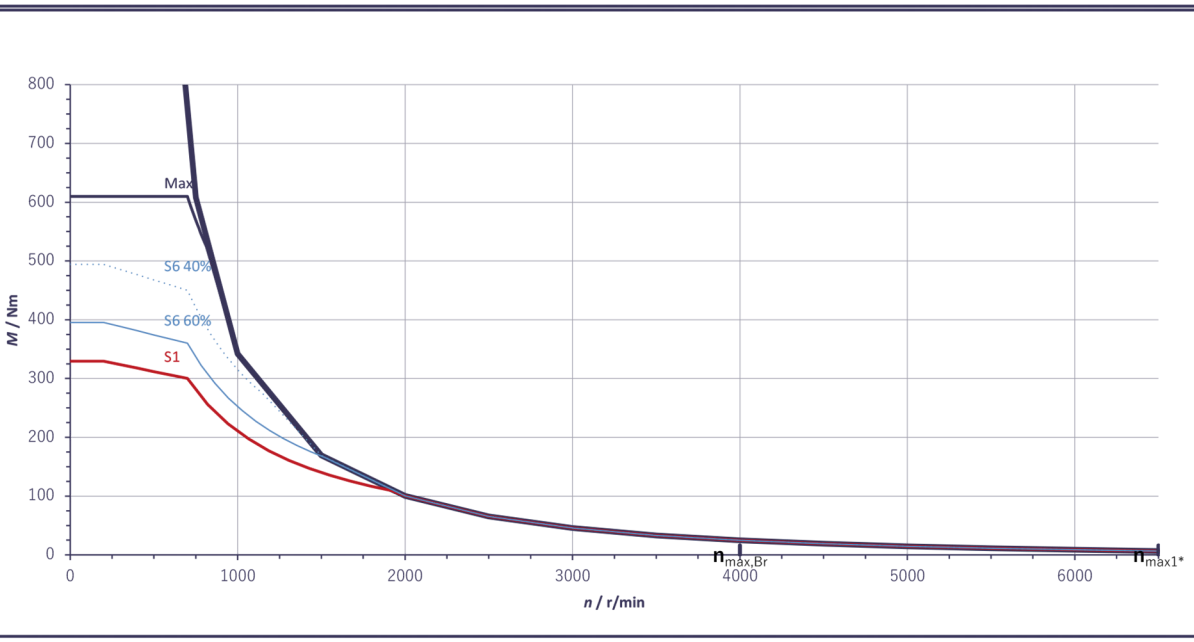




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8165-1□B0, 1PH8165-1□B1, 1PH8165-3□B0, 1PH8165-3□B1 in Star-connection

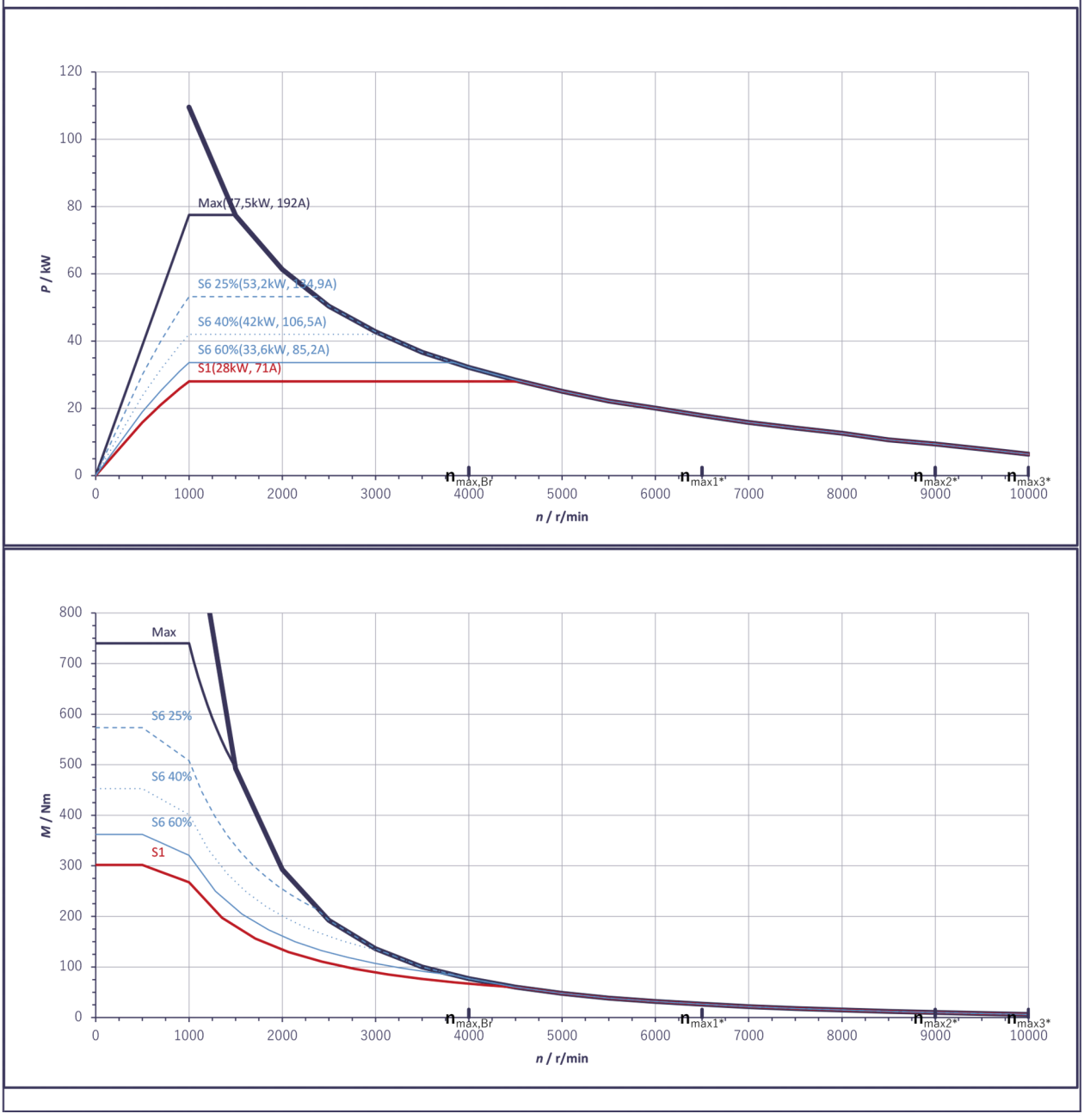
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
700	22,0	300,0	35,0	6500	--	--	4000	1900	610,0	75	329	37,0





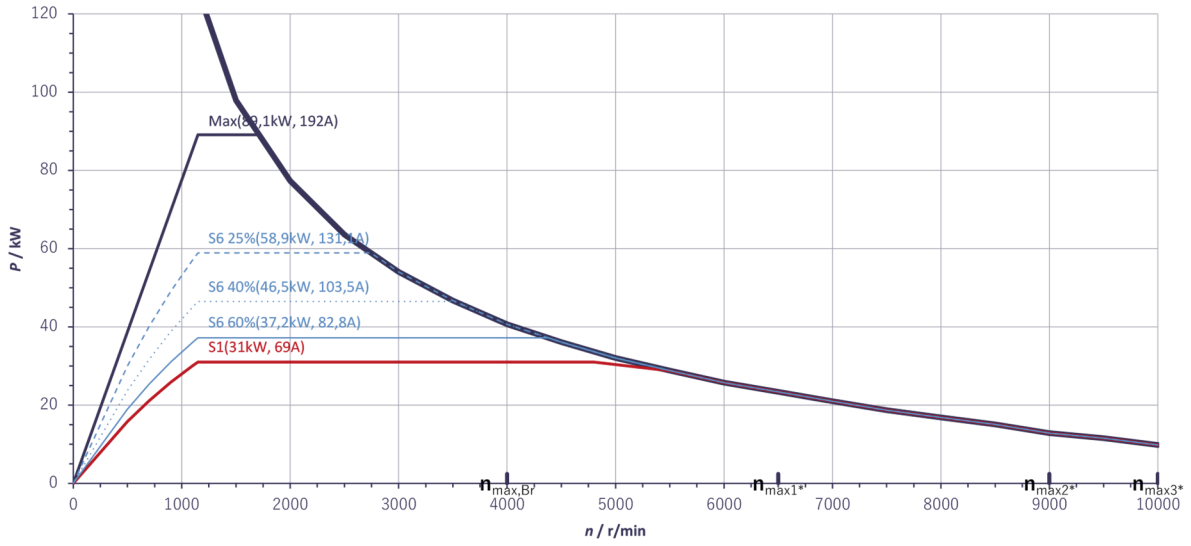
SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8165-1□D0, 1PH8165-1□D1, 1PH8165-3□D0, 1PH8165-3□D1 in Star-connection

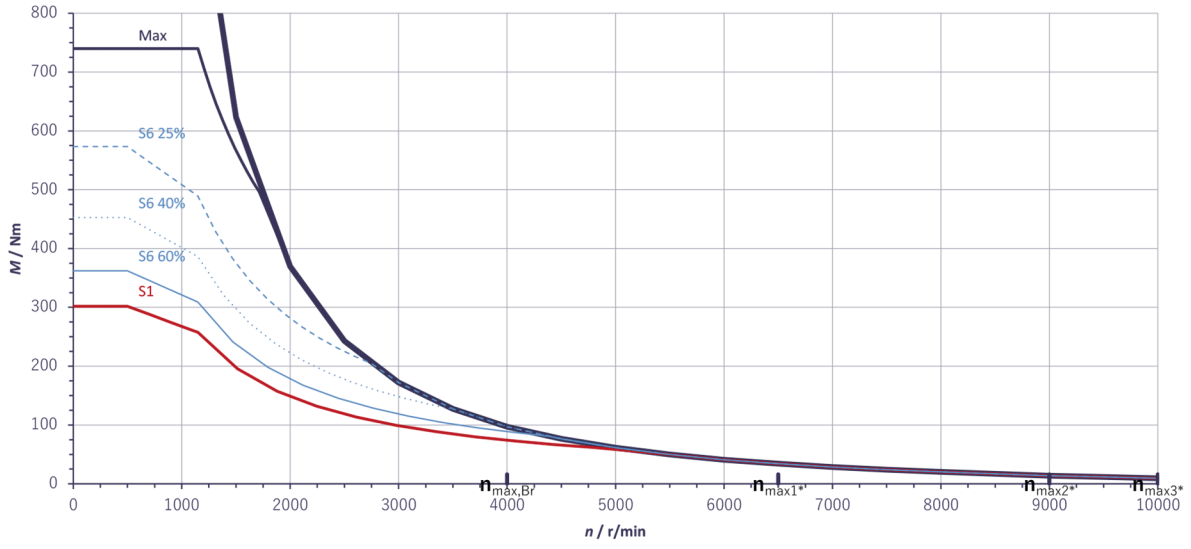
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1000	28,0	267,0	71,0	6500	9000	10000	4000	4600	740,0	192	302	77,0



SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8165-1□D0, 1PH8165-1□D1, 1PH8165-3□D0, 1PH8165-3□D1 in Star-connection

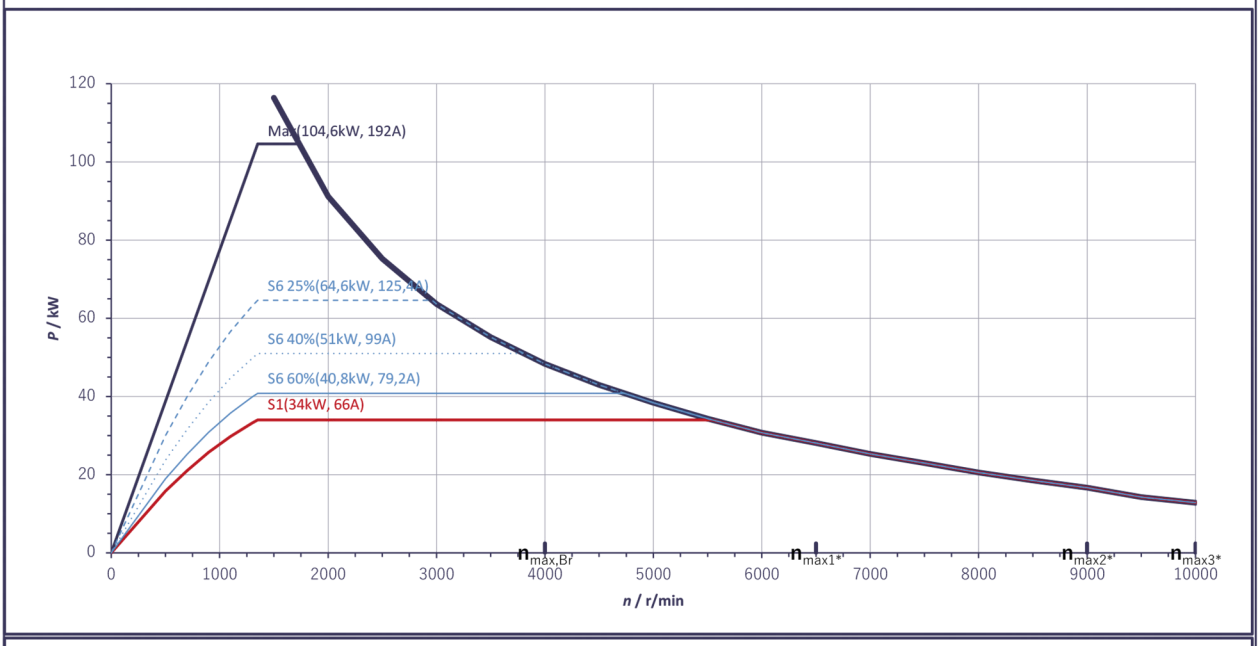
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1150	31,0	257,0	69,0	6500	9000	10000	4000	4850	740,0	192	302	77,0
1000	28,0	267	71,0					5550				

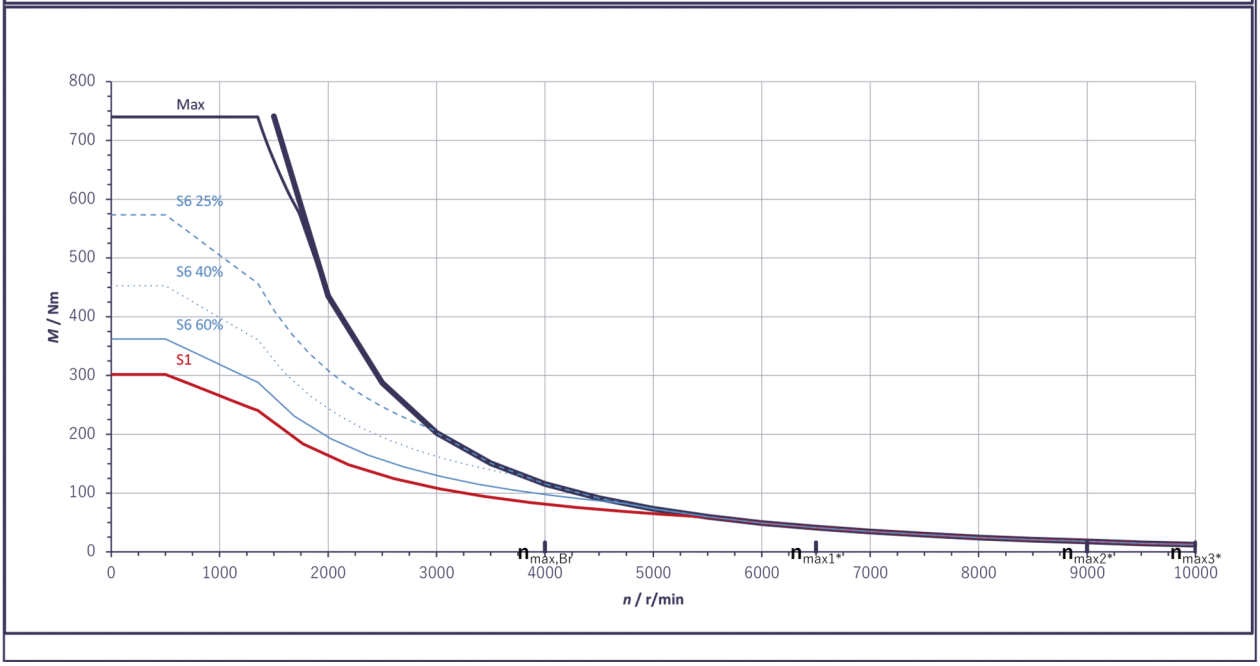




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8165-1□D0, 1PH8165-1□D1, 1PH8165-3□D0, 1PH8165-3□D1 in Star-connection

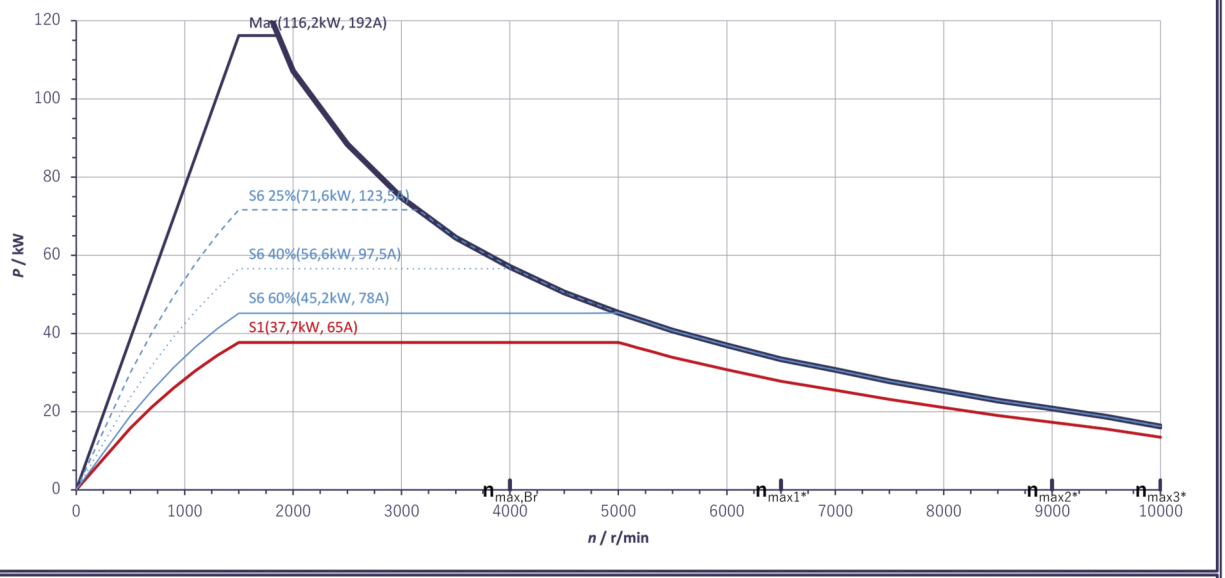
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1350	34,0	241,0	66,0	6500	9000	10000	4000	5600	740,0	192	302	77,0

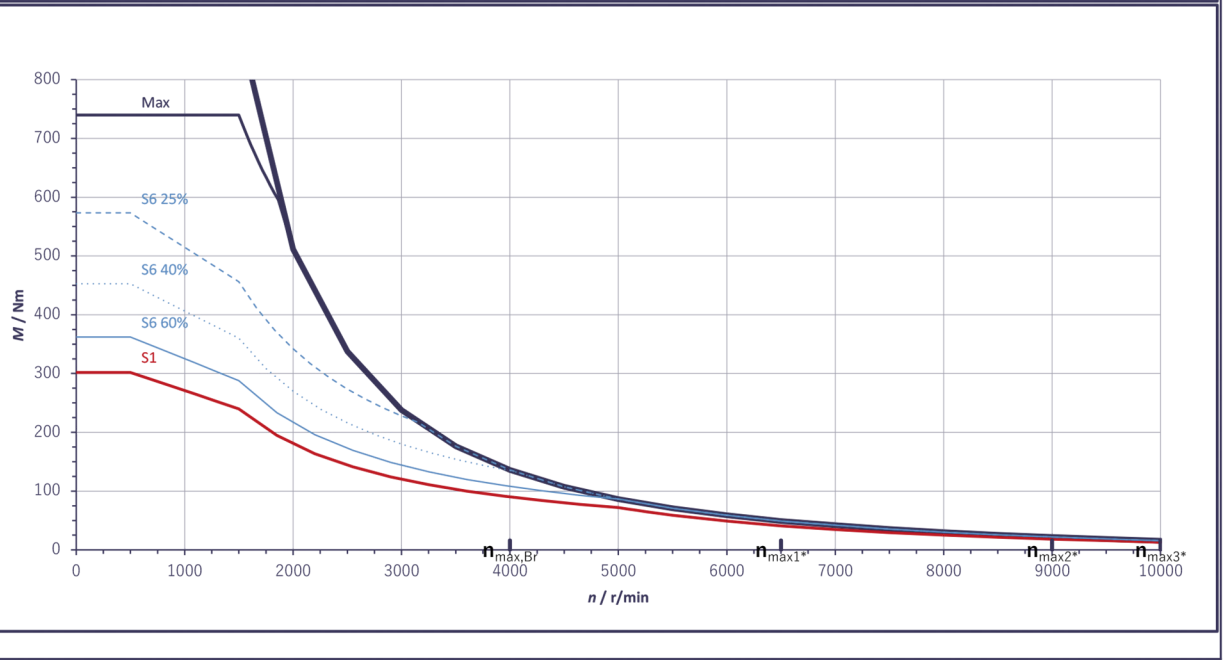




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8165-1□D0, 1PH8165-1□D1, 1PH8165-3□D0, 1PH8165-3□D1 in Star-connection

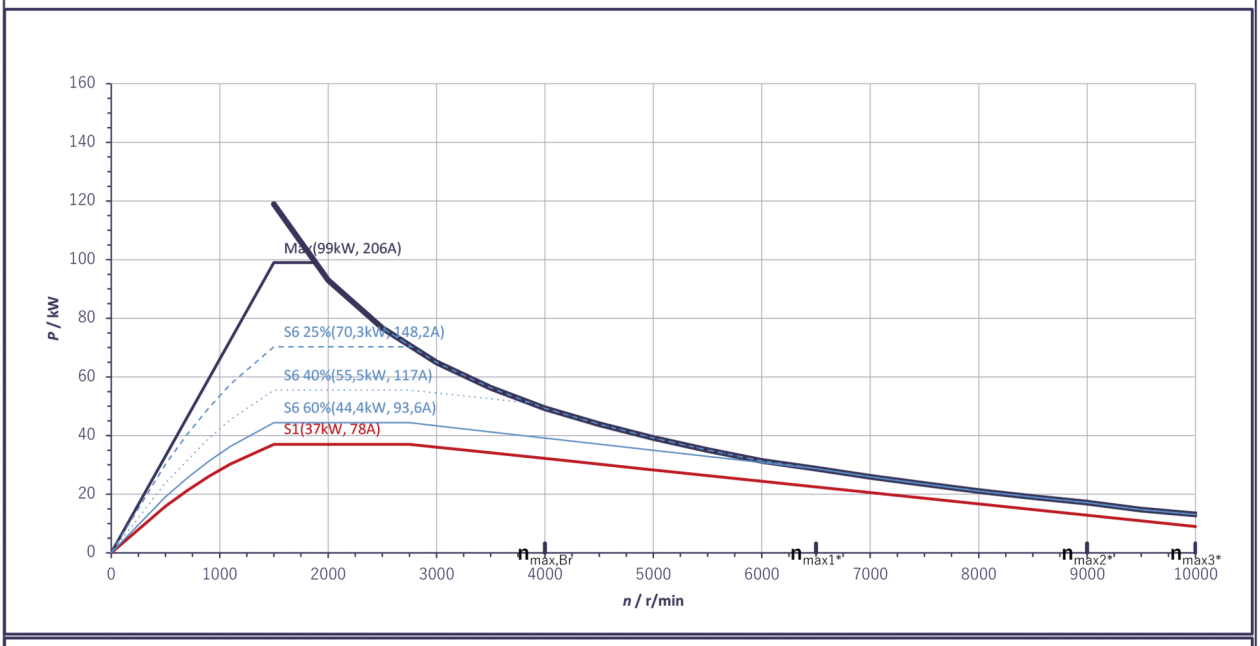
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	37,7	240,0	65,0	6500	9000	10000	4000	5000	740,0	192	302	77,0

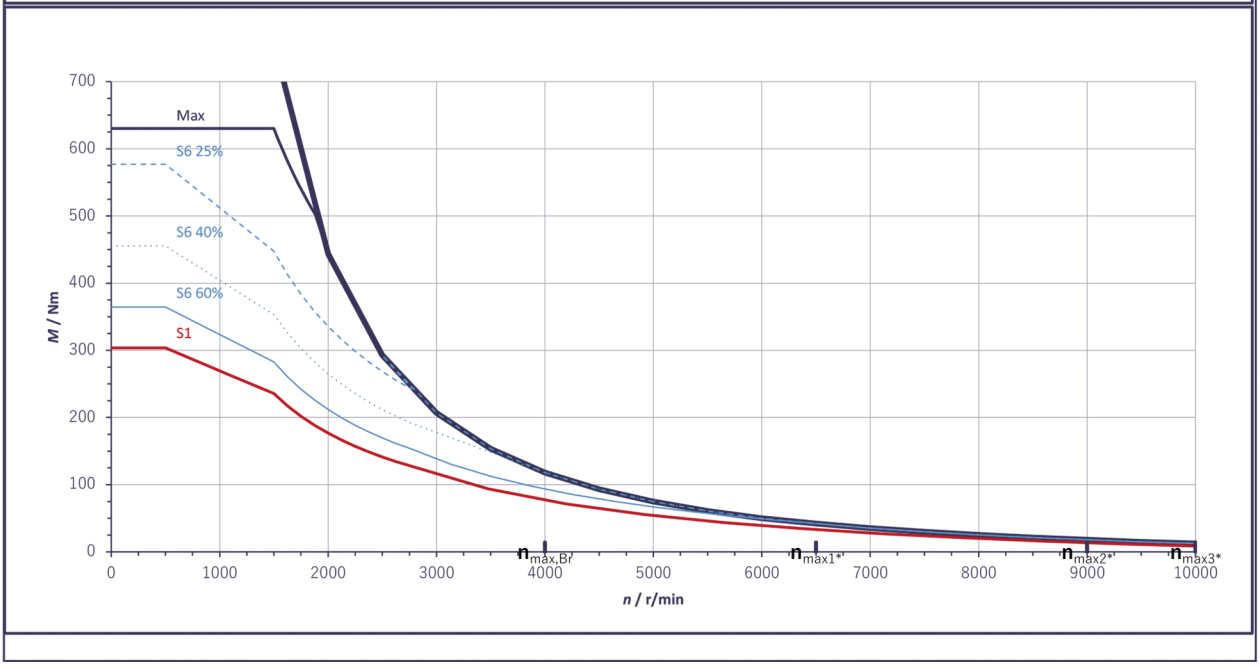




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8165-1□F0, 1PH8165-1□F1, 1PH8165-3□F0, 1PH8165-3□F1 in Star-connection

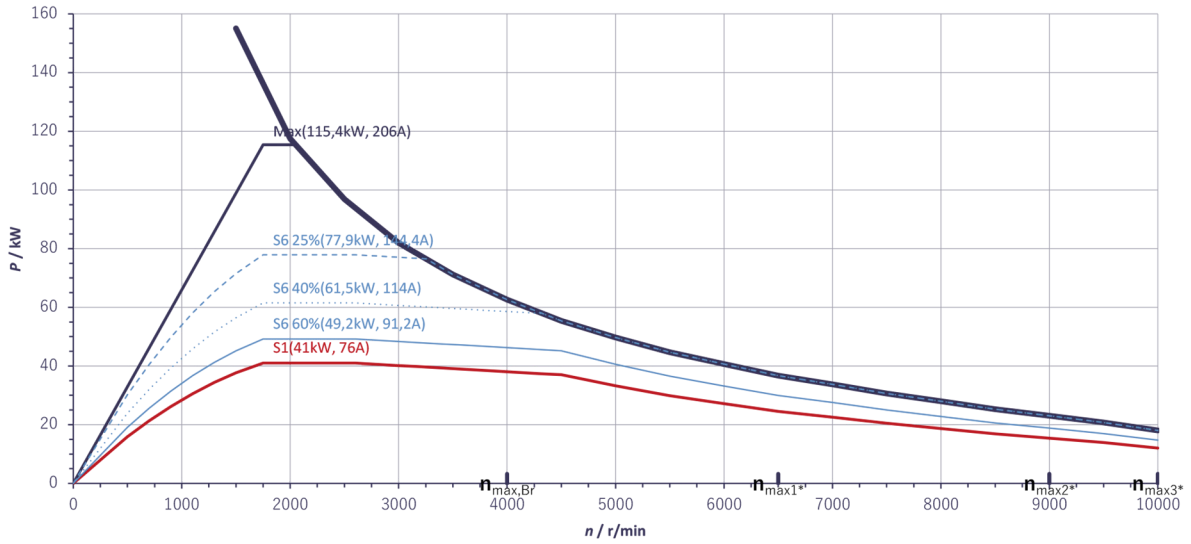
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	37,0	236,0	78,0	6500	9000	10000	4000	2800	630,0	206	304	95,0

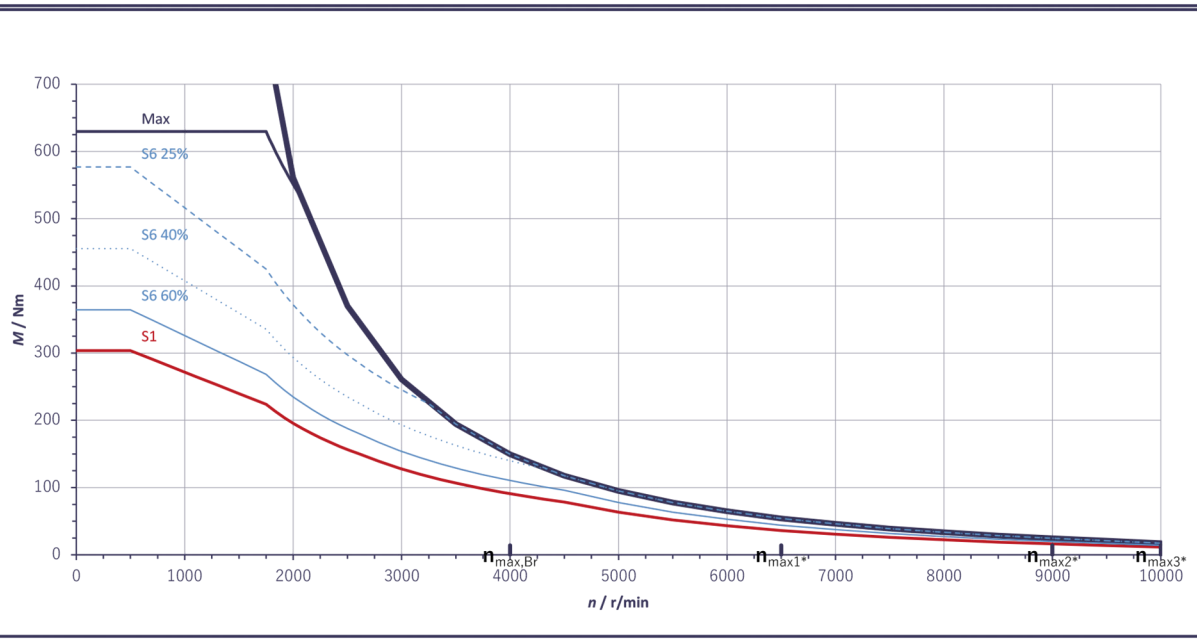




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8165-1□F0, 1PH8165-1□F1, 1PH8165-3□F0, 1PH8165-3□F1 in Star-connection

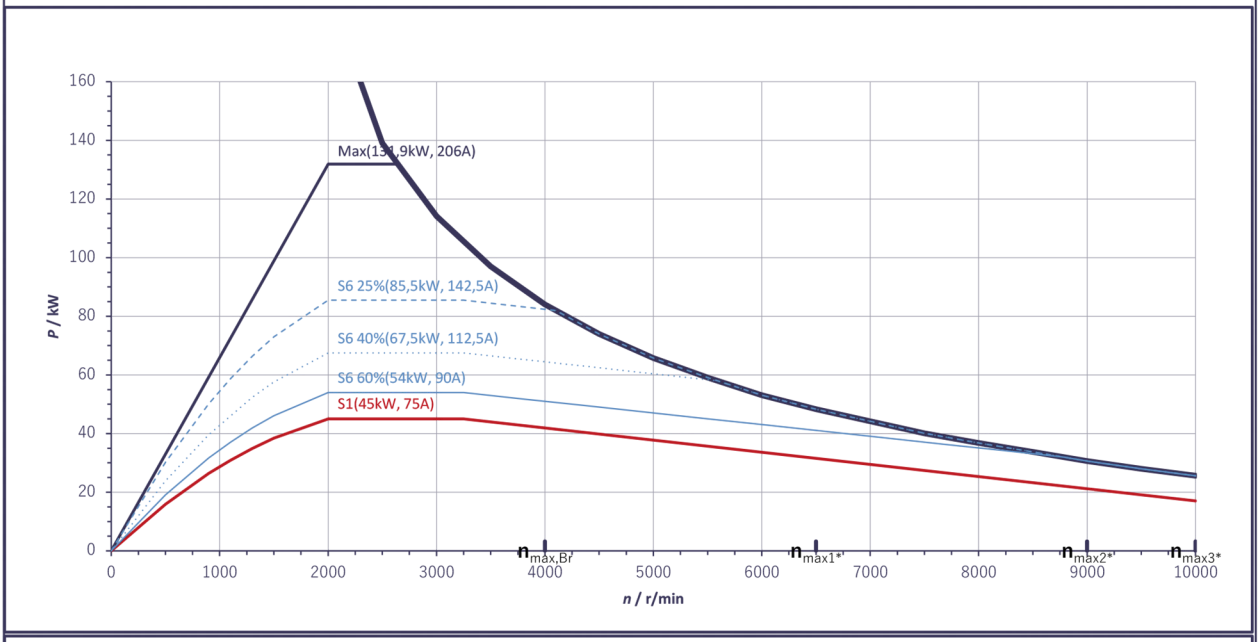
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	41,0	224,0	76,0	6500	9000	10000	4000	2650	630,0	206	304	95,0
1500	37,0	236	78,0					4550				

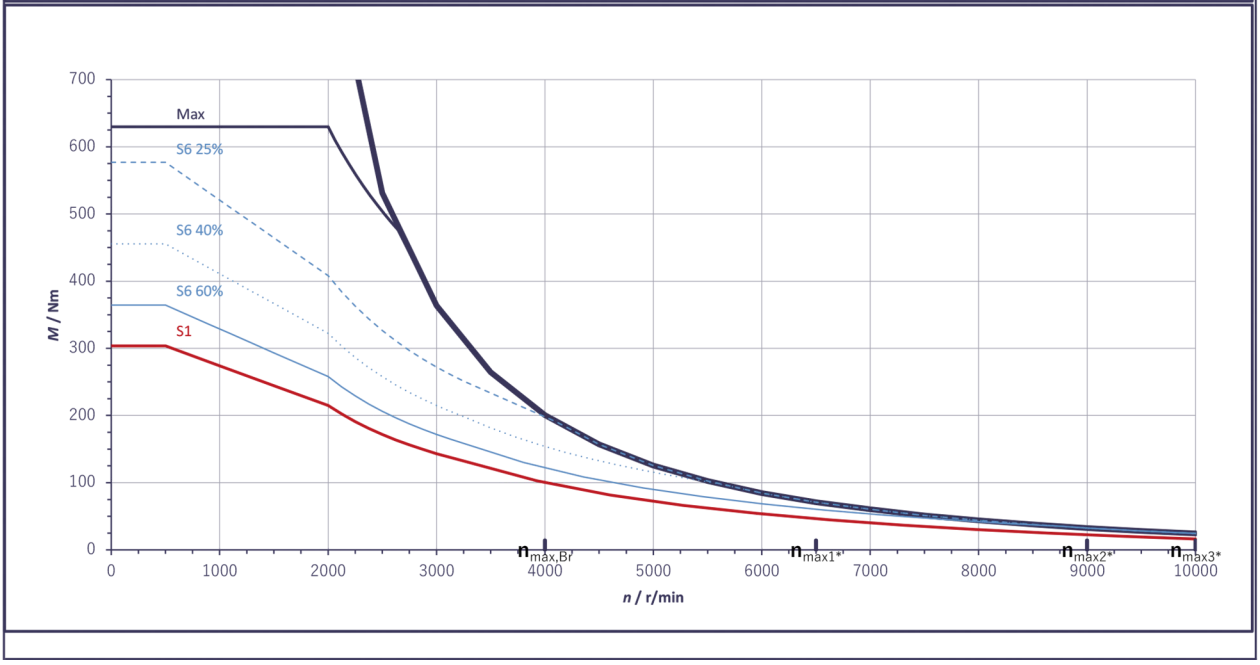




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8165-1□F0, 1PH8165-1□F1, 1PH8165-3□F0, 1PH8165-3□F1 in Star-connection

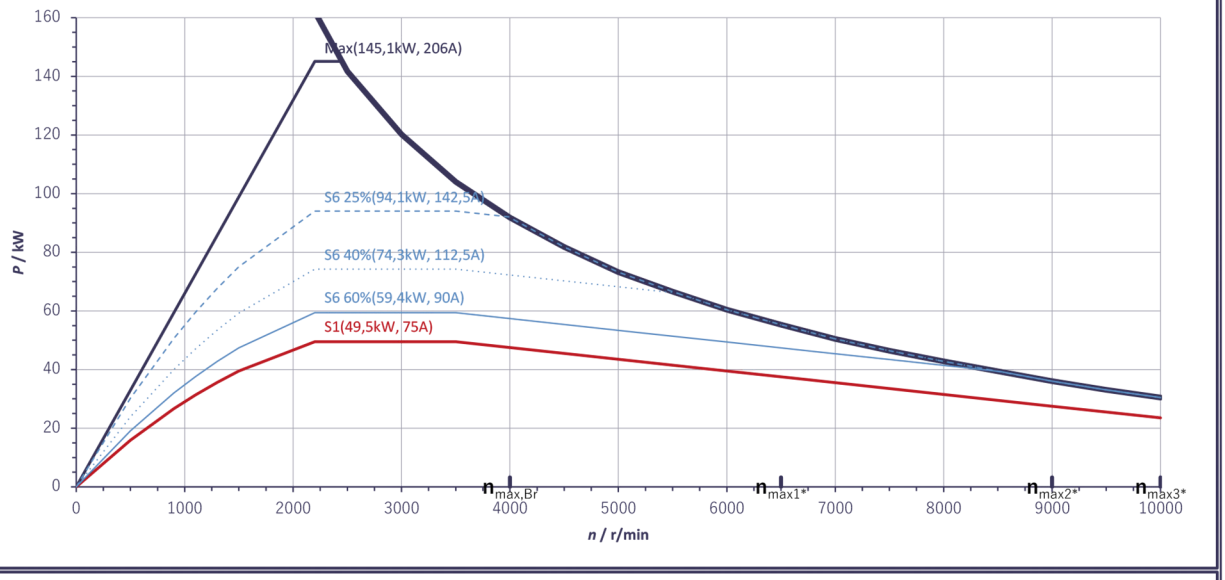
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	45,0	215,0	75,0	6500	9000	10000	4000	3300	630,0	206	304	95,0

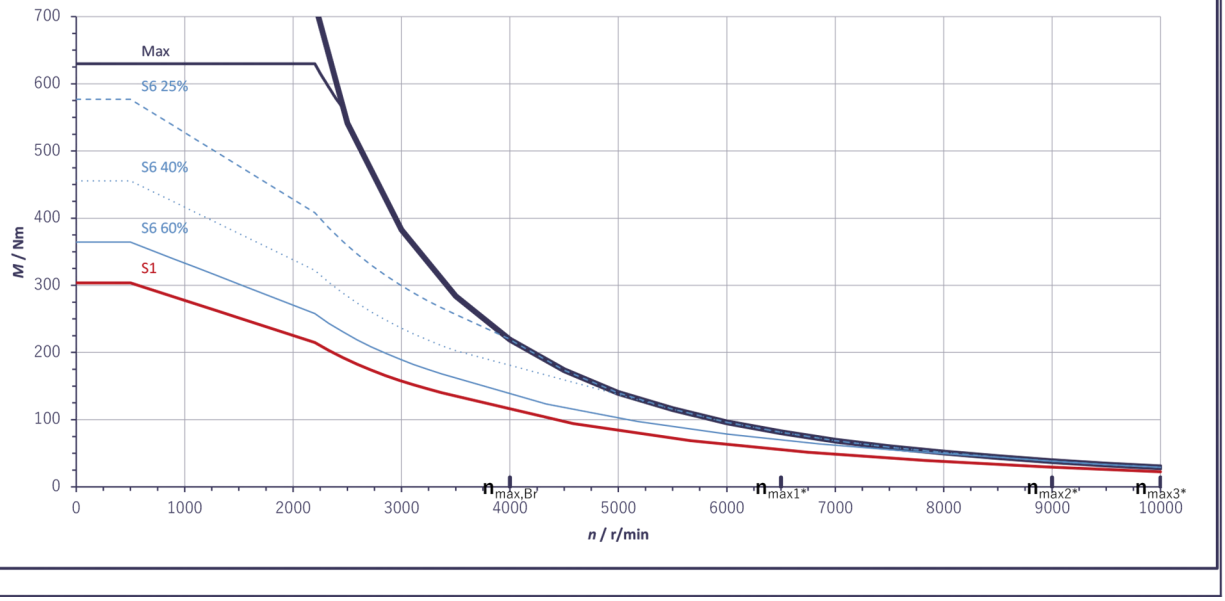




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8165-1□F0, 1PH8165-1□F1, 1PH8165-3□F0, 1PH8165-3□F1 in Star-connection

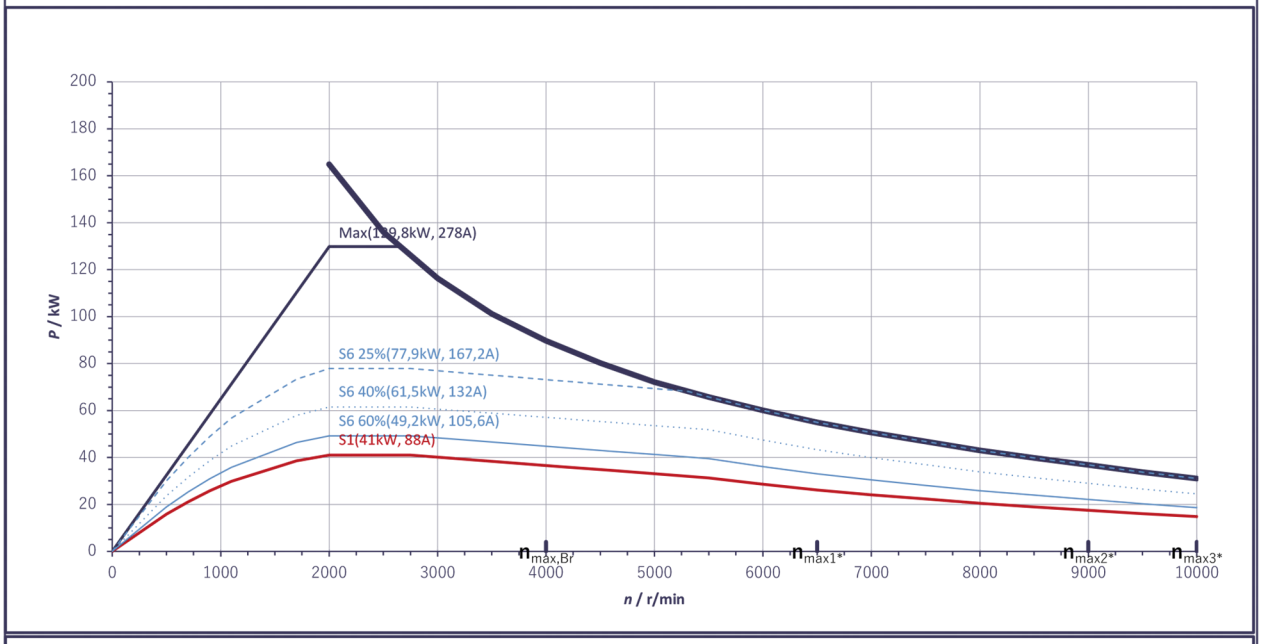
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	49,5	215,0	75,0	6500	9000	10000	4000	3500	630,0	206	304	95,0

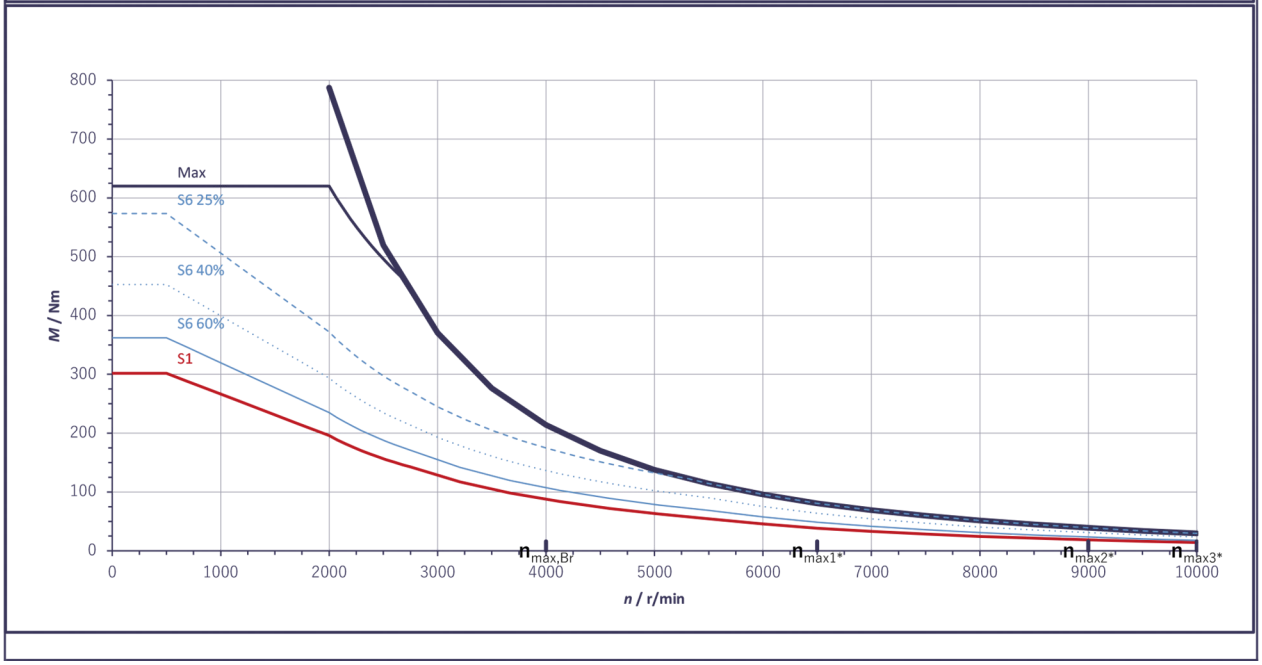




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8165-1□G0, 1PH8165-1□G1, 1PH8165-3□G0, 1PH8165-3□G1 in Star-connection

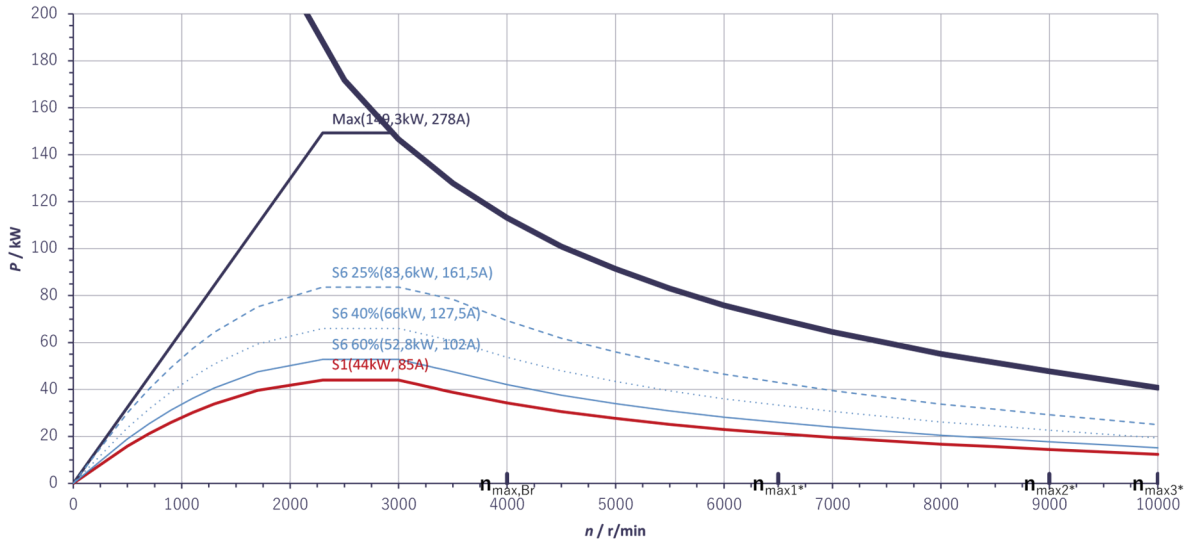
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	41,0	196,0	88,0	6500	9000	10000	4000	2750	620,0	278	302	122,0

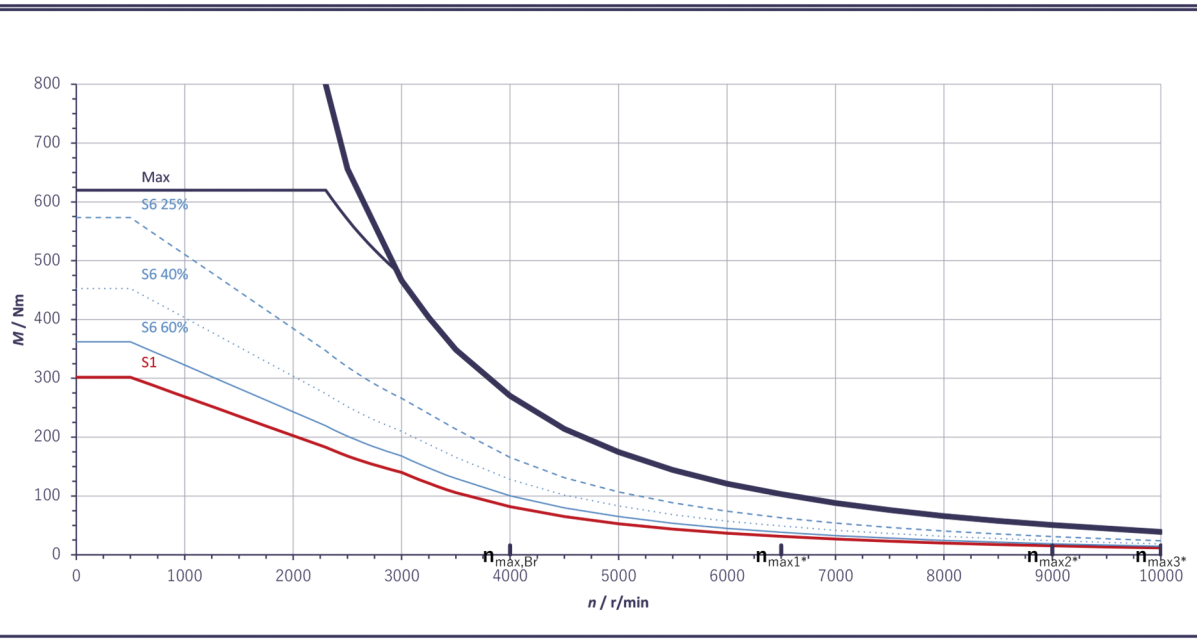




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8165-1□G0, 1PH8165-1□G1, 1PH8165-3□G0, 1PH8165-3□G1 in Star-connection

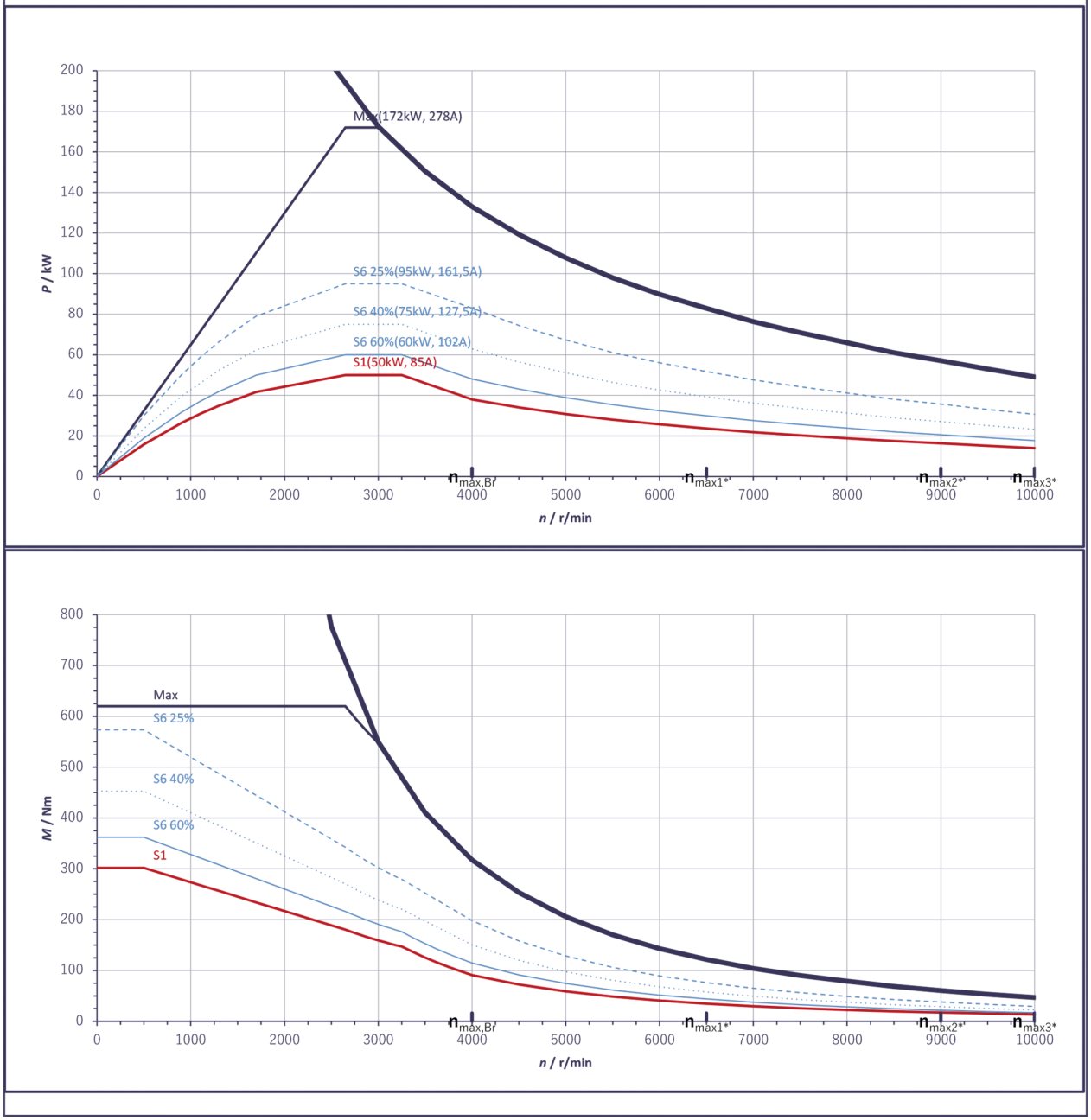
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	44,0	183,0	85,0	6500	9000	10000	4000	3000	620,0	278	302	122,0
2000	41,0	196	88,0					3200				





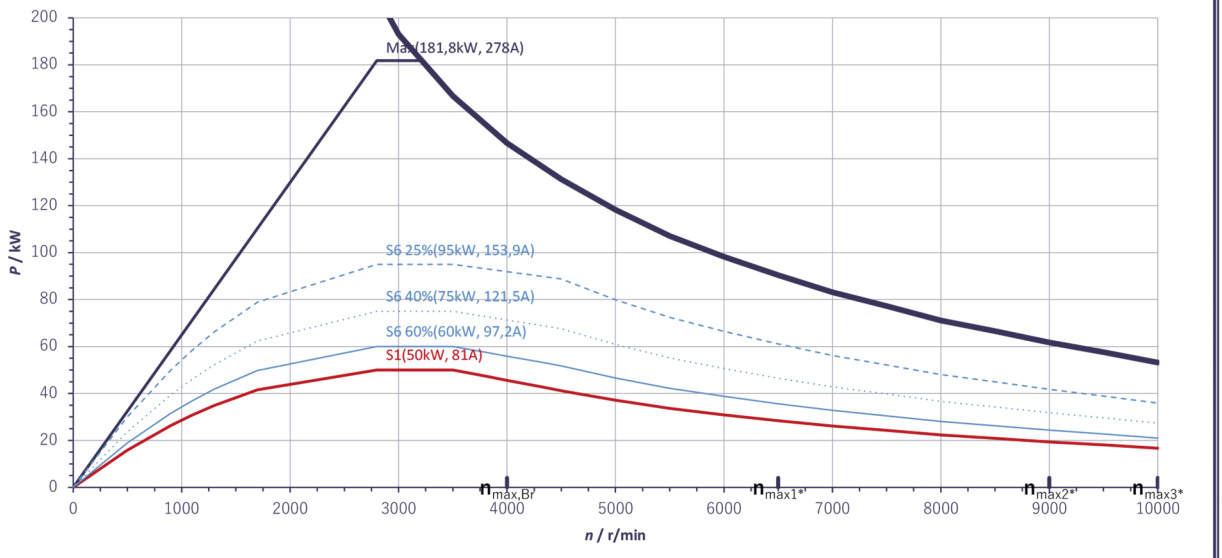
SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8165-1□G0, 1PH8165-1□G1, 1PH8165-3□G0, 1PH8165-3□G1 in Star-connection

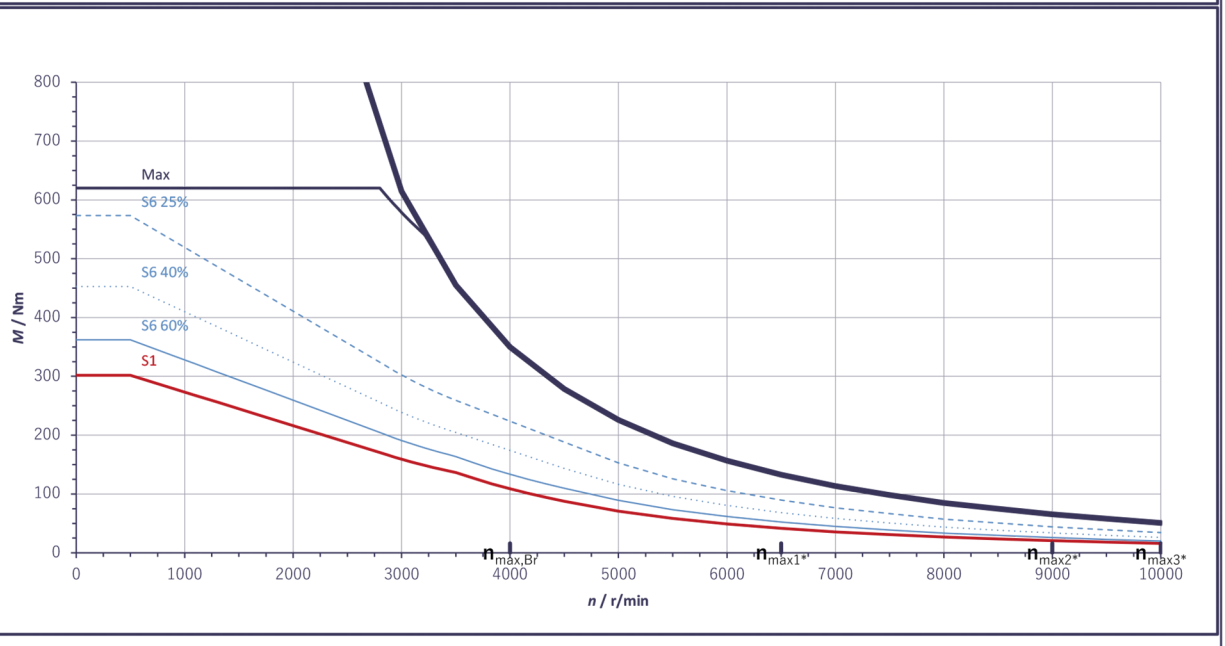
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	50,0	180,0	85,0	6500	9000	10000	4000	3250	620,0	278	302	122,0



SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8165-1□G0, 1PH8165-1□G1, 1PH8165-3□G0, 1PH8165-3□G1 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	50,0	171,0	81,0	6500	9000	10000	4000	3500	620,0	278	302	122,0





2.2.6 Shaft height 180 - forced ventilation

Table 2-24 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	16.3	389	49	5000	7500	-	3500	2800	925	124	389	49

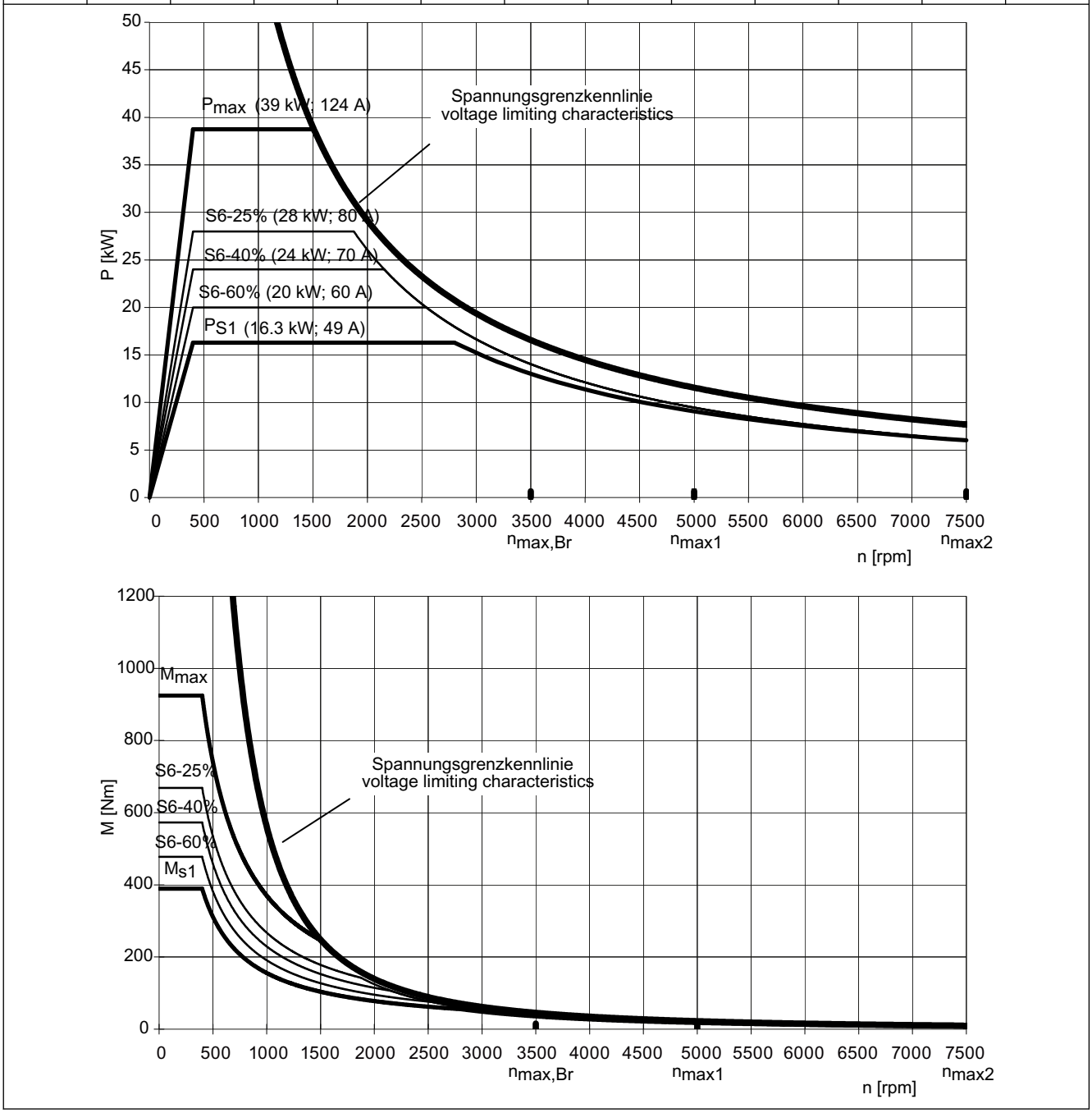
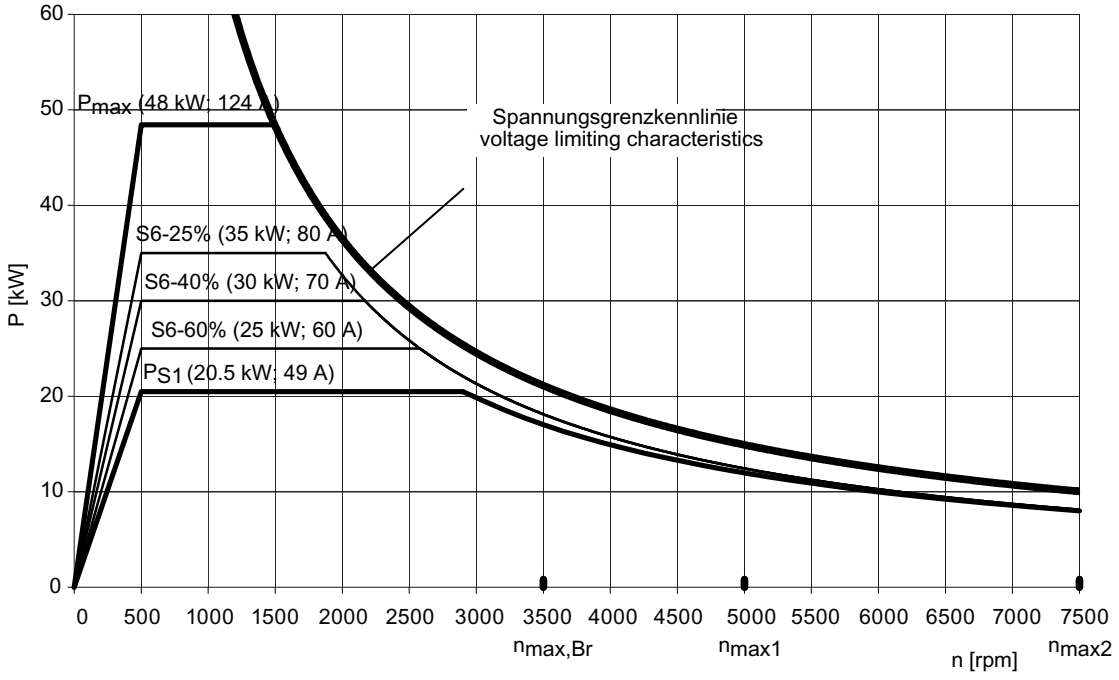


Table 2-25 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8184-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	20.5	392	49	5000	7500	-	3500	2900	925	124	392	49
400	16.3	389	49					3700				



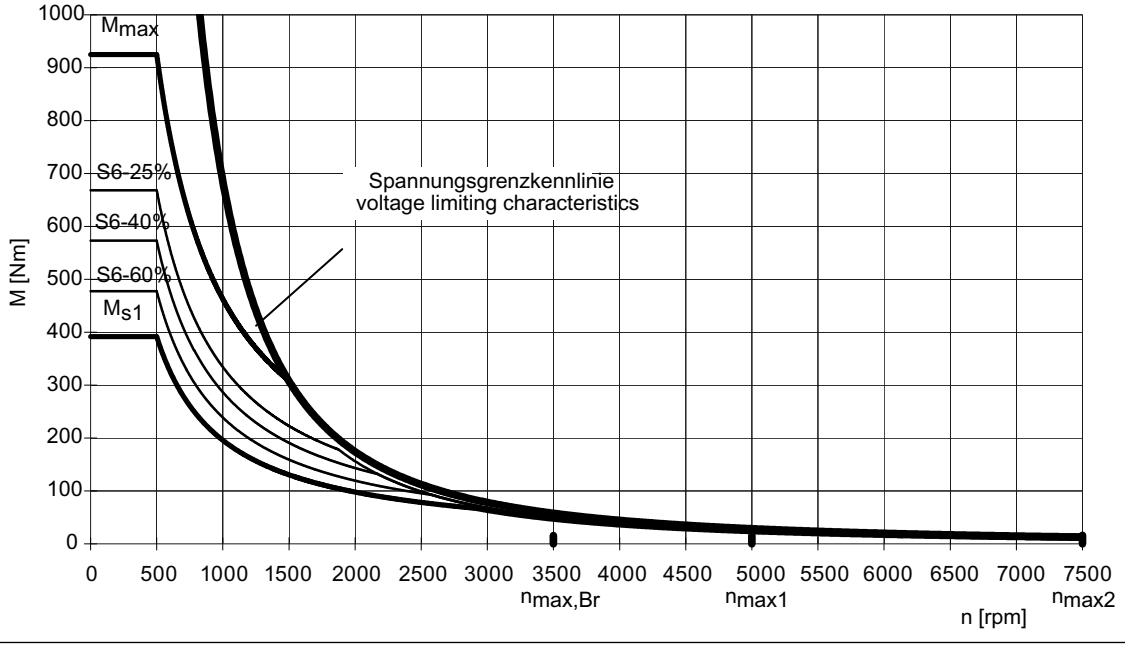
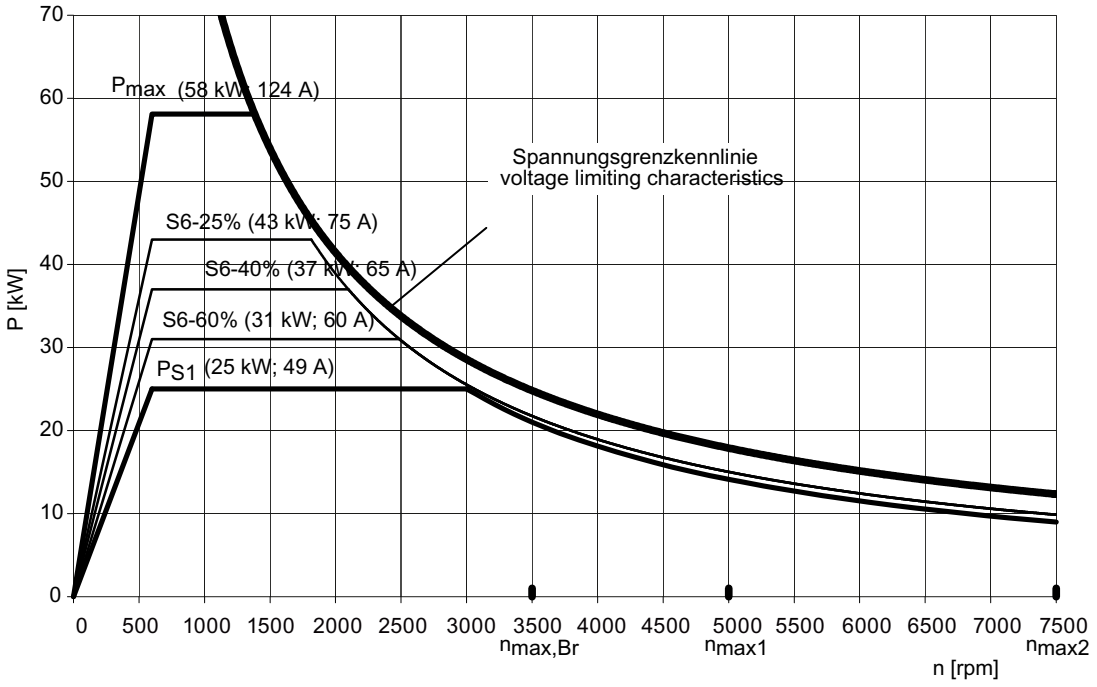


Table 2-26 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	25	398	49	5000	7500	-	3500	3000	925	124	398	49



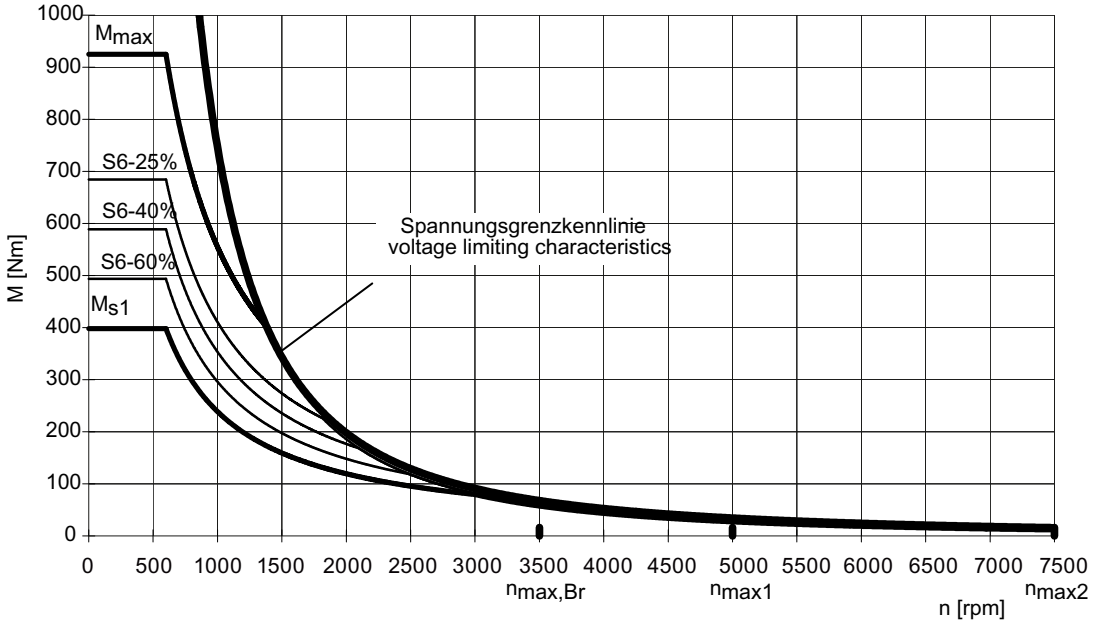
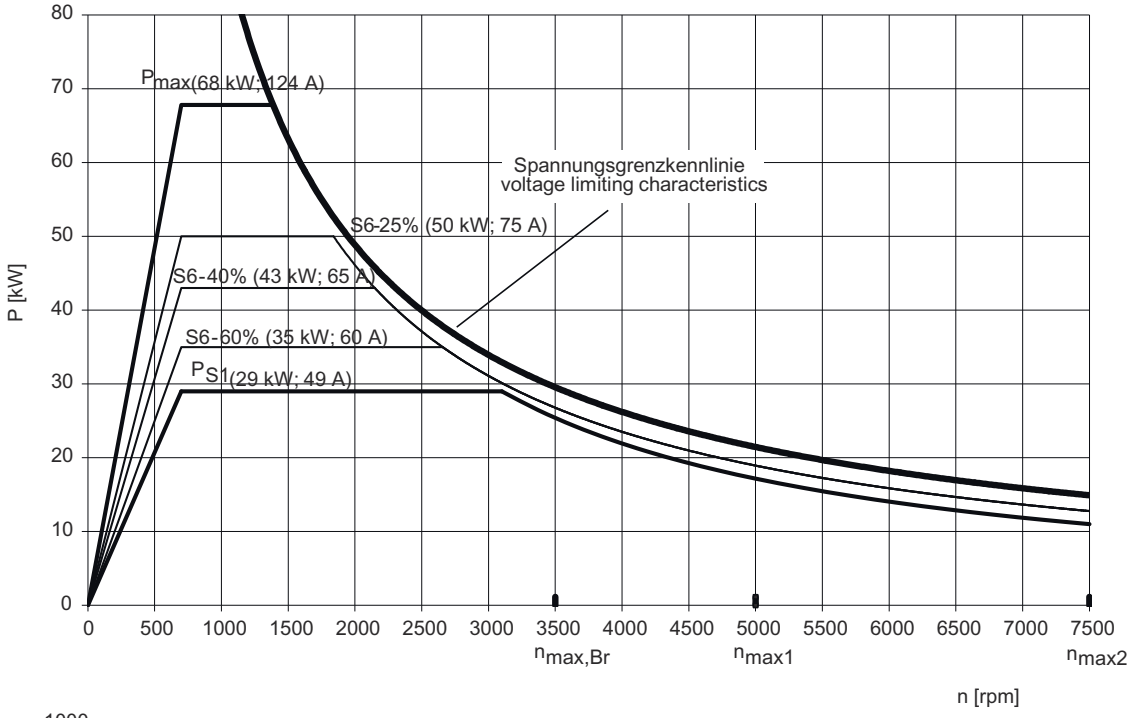


Table 2-27 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8184-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	29	396	49	5000	7500	-	3500	3100	925	124	389	49



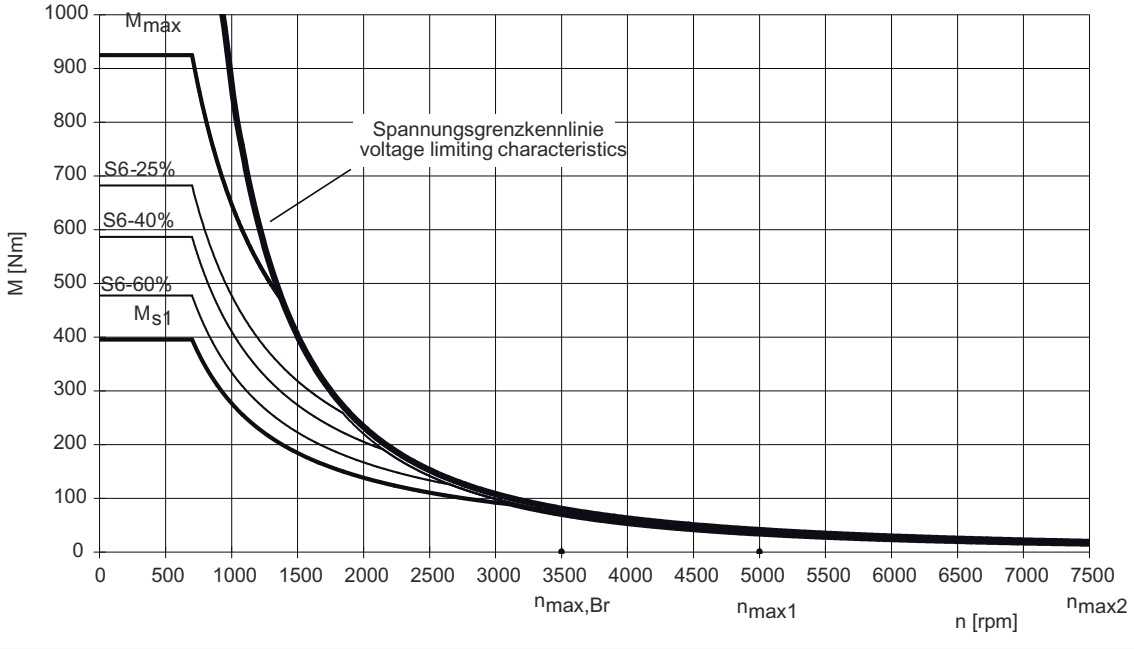


Table 2-28 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	27	368	65	5000	7500	-	3500	3300	925	164	368	65

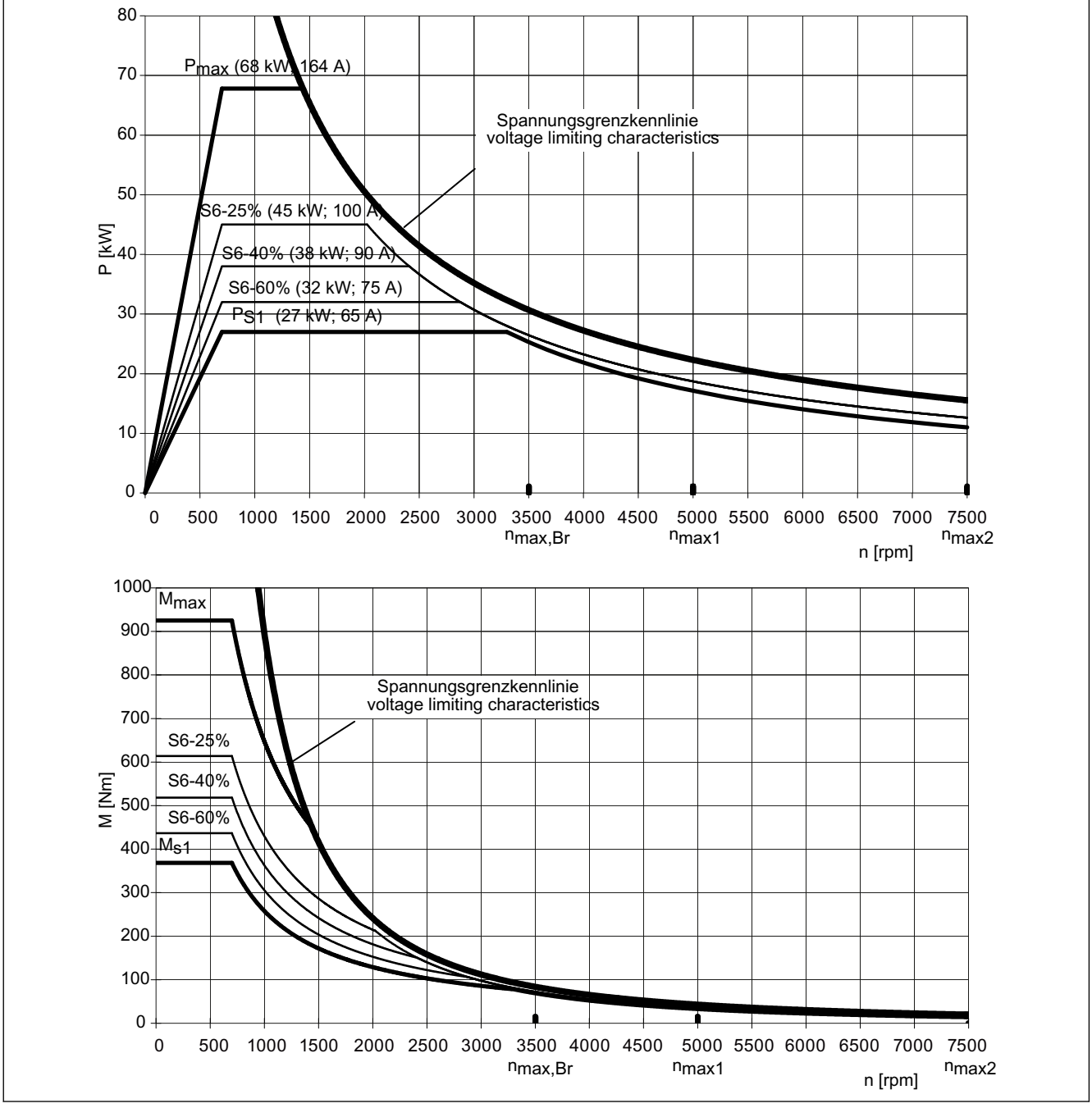
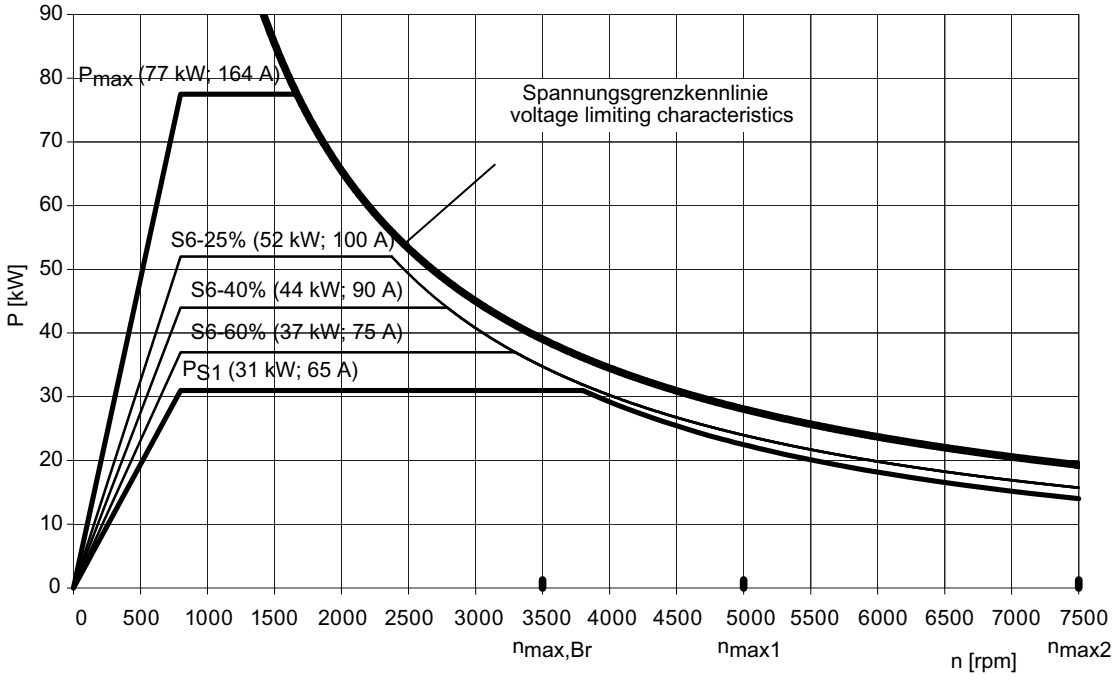


Table 2-29 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8184-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	31	370	65	5000	7500	-	3500	3800	925	164	370	65
700	27	368	65					4300				



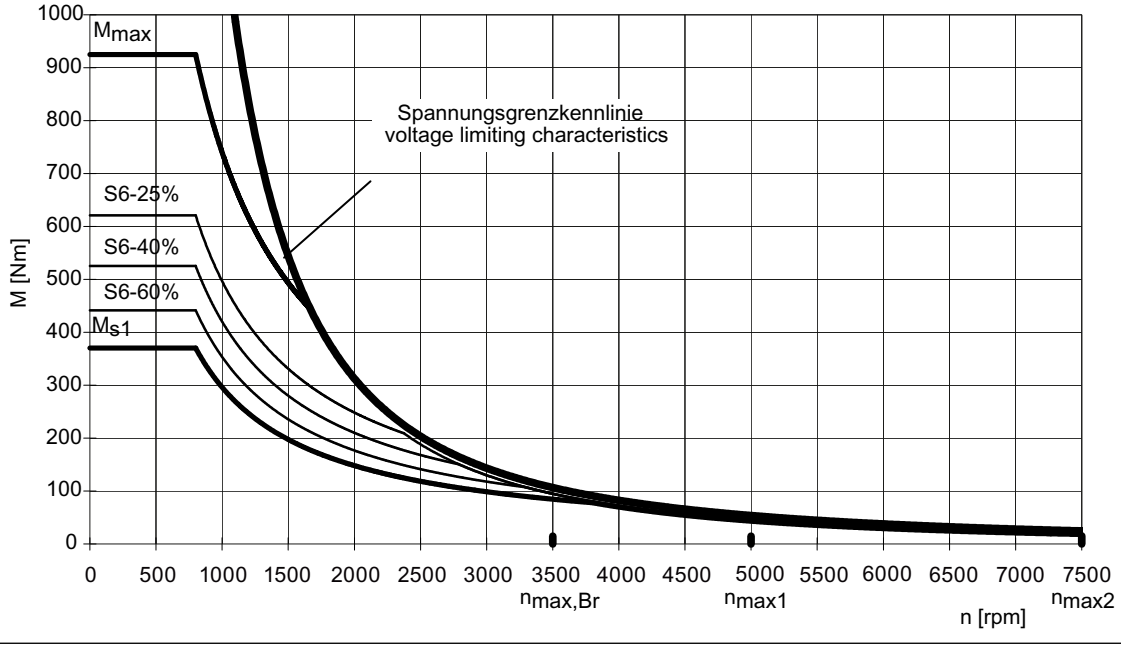
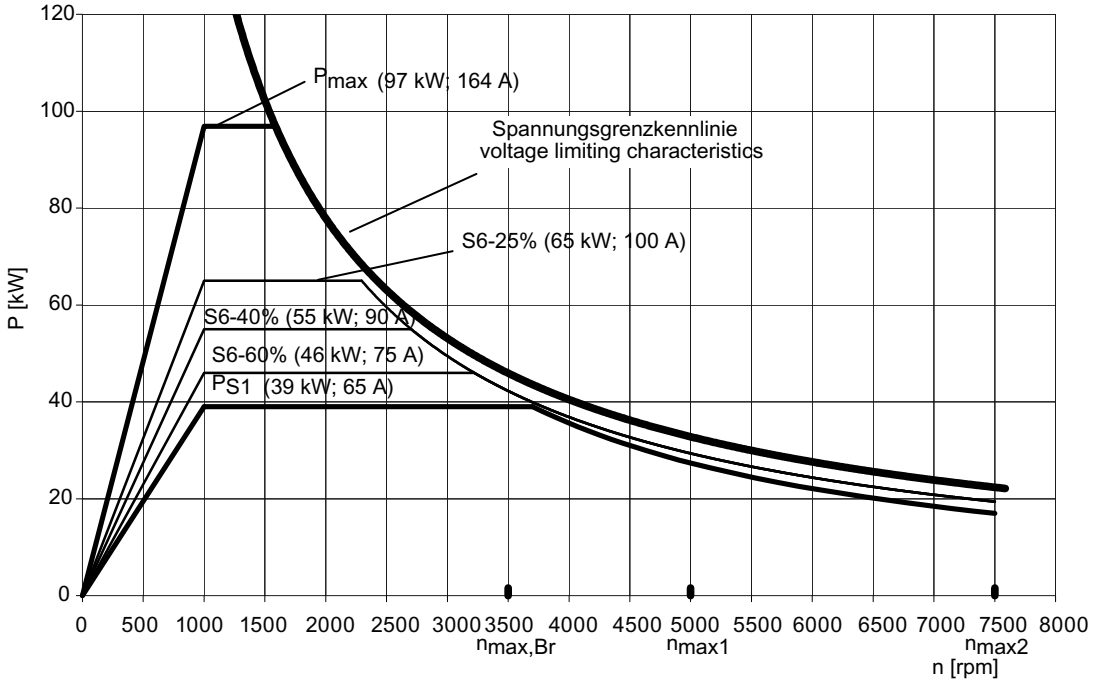


Table 2-30 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1000	39	372	65	5000	7500	-	3500	3700	925	164	372	65



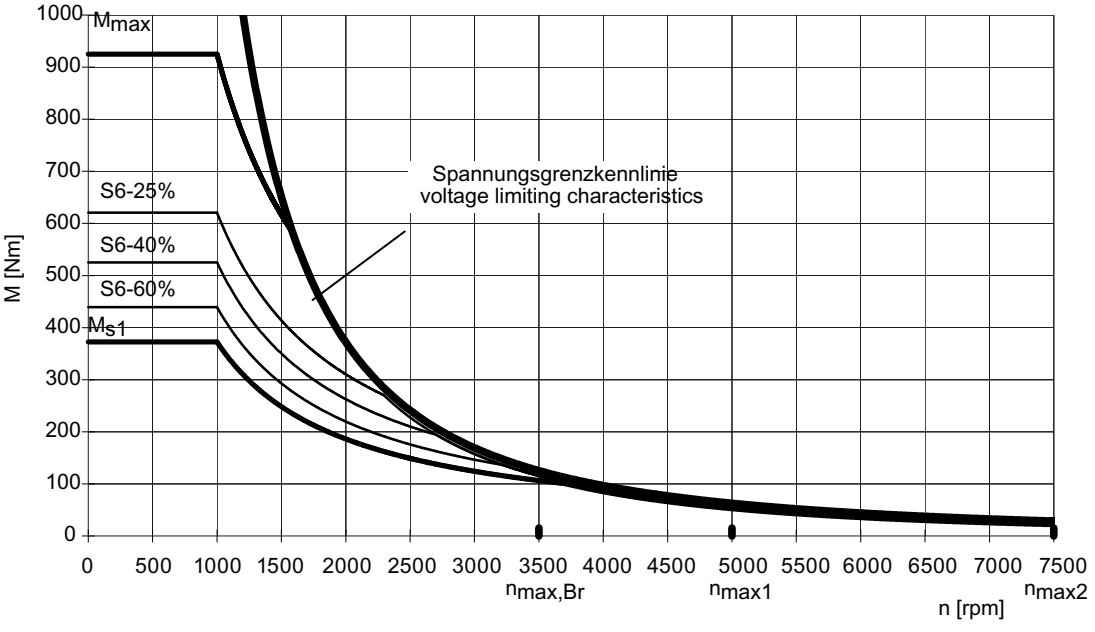


Table 2-31 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8184-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1100	42	365	64	5000	7500	-	3500	3800	925	164	368	64

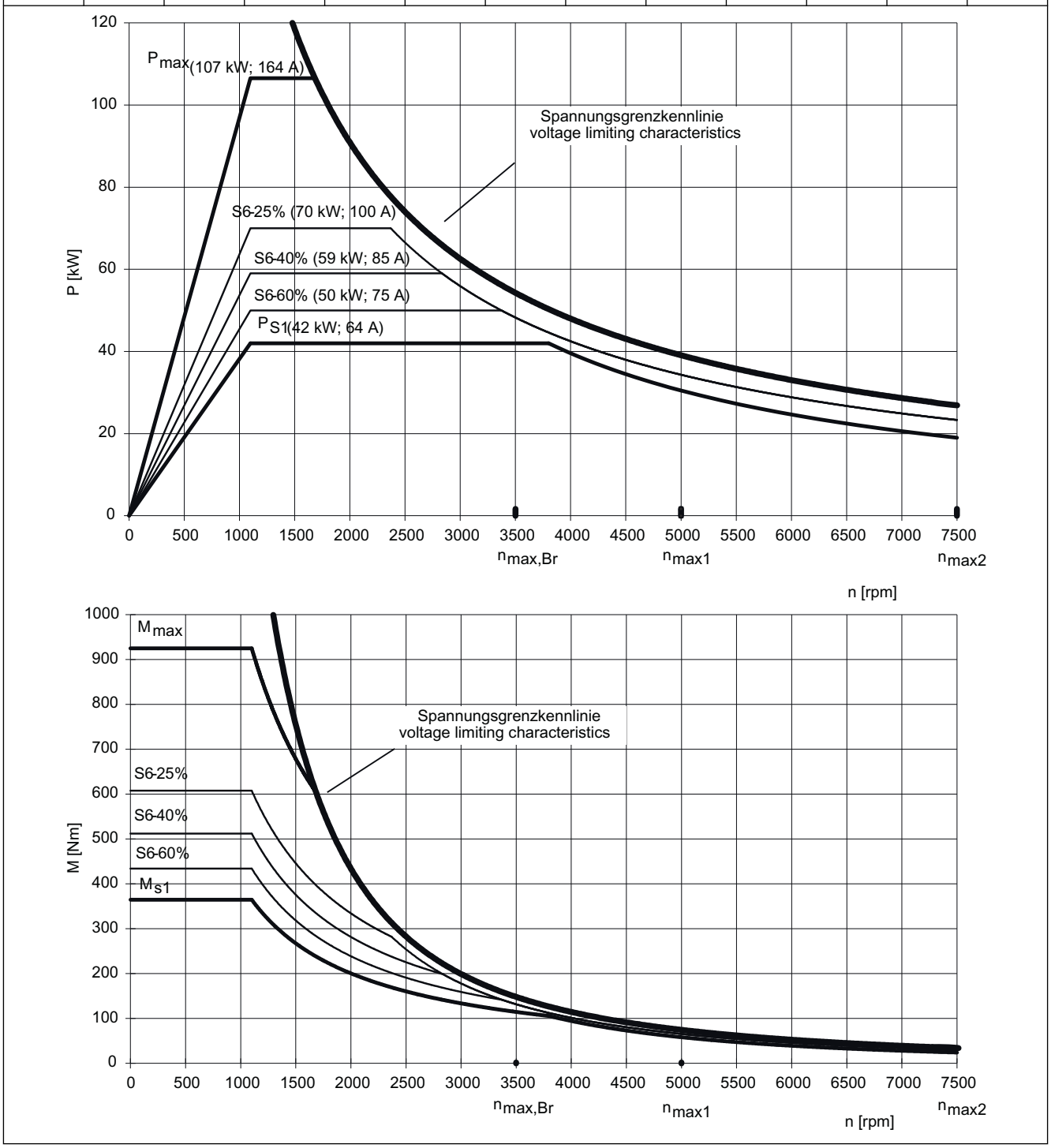
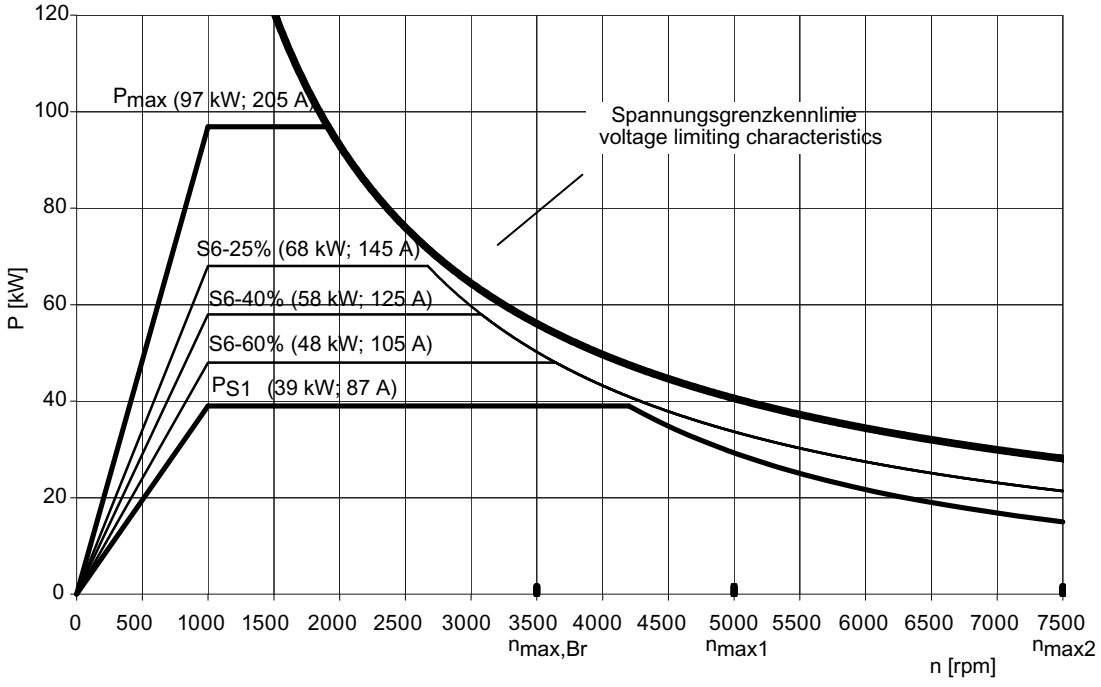


Table 2-32 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1000	39	372	87	5000	7500	-	3500	4200	925	205	372	87



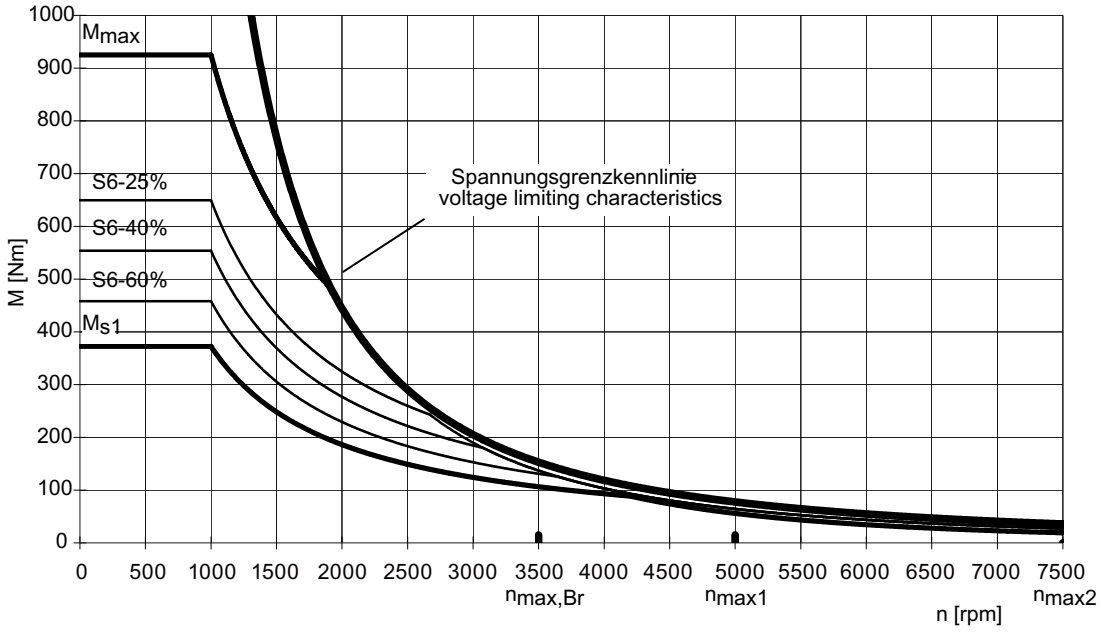
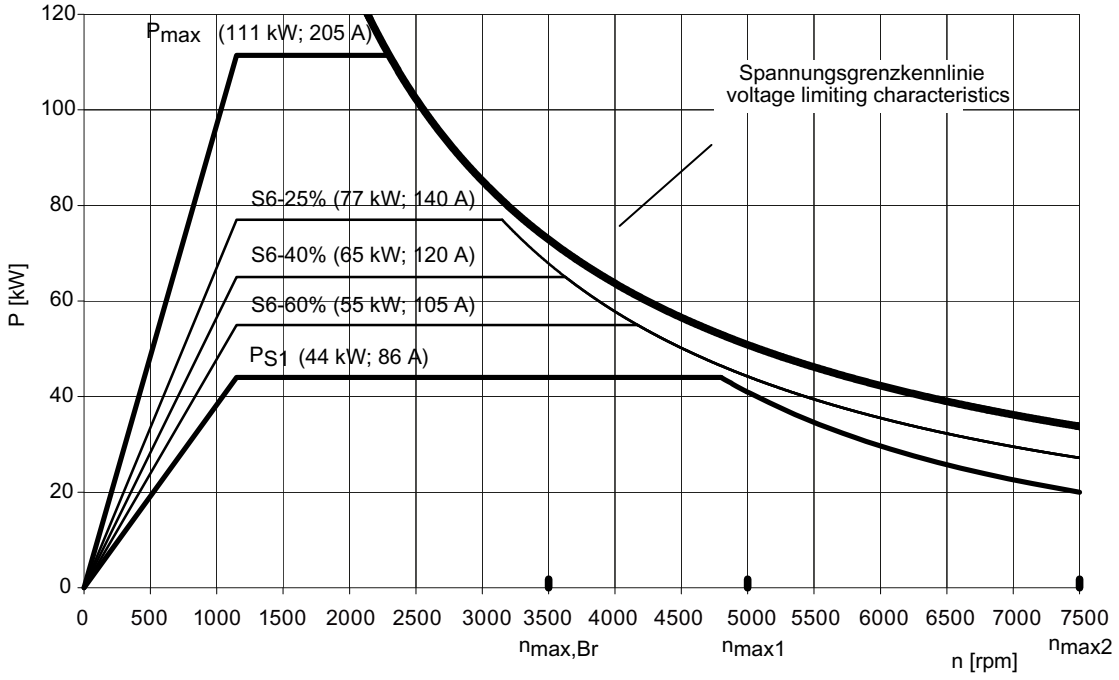


Table 2-33 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8184-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1150	44	365	86	5000	7500	-	3500	4800	925	205	365	86
1000	39	372	87					5100				



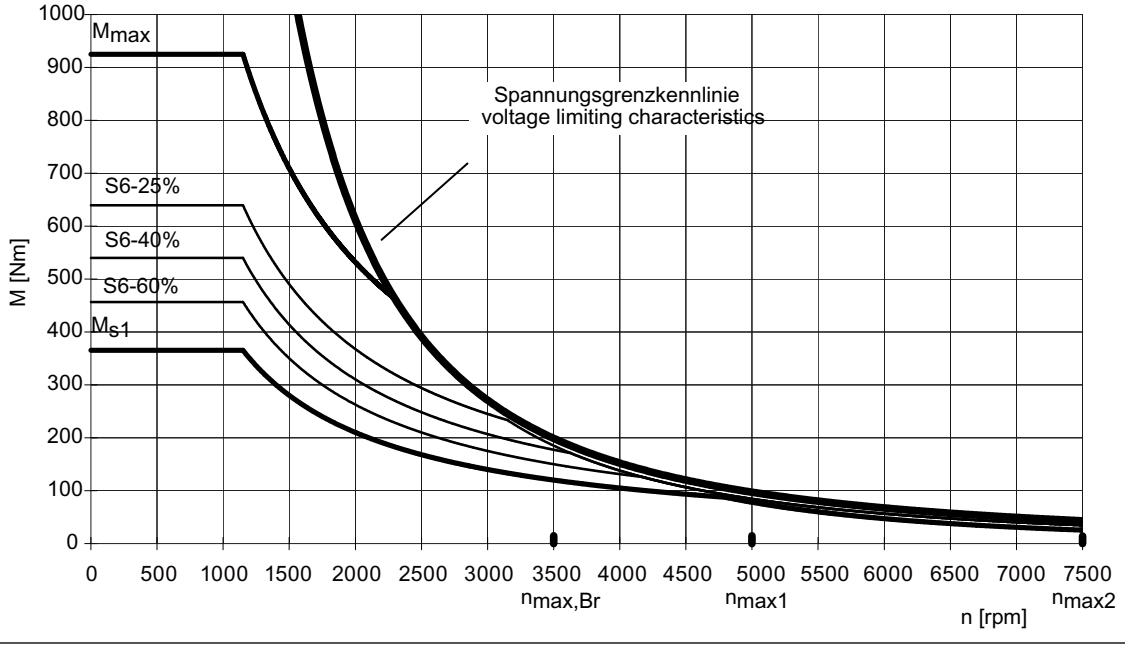
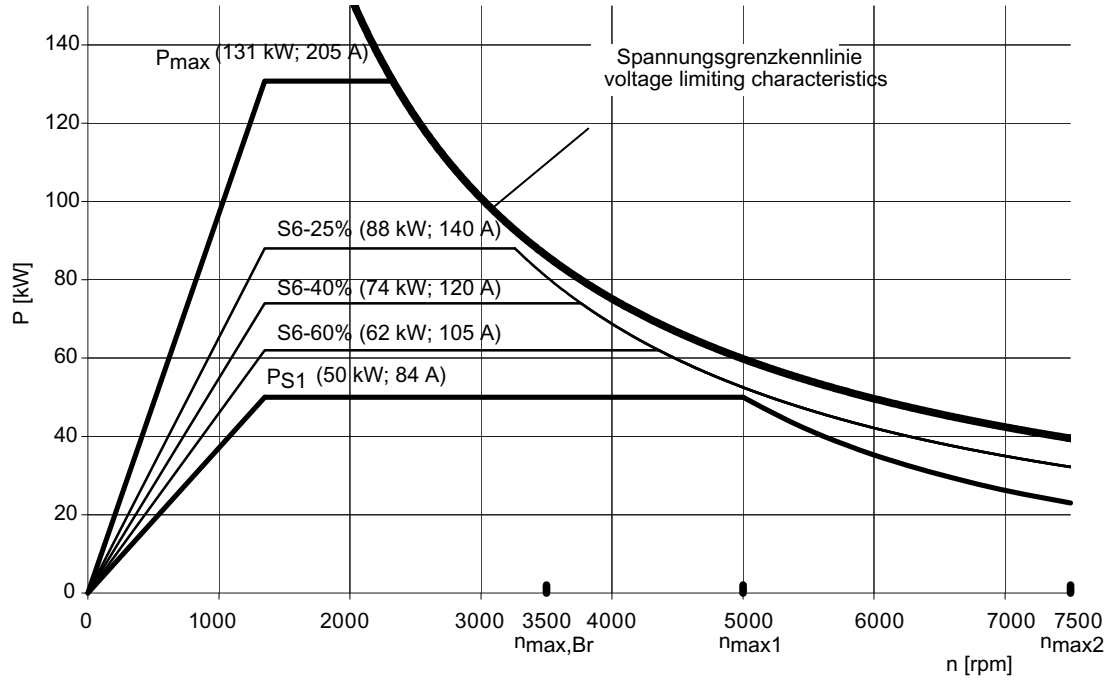


Table 2-34 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1350	50	354	84	5000	7500	-	3500	5000	925	205	354	84



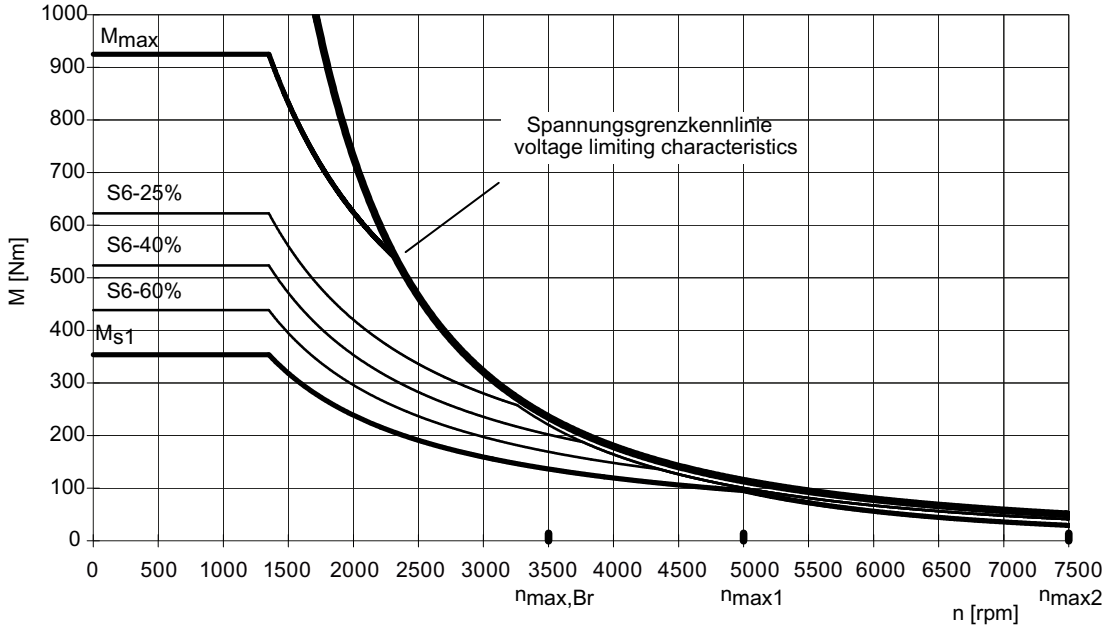


Table 2-35 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8184-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1500	53	337	80	5000	7500	-	3500	5000	925	205	372	80

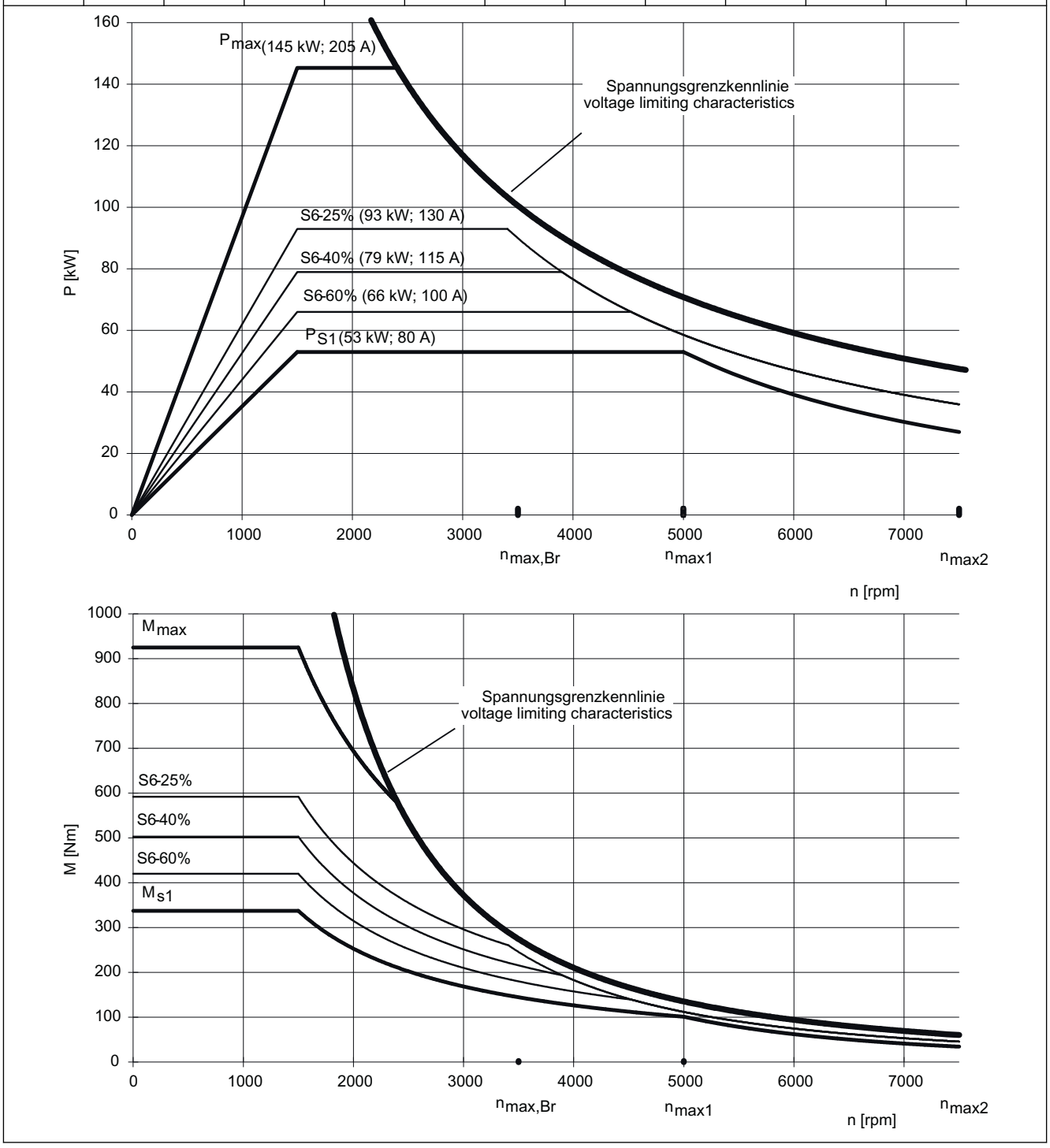
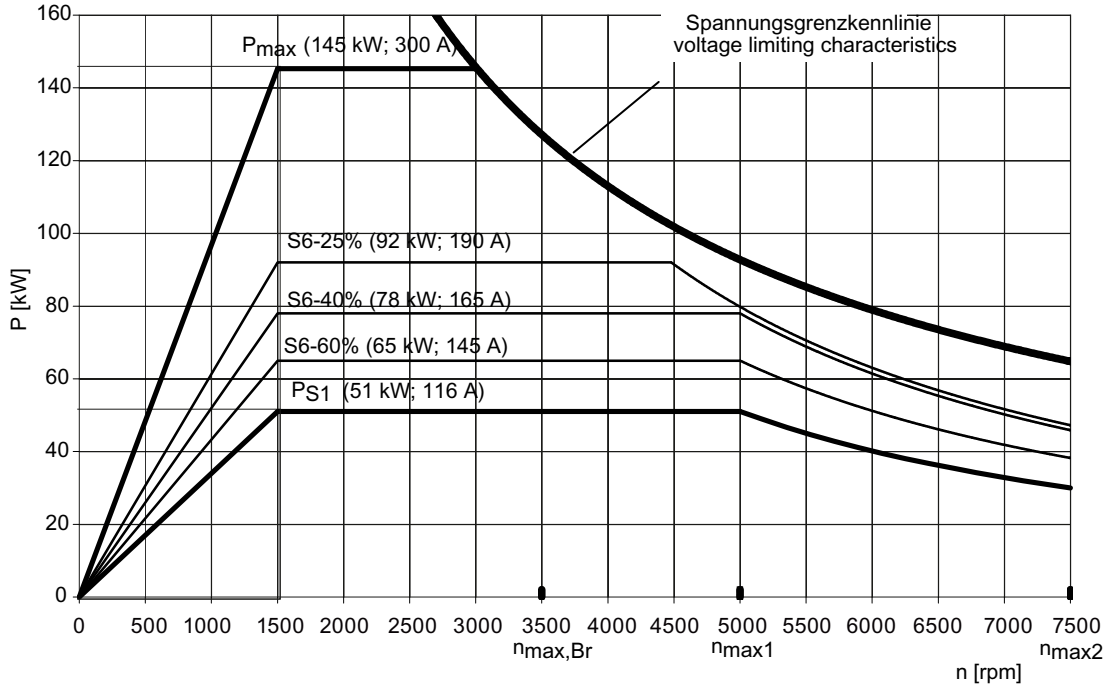


Table 2-36 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1500	51	325	116	5000	7500	-	3500	5000	925	300	325	116



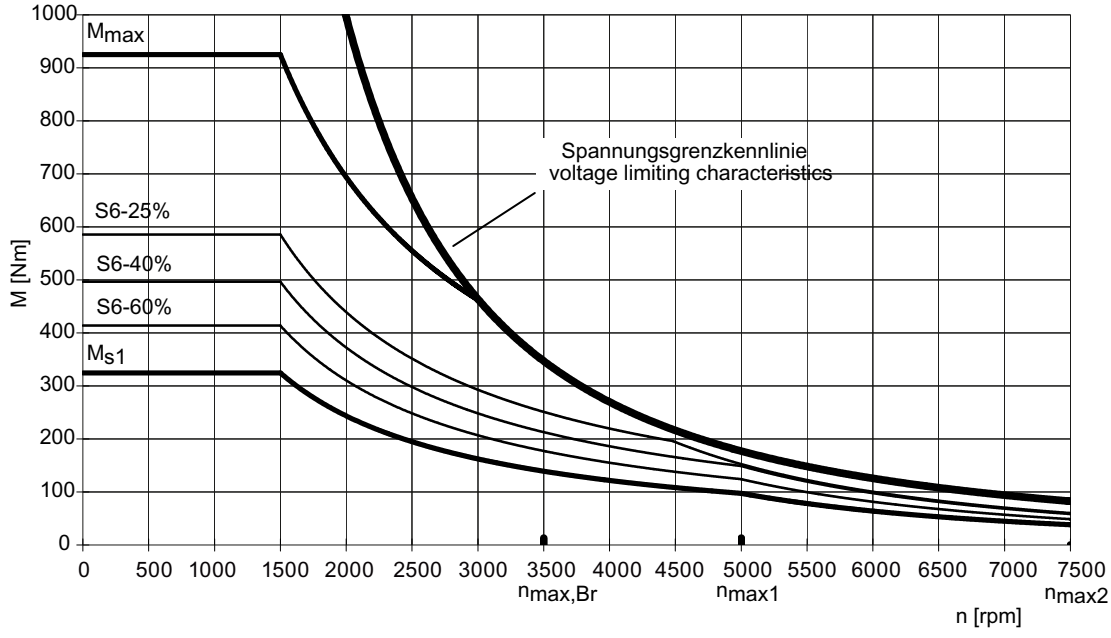
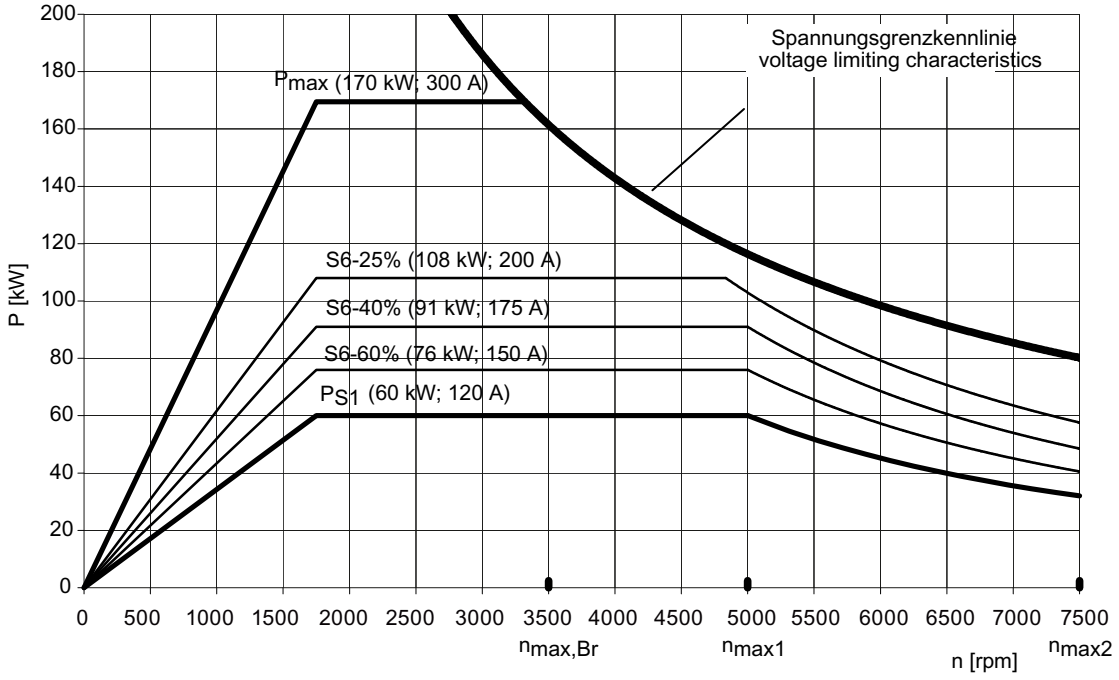


Table 2-37 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8184-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1750	60	327	120	5000	7500	-	3500	5000	925	300	327	120
1500	51	325	116					5600				



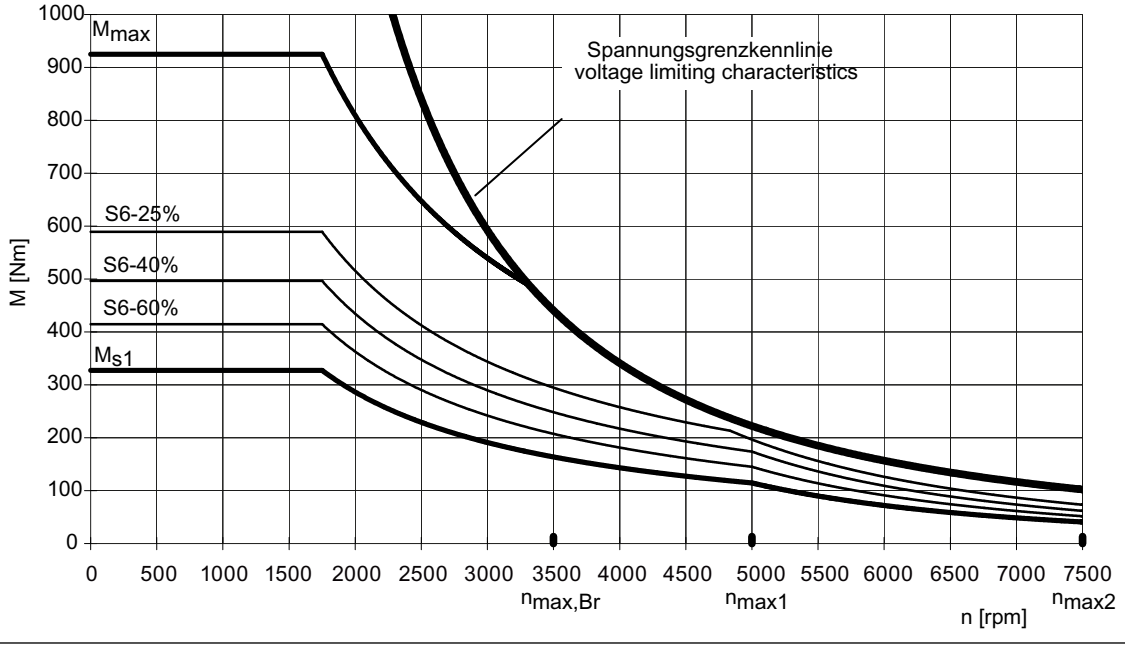
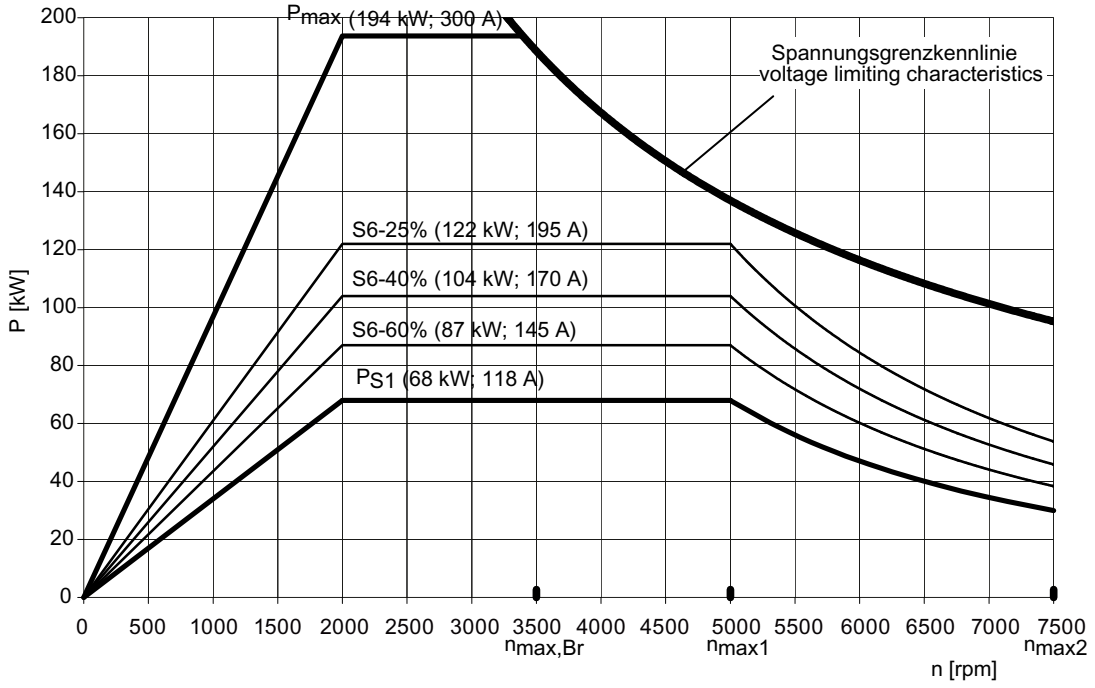


Table 2-38 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2000	68	325	118	5000	7500	-	3500	5000	925	300	325	118



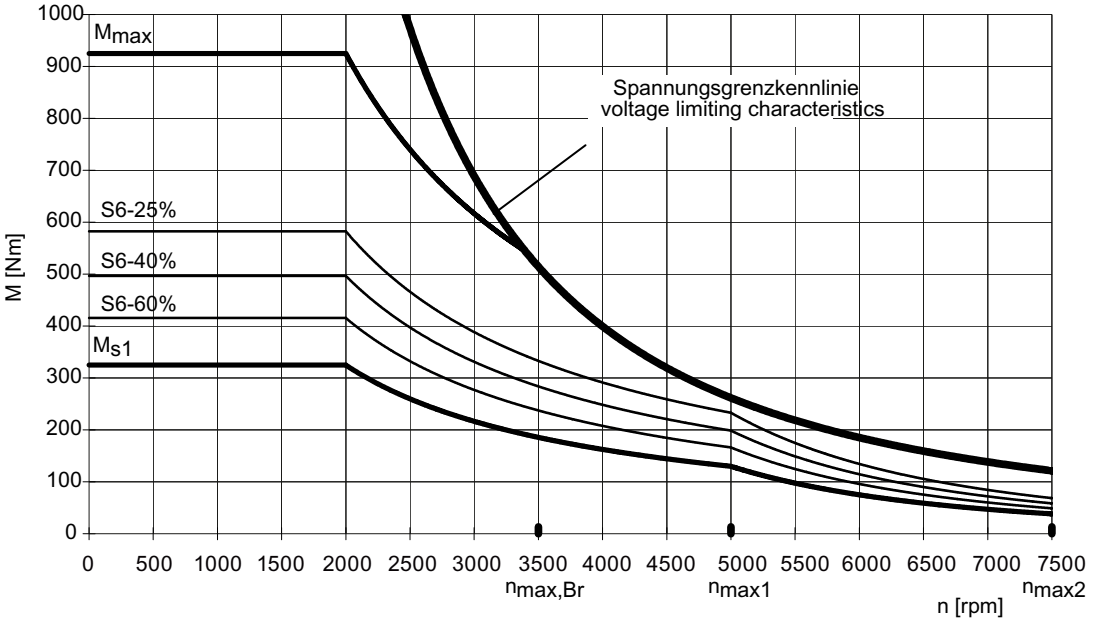


Table 2-39 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8184-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2200	68	295	110	5000	7500	-	3500	5000	925	300	325	110

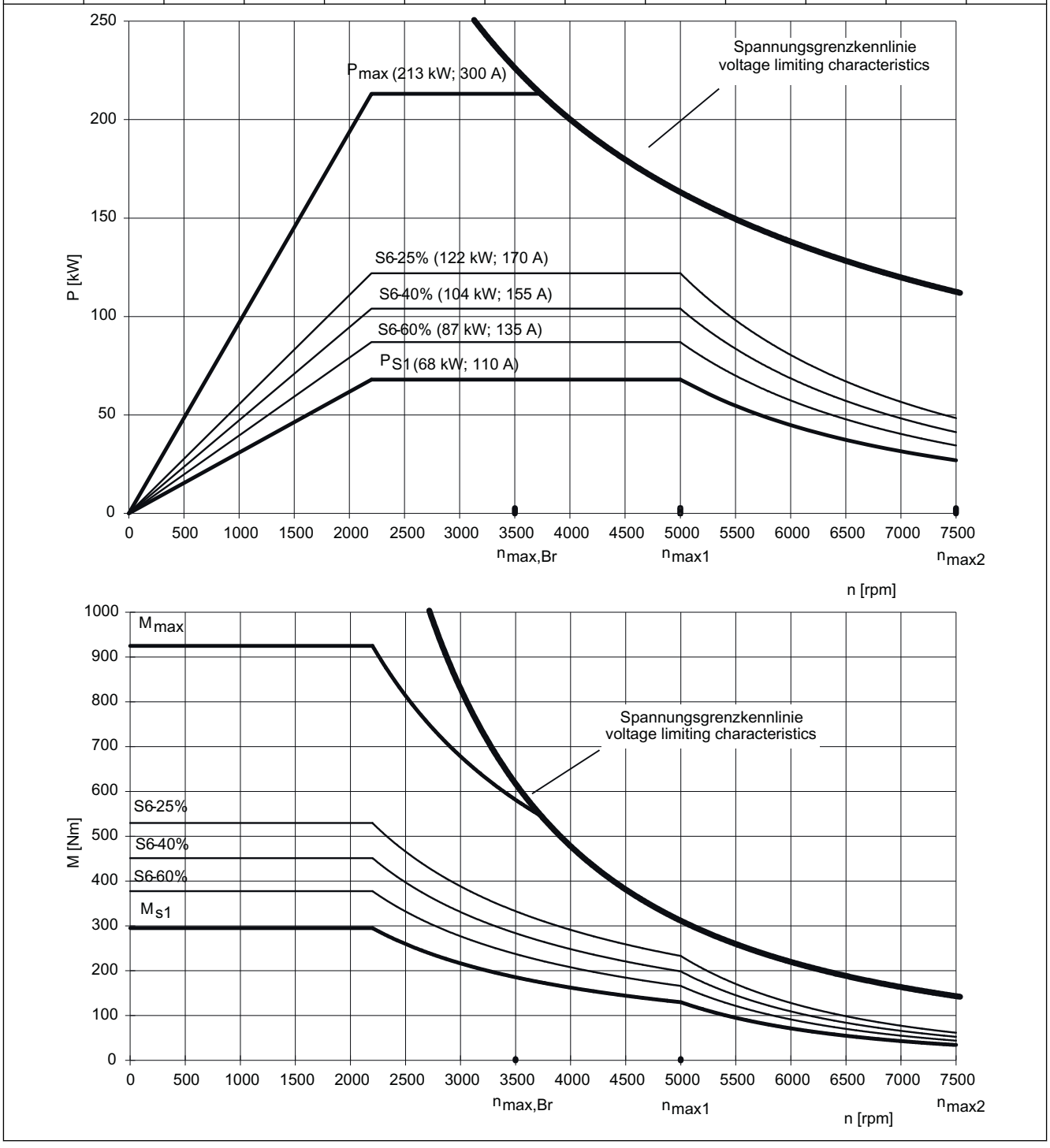


Table 2-40 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□L□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2500	78	298	166	5000	7500	-	3500	5000	730	380	298	166

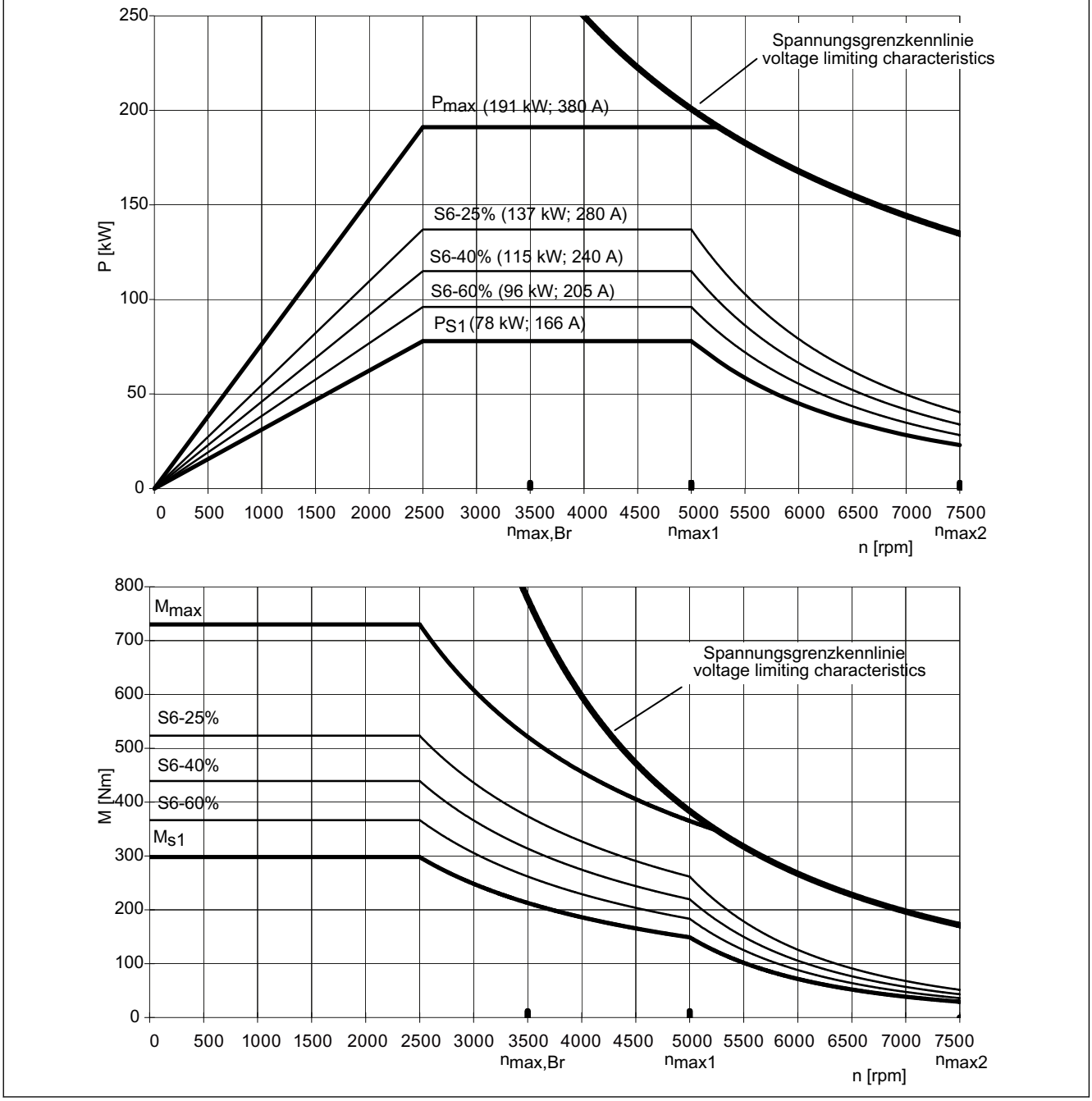
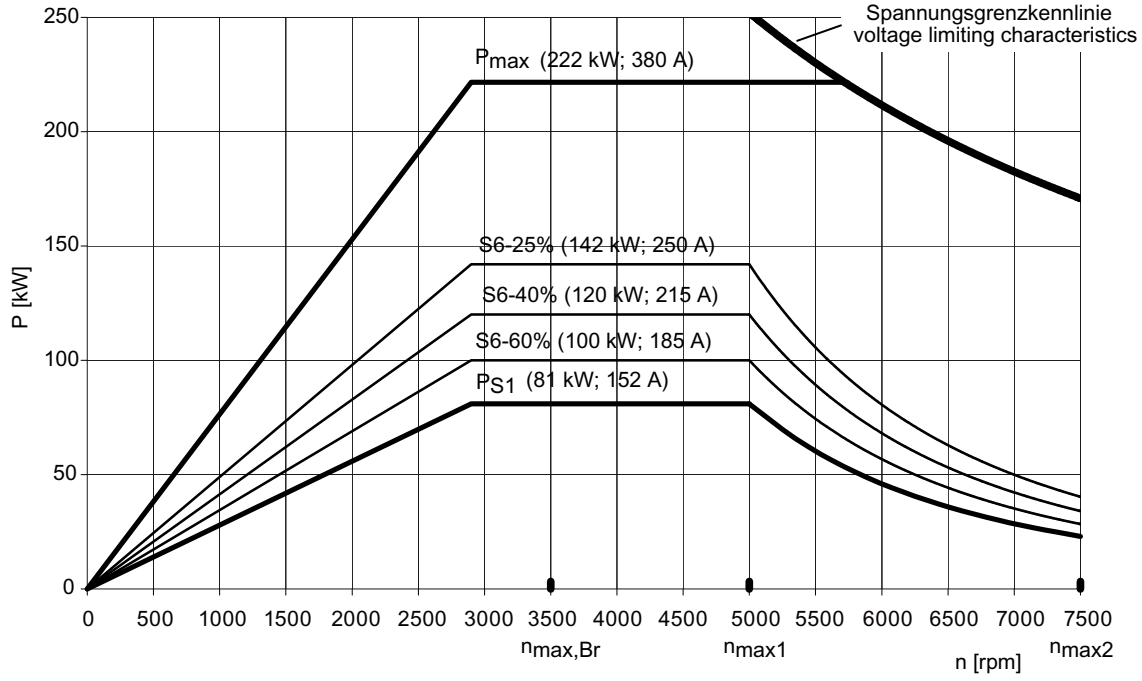


Table 2-41 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8184-□□L□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2900	81	267	152	5000	7500	-	3500	5000	730	380	267	152
2500	78	298	166					5100				



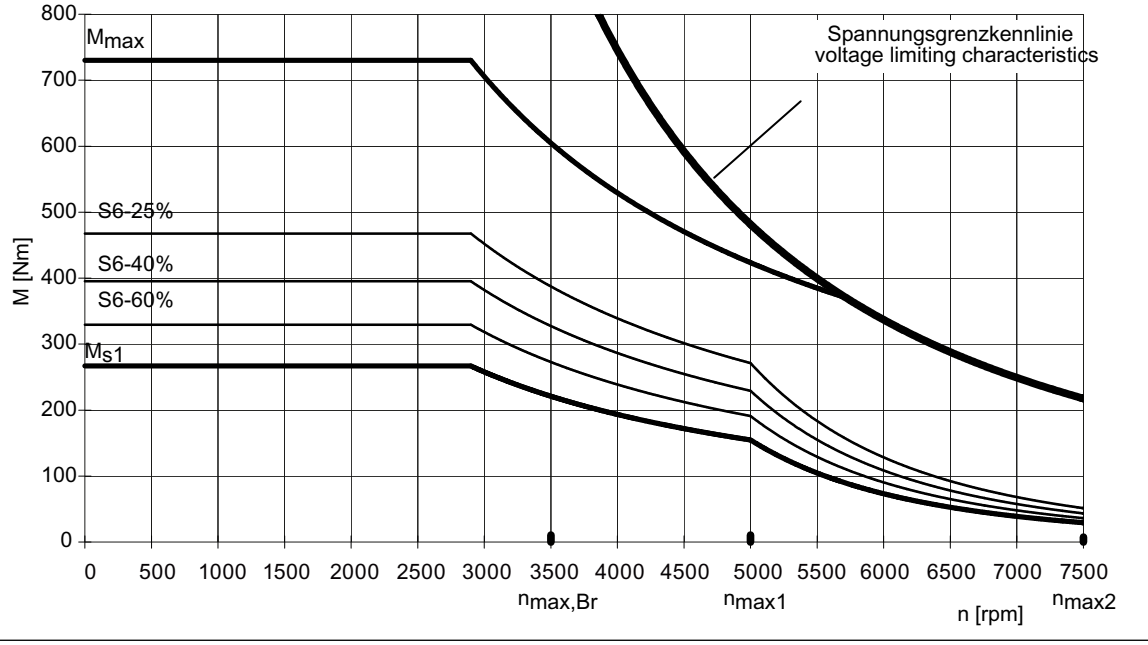
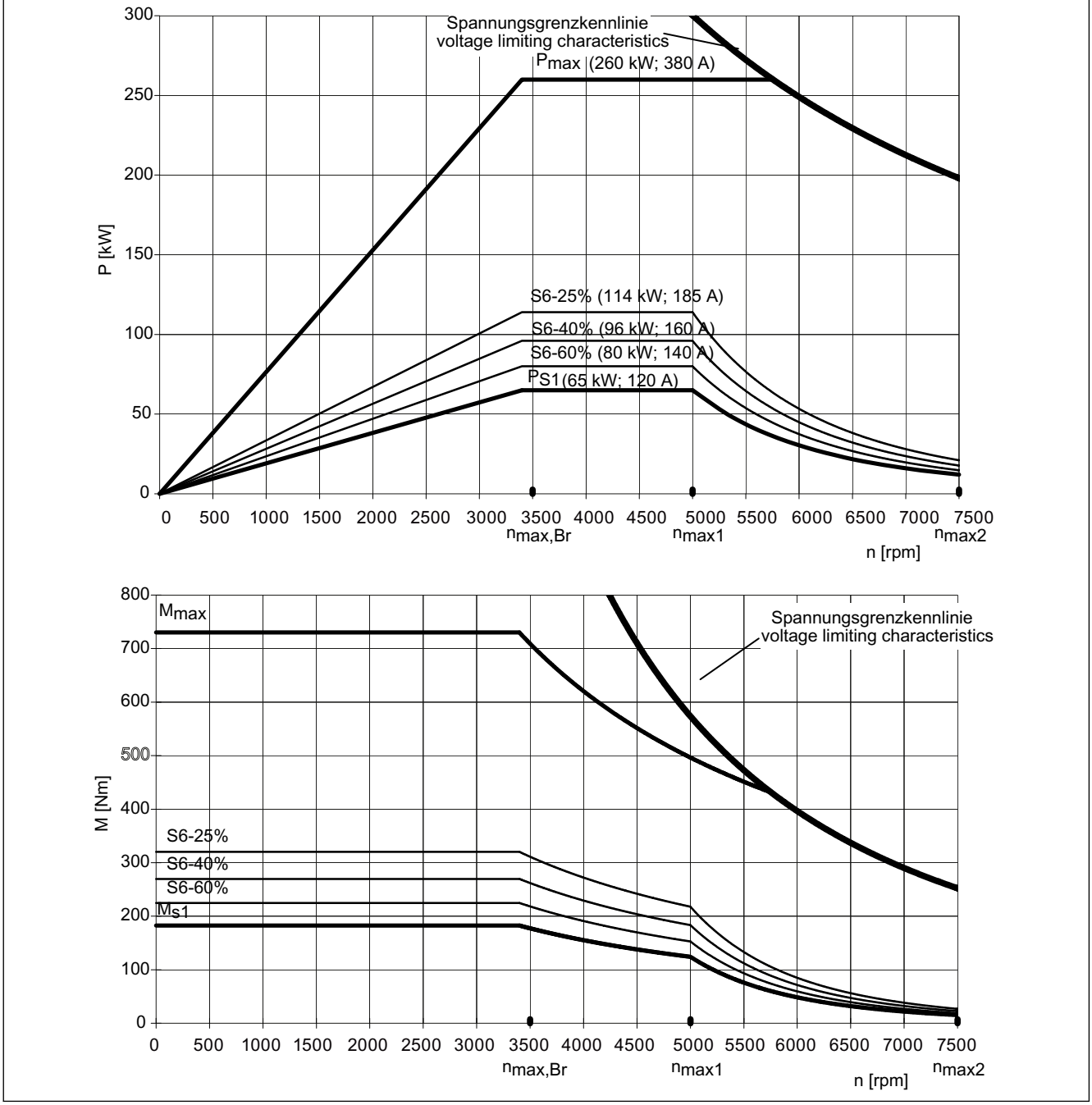


Table 2-42 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8184-□□L□□, (IP55)

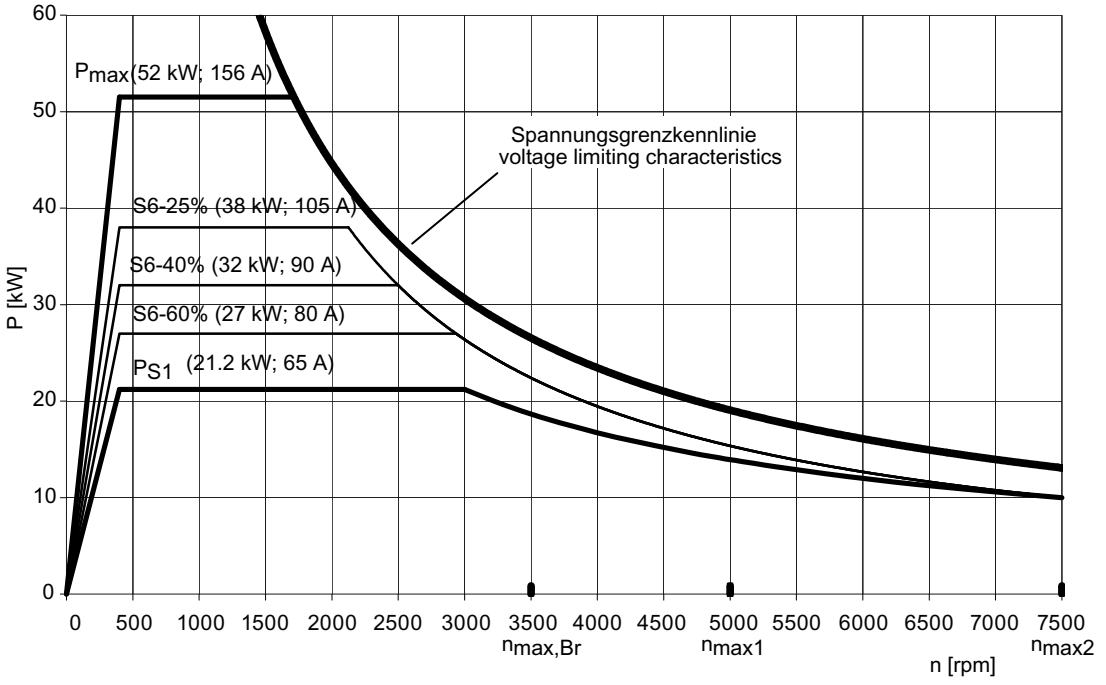
n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
3400	65	183	120	5000	7500	-	3500	5000	730	380	183	120



Note: In this electrical version (L winding), supplementary losses that are disproportionately high relative to the speed occur at high connection voltages (480 V 3AC), depending on the modulation depth of the converter. To comply with the permissible motor temperature, a power reduction must be considered in the configuration.

Table 2-43 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	21.2	506	65	5,000	7,500	-	3,500	3,000	1,230	156	506	65



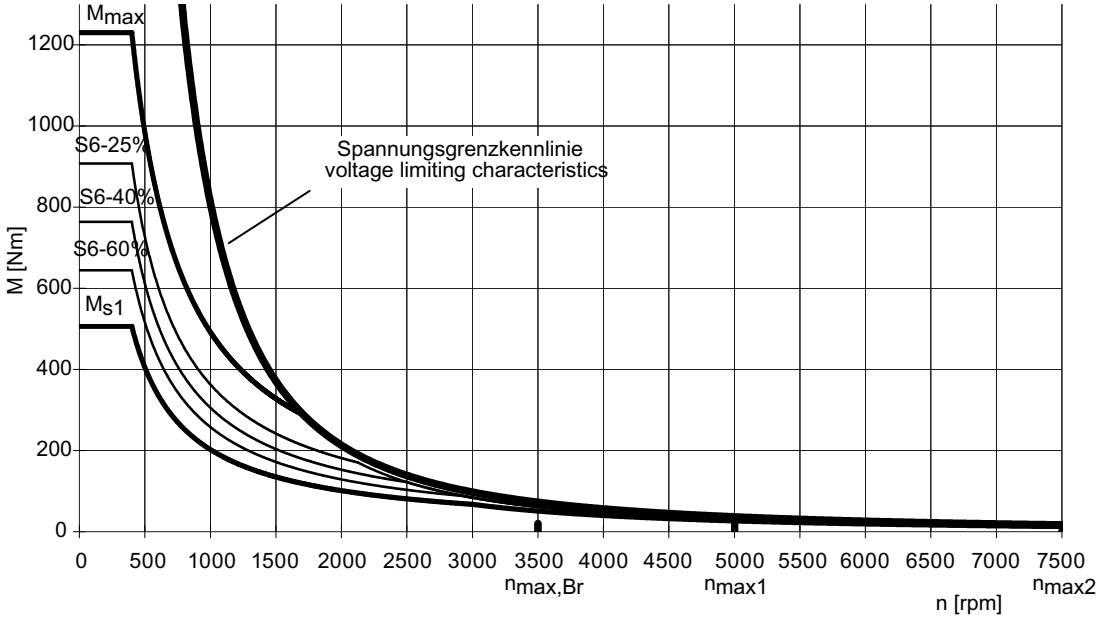
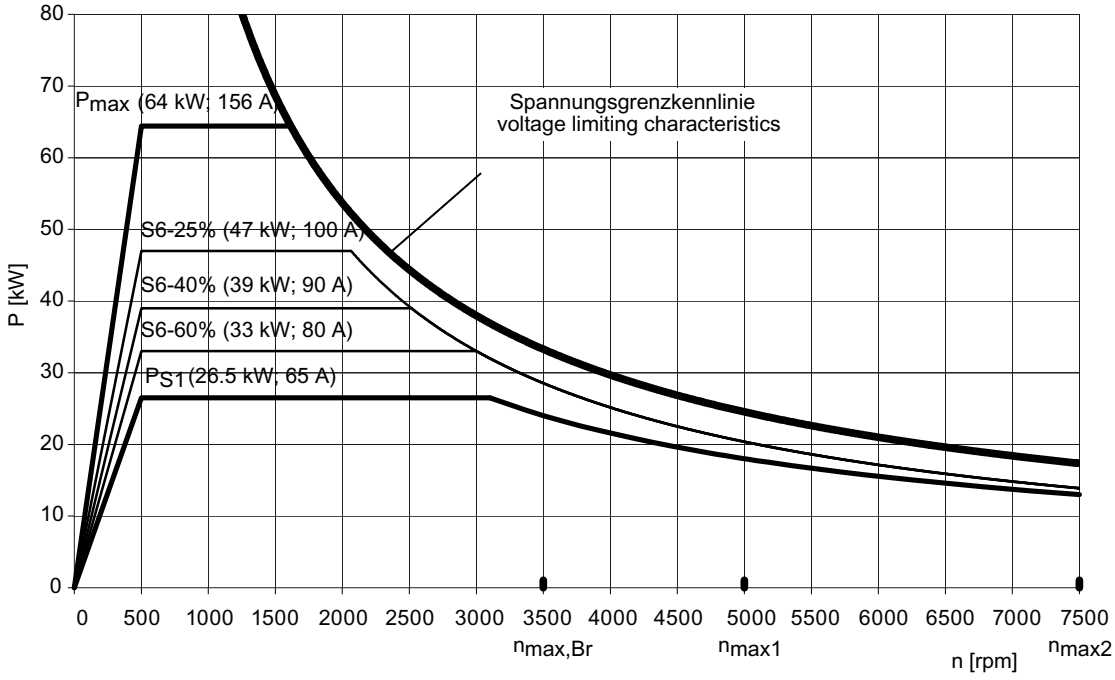


Table 2-44 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8186-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	26.5	506	65	5,000	7,500	-	3,500	3,100	1,230	156	506	65
400	21.2	506	65					4,100				



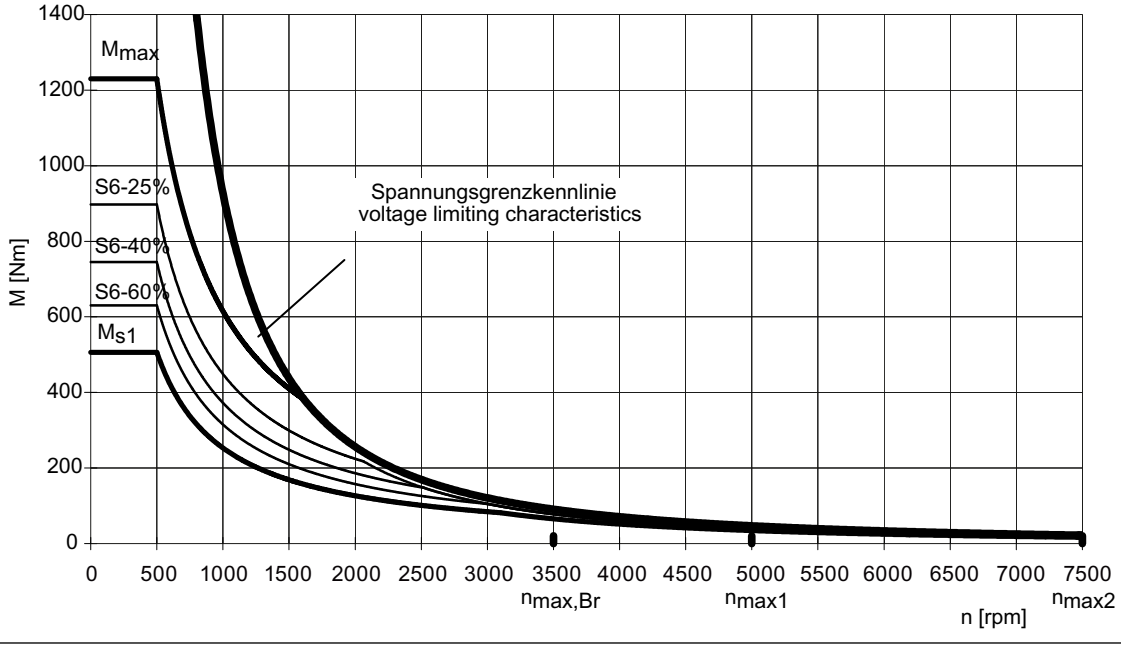
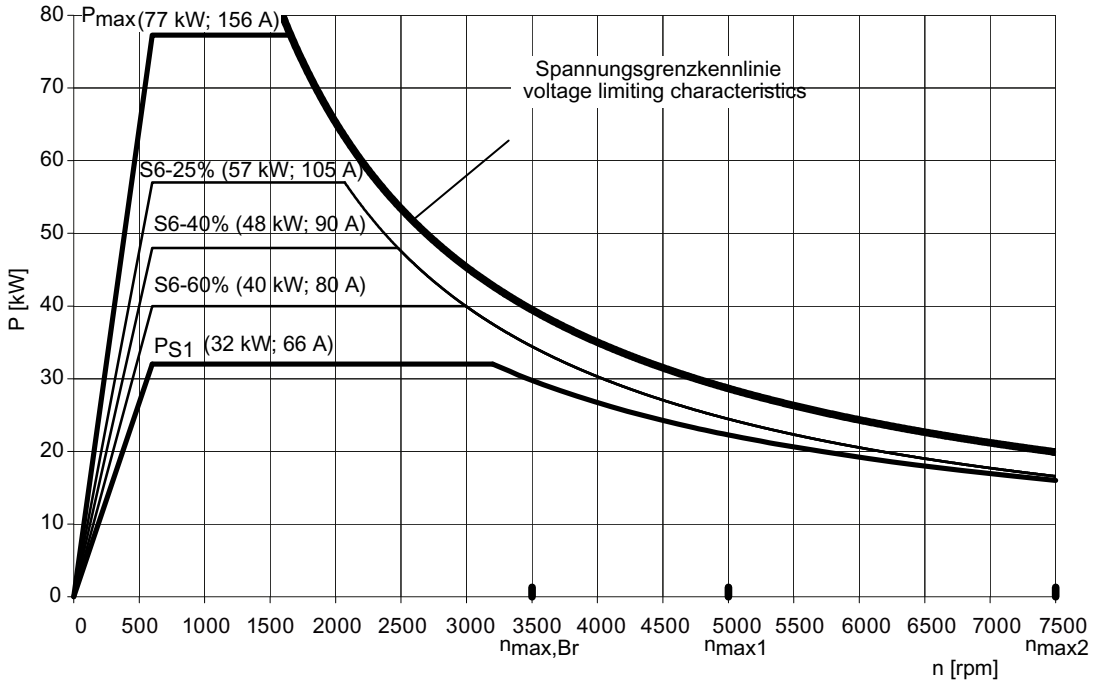


Table 2-45 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	32	509	66	5,000	7,500	-	3,500	3,200	1,230	156	509	66



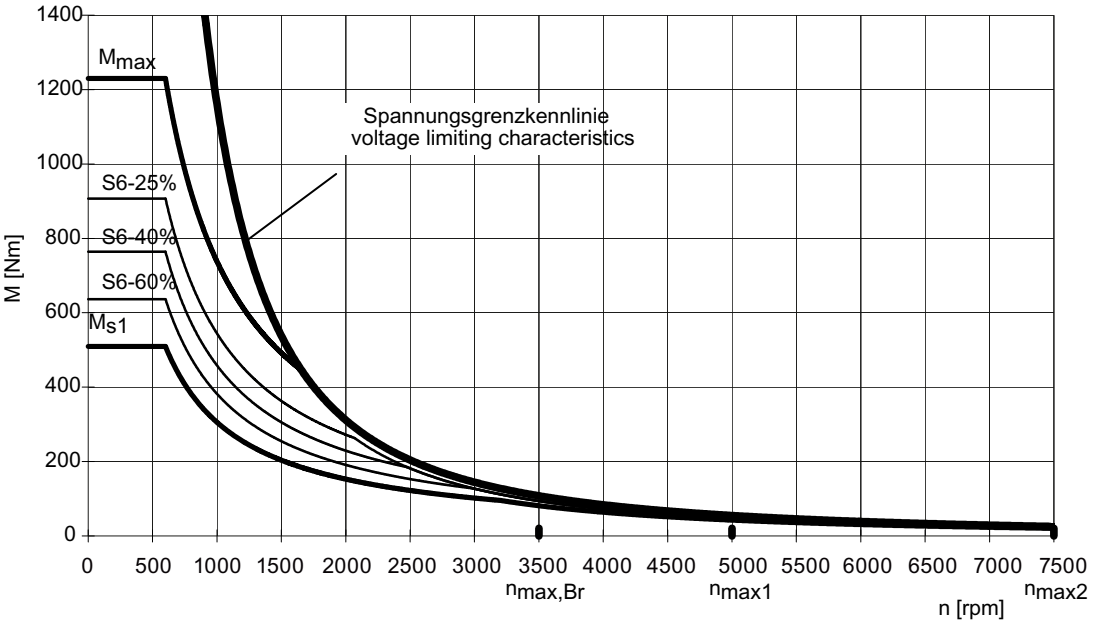


Table 2-46 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8186-□□B□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	37	505	65	5,000	7,500	-	3,500	3,400	1,230	156	506	65

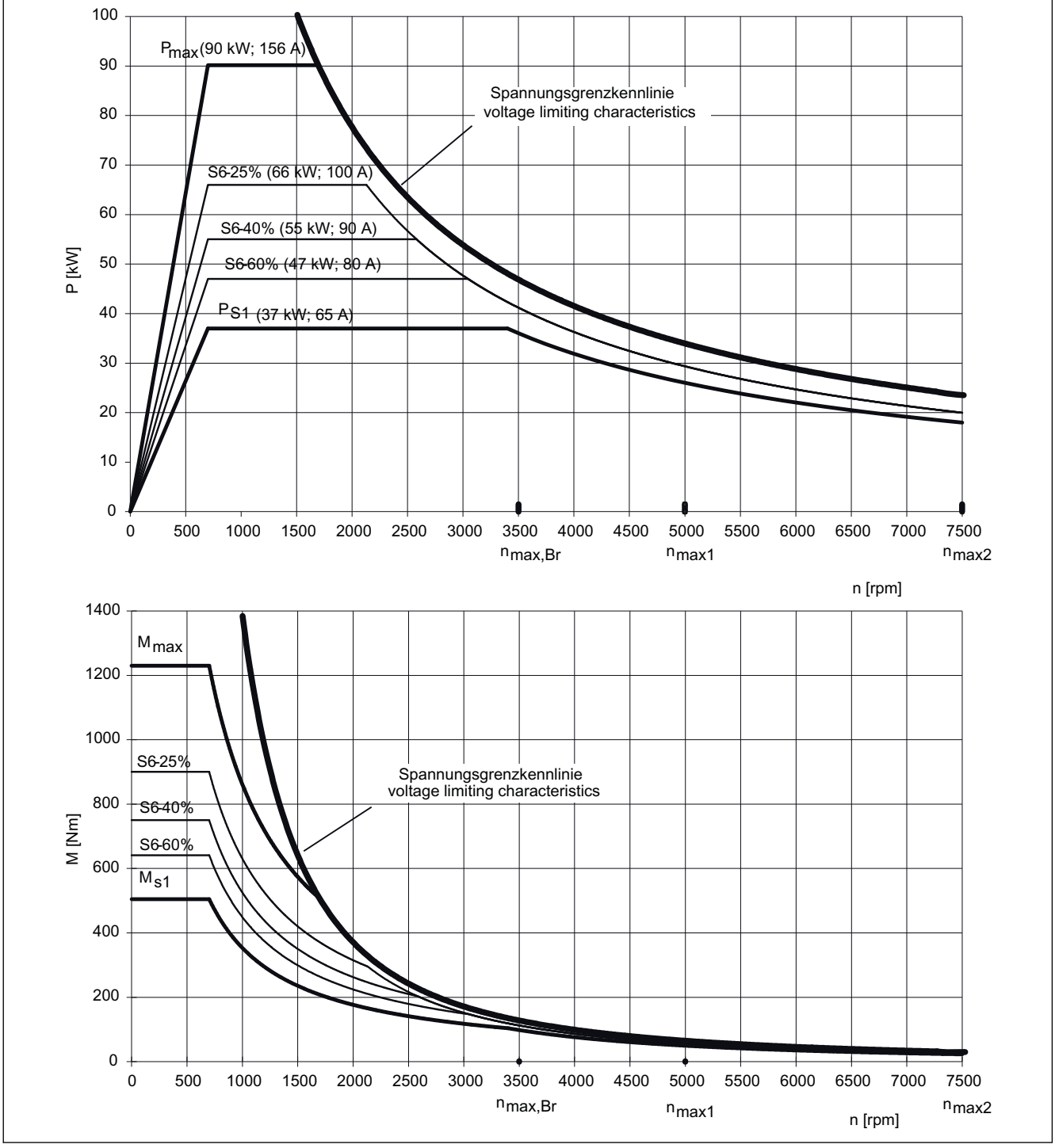
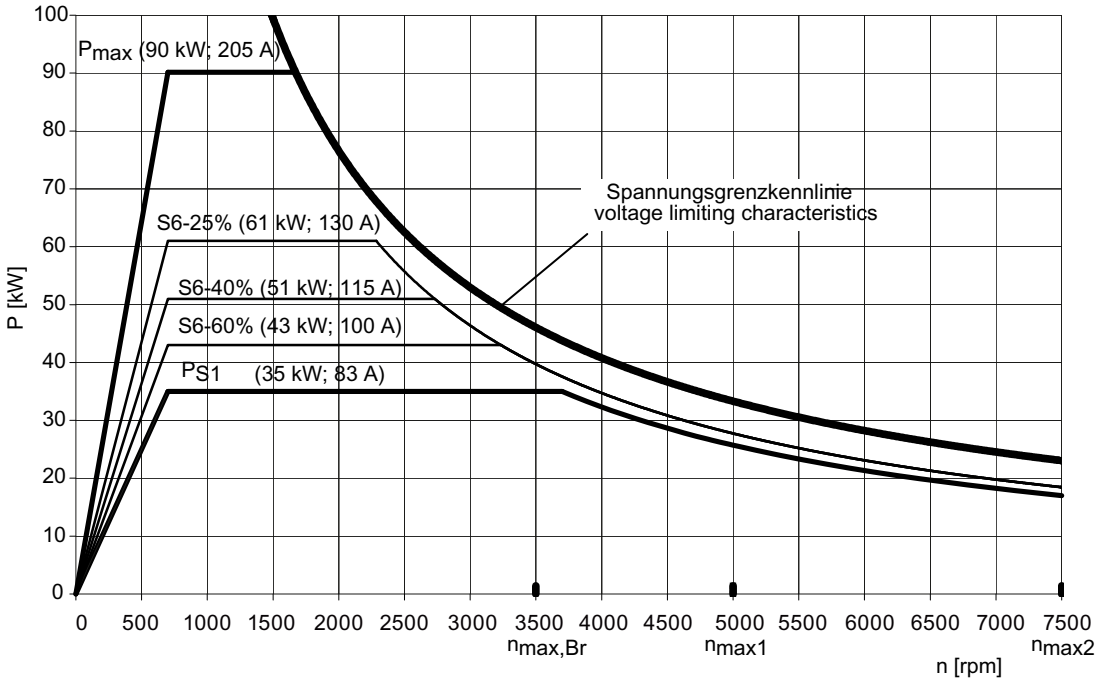


Table 2-47 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	35	478	83	5,000	7,500	-	3,500	3,700	1,230	205	478	83



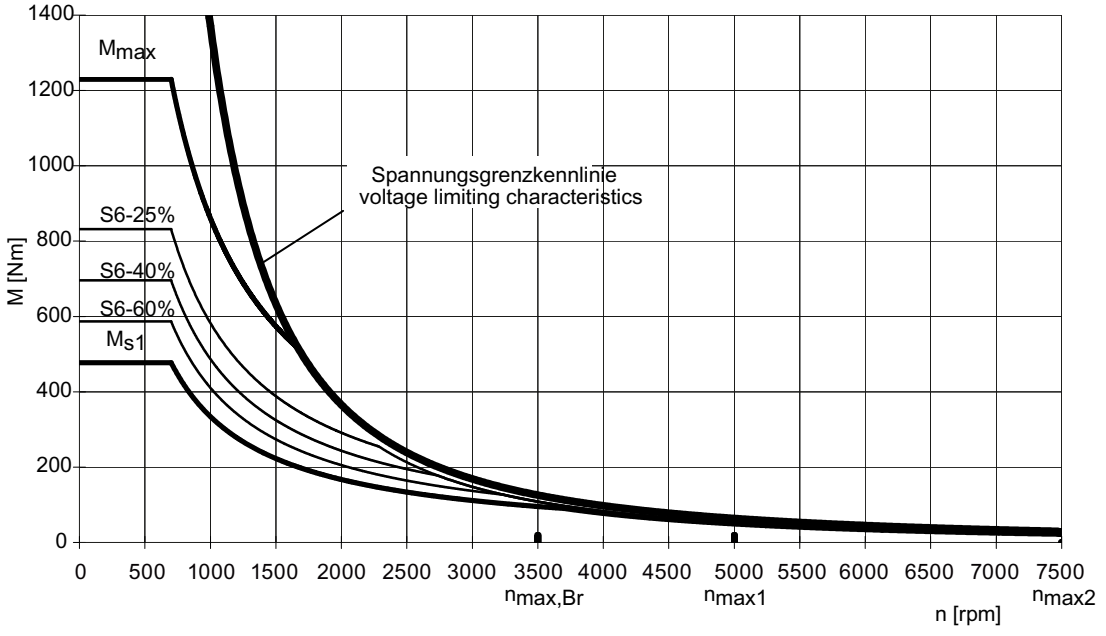
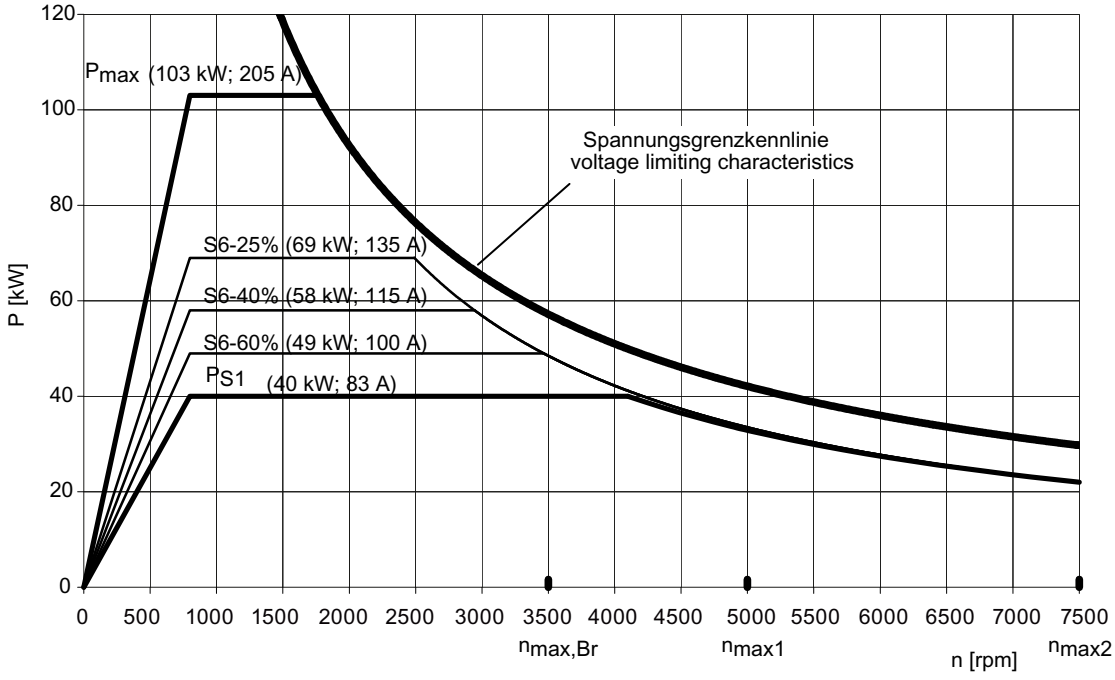


Table 2-48 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8186-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	40	478	83	5,000	7,500	-	3,500	4,100	1,230	205	478	83
700	35	478	83					4,700				



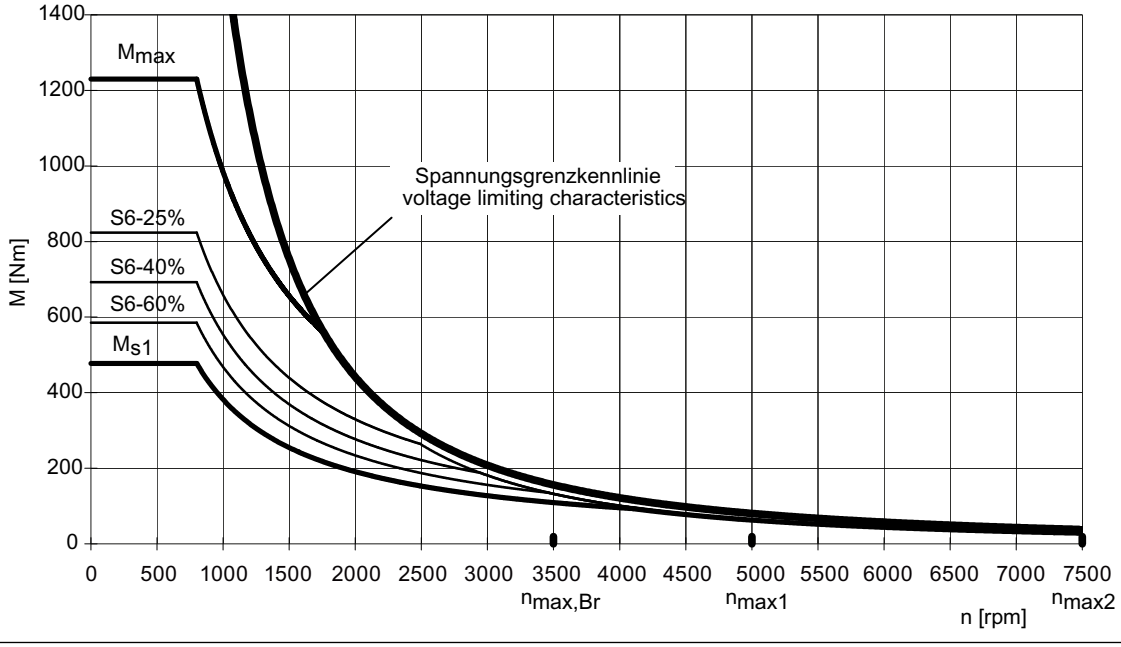


Table 2-49 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	50	478	83	5,000	7,500	-	3,500	4,000	1,230	205	478	83

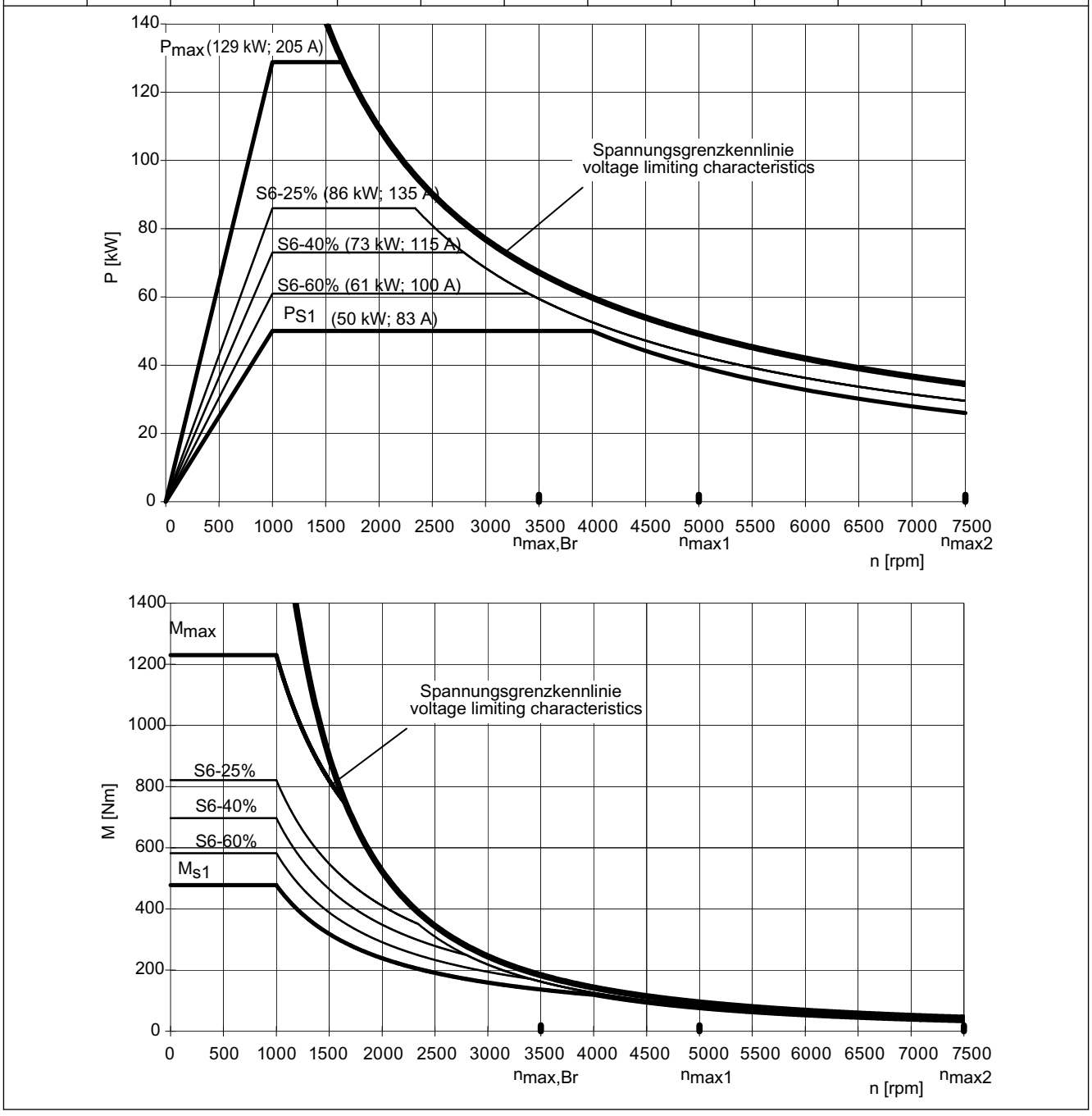
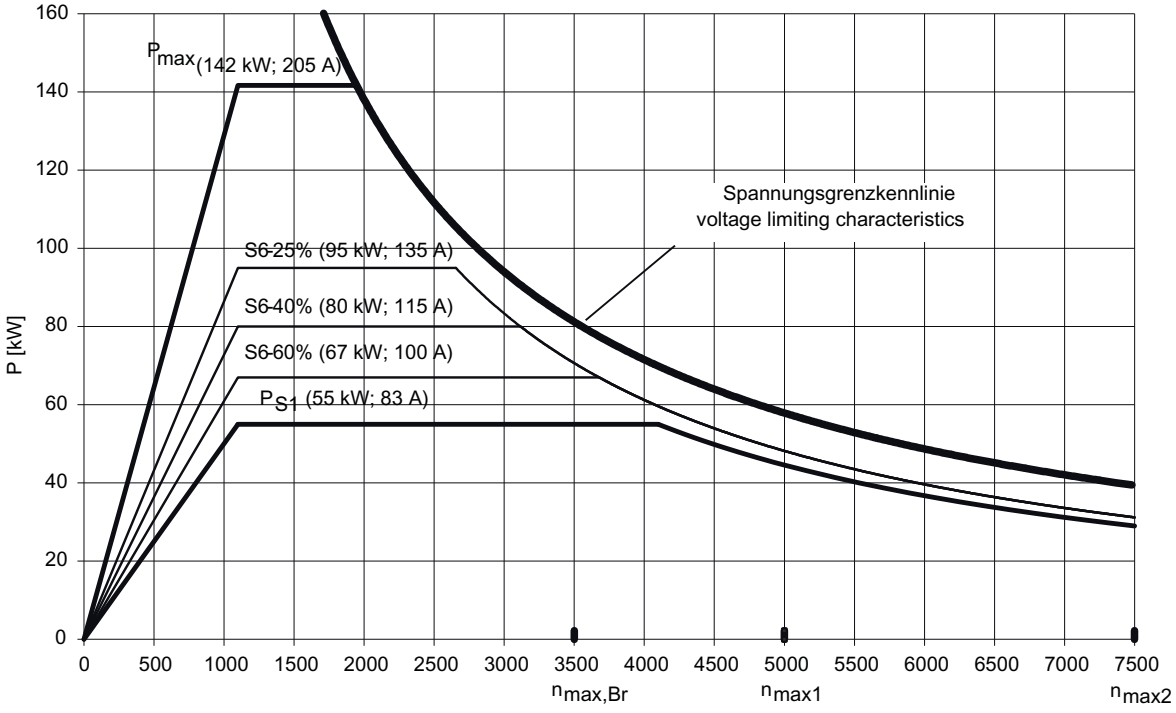


Table 2-50 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8186-□□C□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,100	55	478	83	5,000	7,500	-	3,500	4,100	1,230	205	478	83



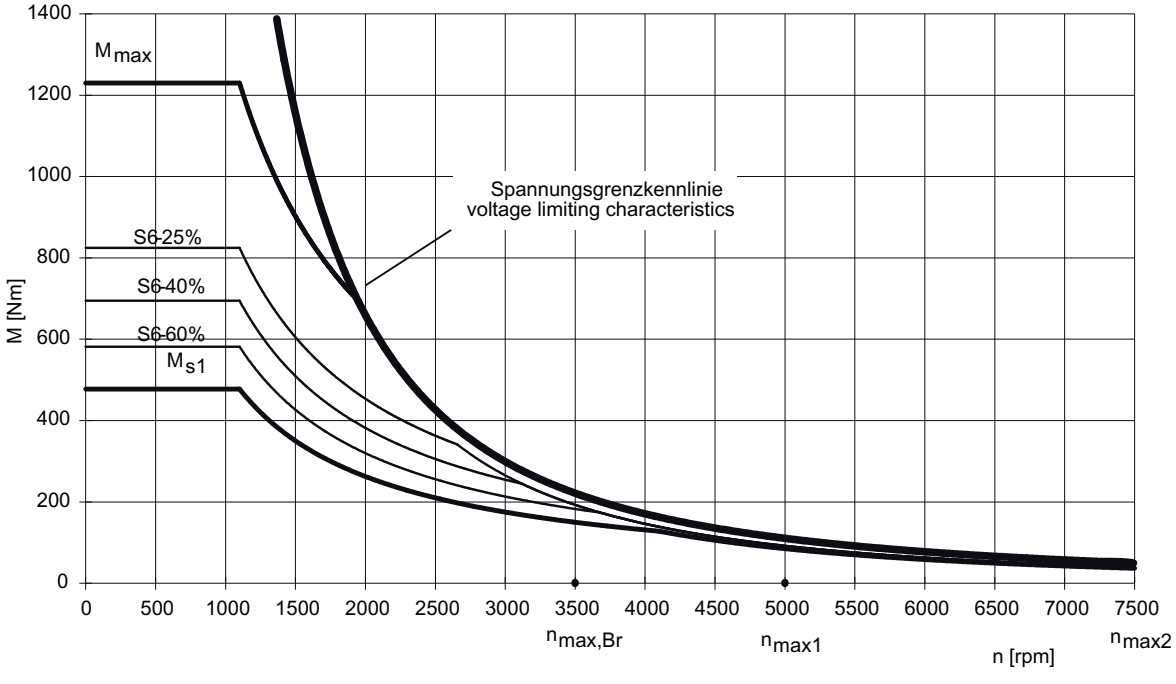
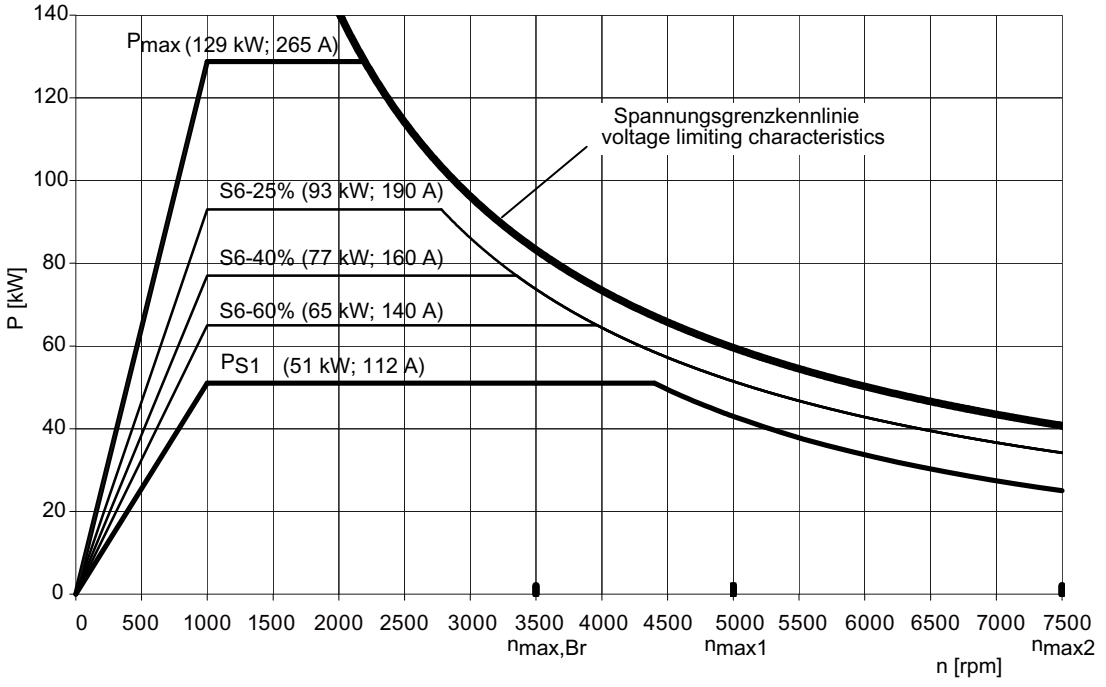


Table 2-51 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	51	487	112	5,000	7,500	-	3,500	4,400	1,230	265	487	112



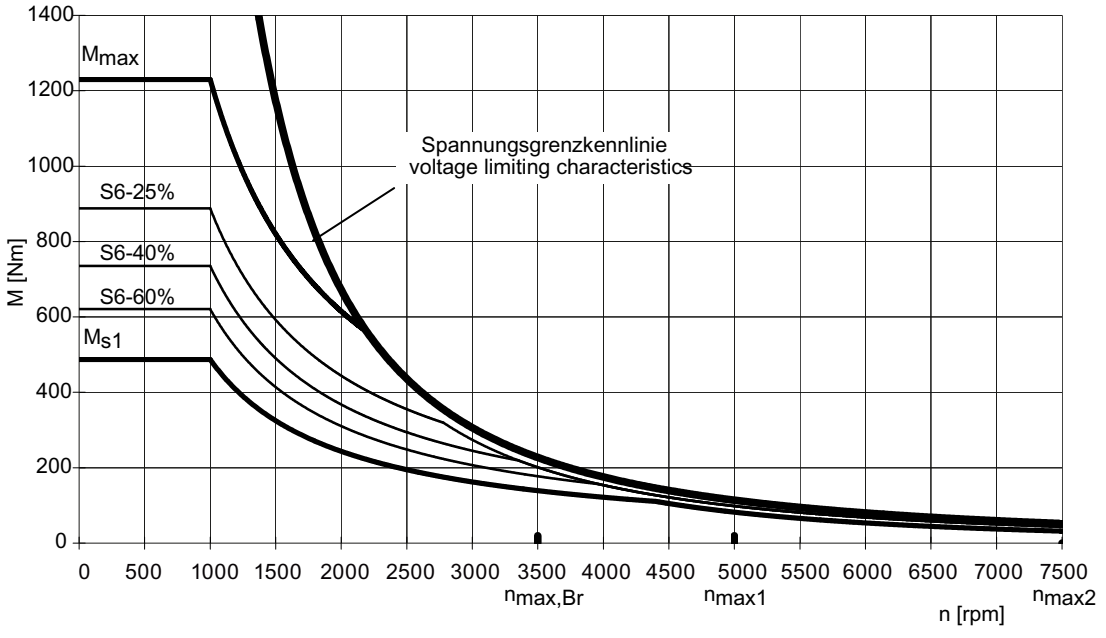
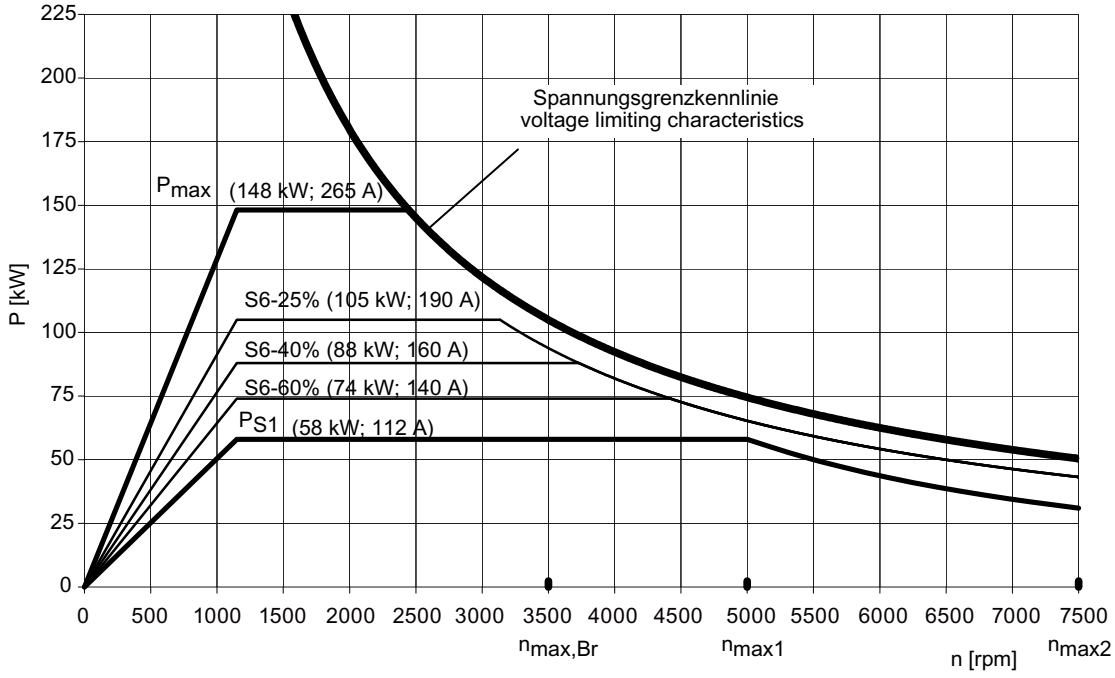


Table 2-52 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8186-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	58	482	112	5,000	7,500	-	3,500	5,000	1,230	265	482	112
1,000	51	487	112					5,400				



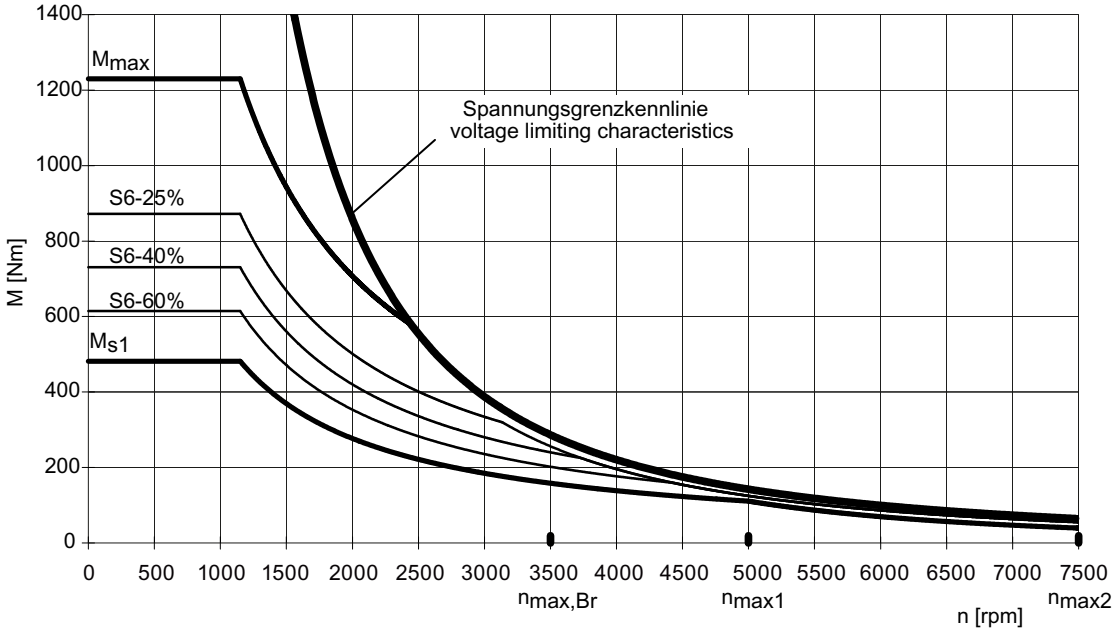


Table 2-53 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	67	474	112	5,000	7,500	-	3,500	5,000	1,230	265	474	112

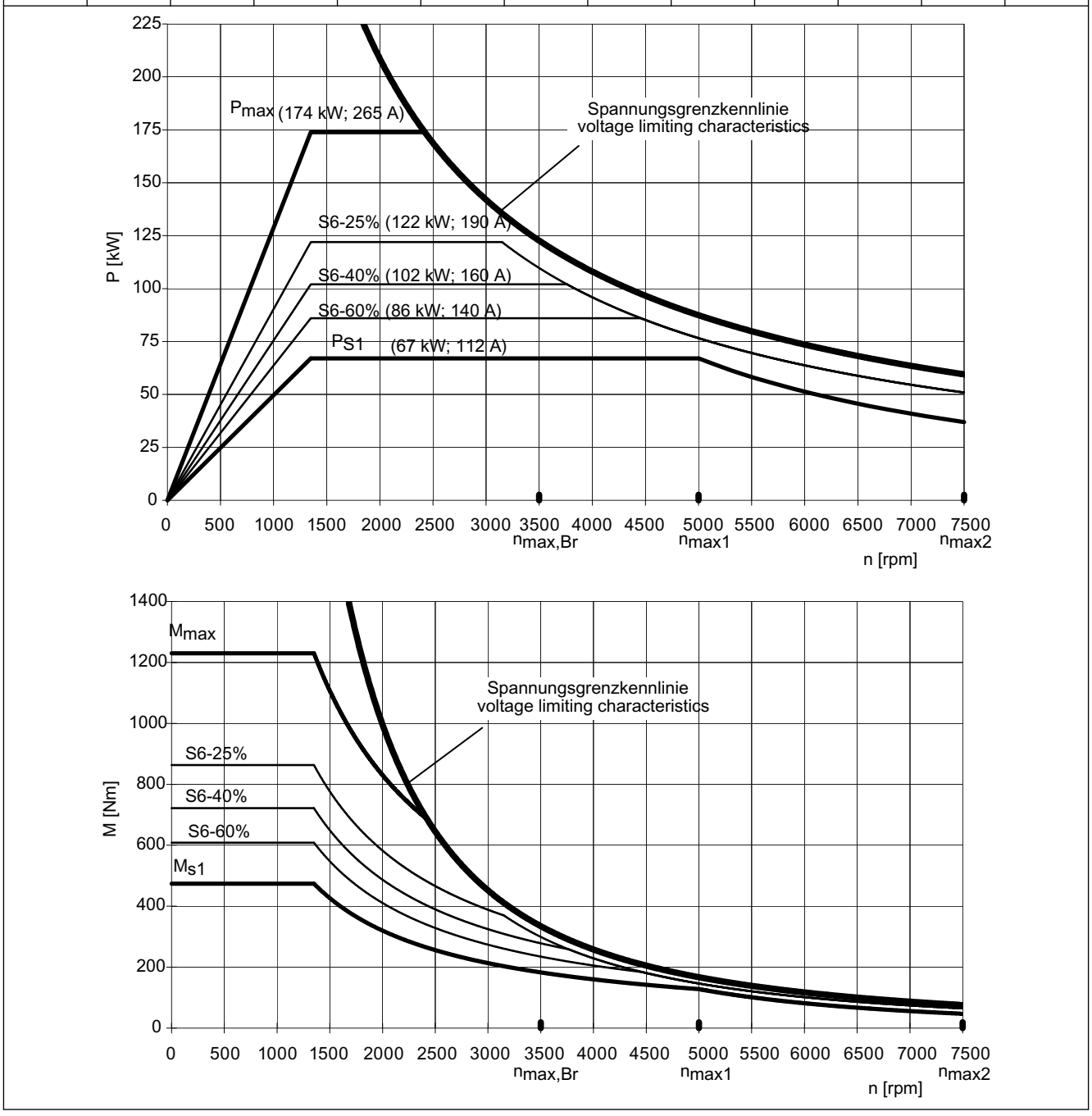
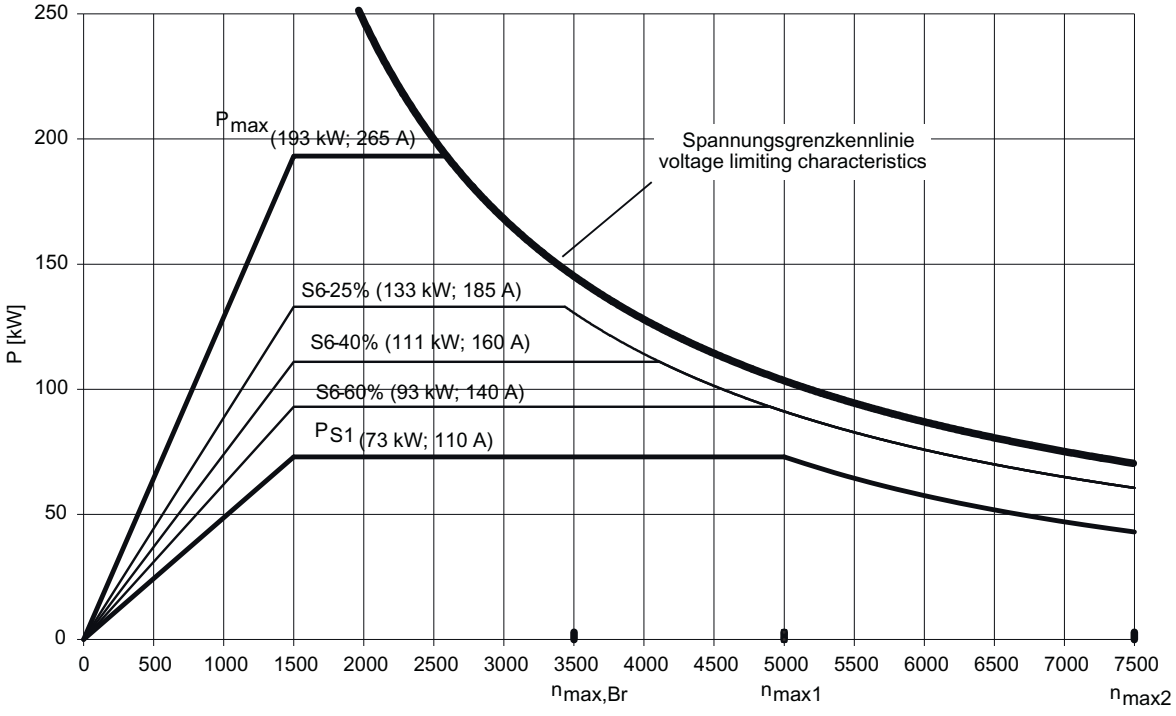


Table 2-54 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8186-□□D□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	73	465	110	5,000	7,500	-	3,500	5,000	1,230	265	487	110



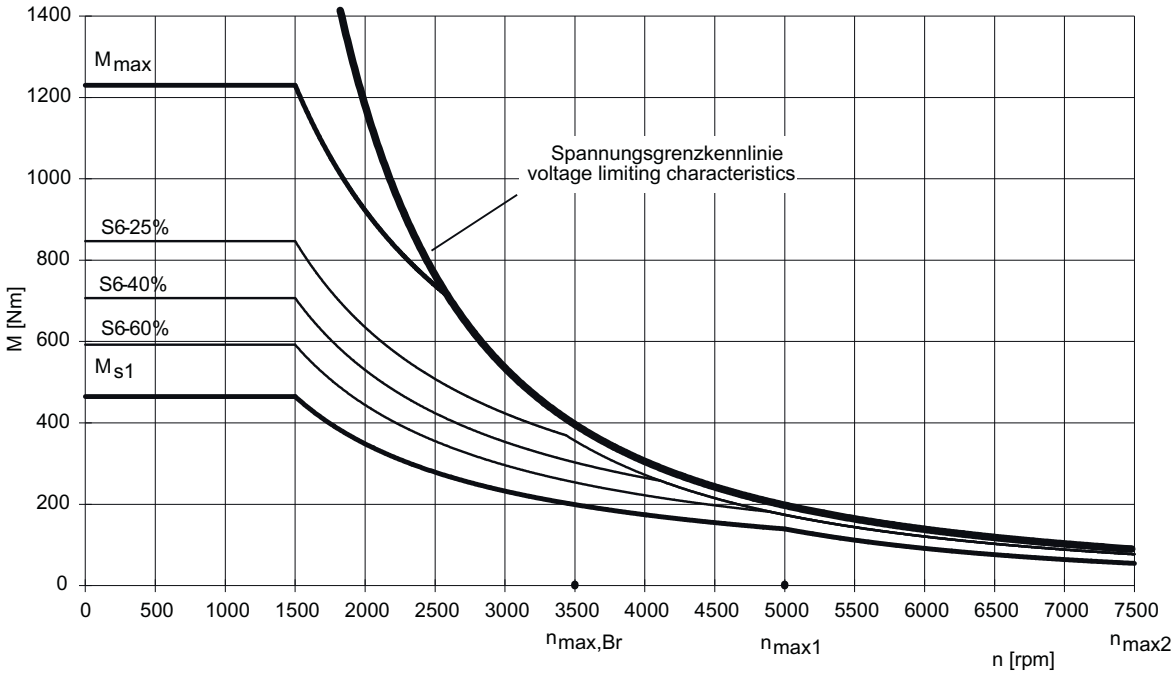
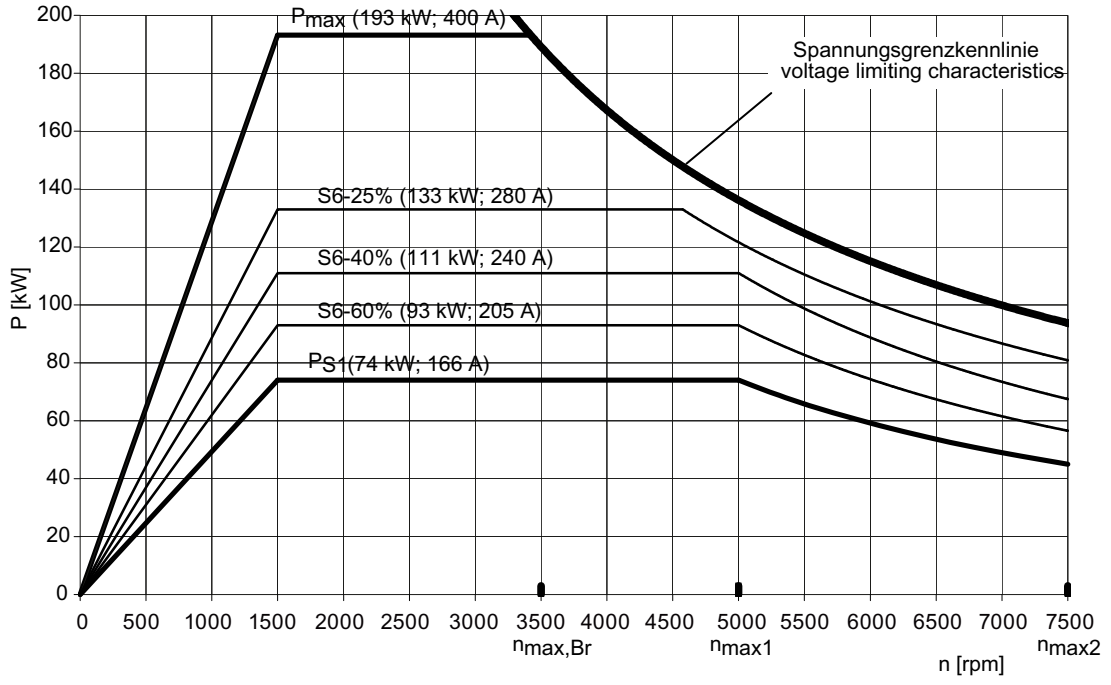


Table 2-55 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	74	471	166	5,000	7,500	-	3,500	5,000	1,230	400	471	166



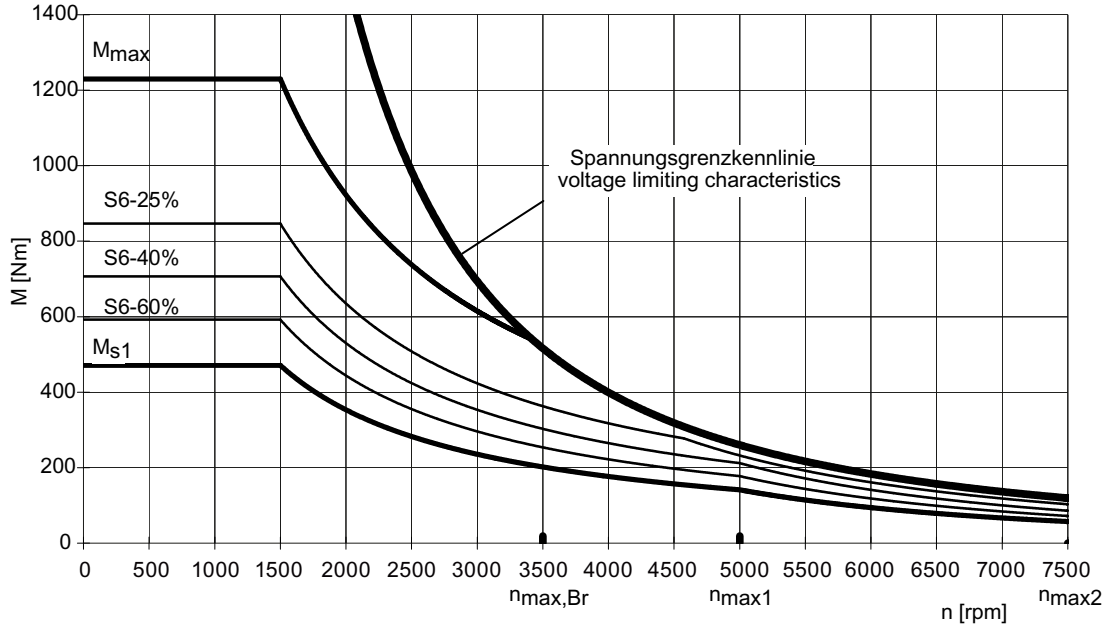
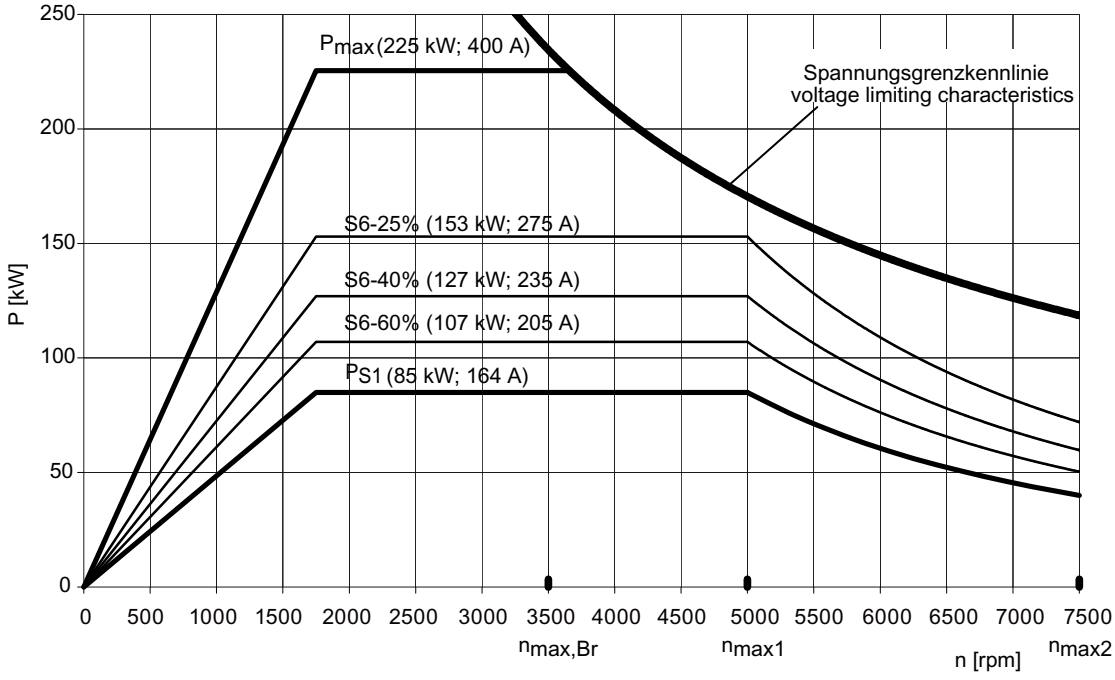


Table 2-56 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8186-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	85	464	164	5,000	7,500	-	3,500	5,000	1,230	400	464	164
1,500	74	471	166					5,400				



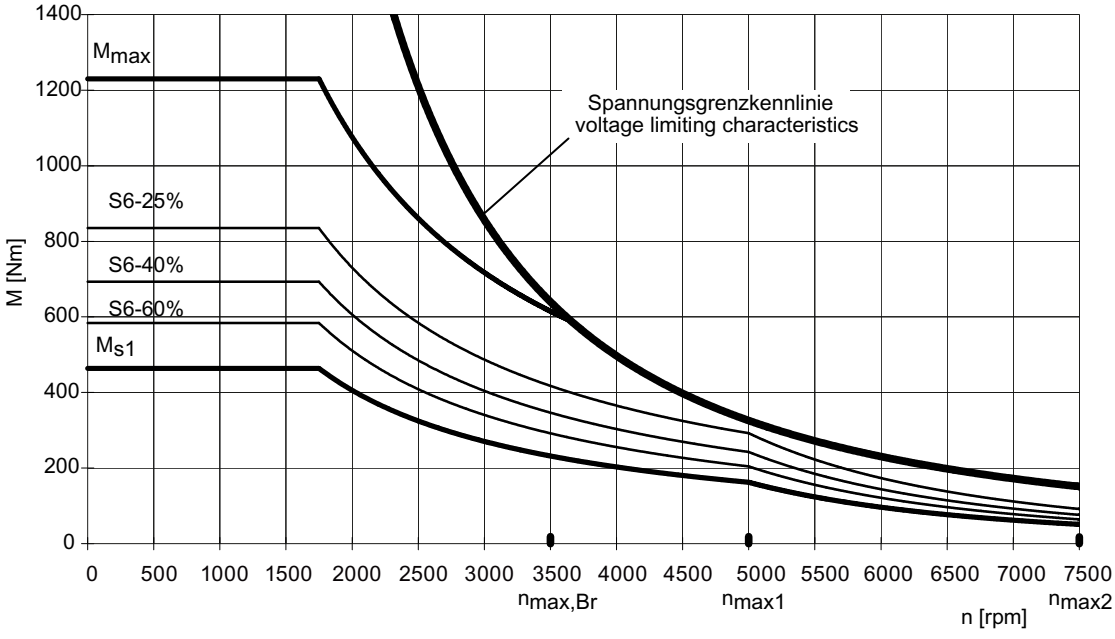


Table 2-57 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	94	449	160	5,000	7,500	-	3,500	5,000	1,230	400	449	160

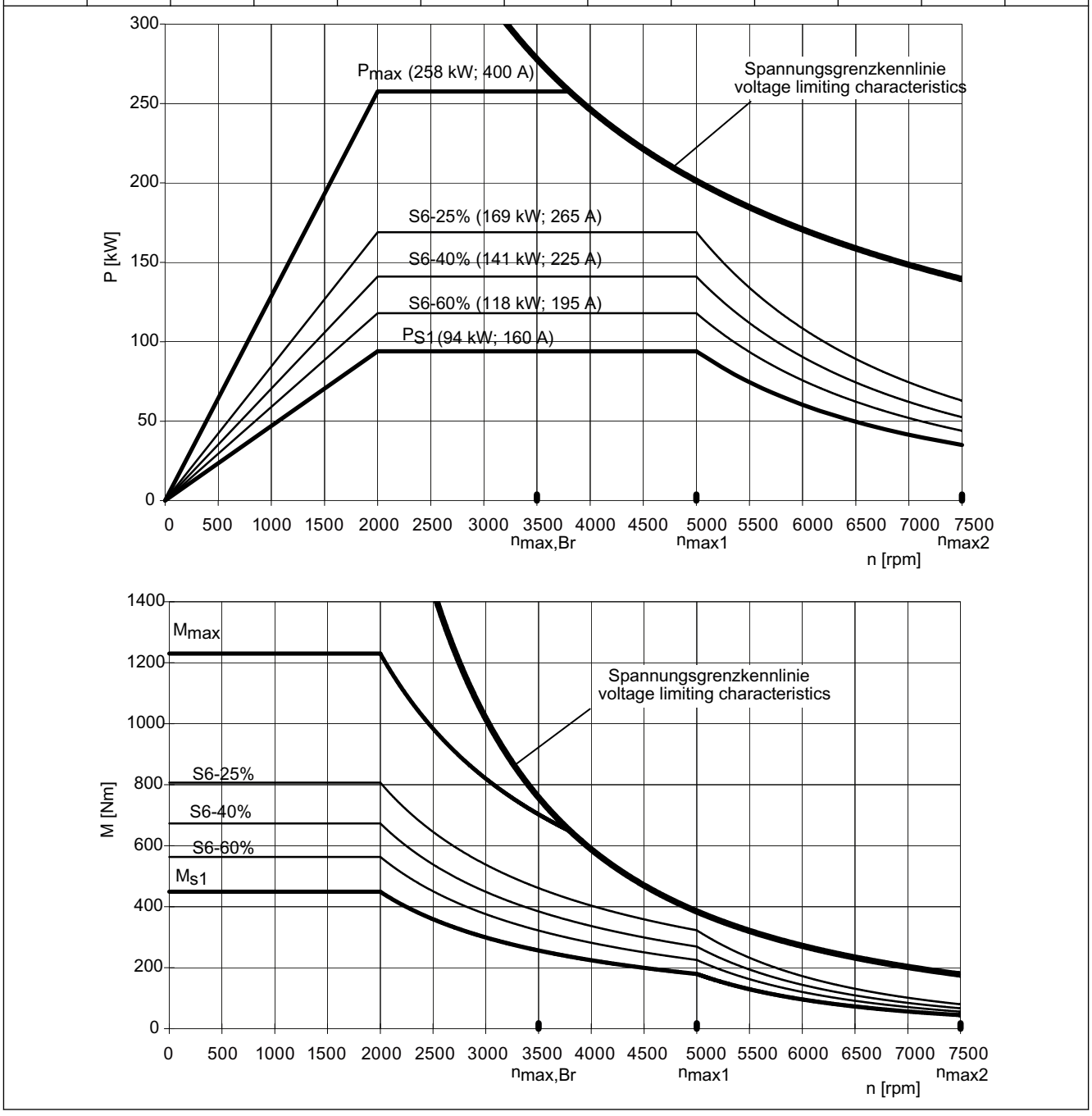
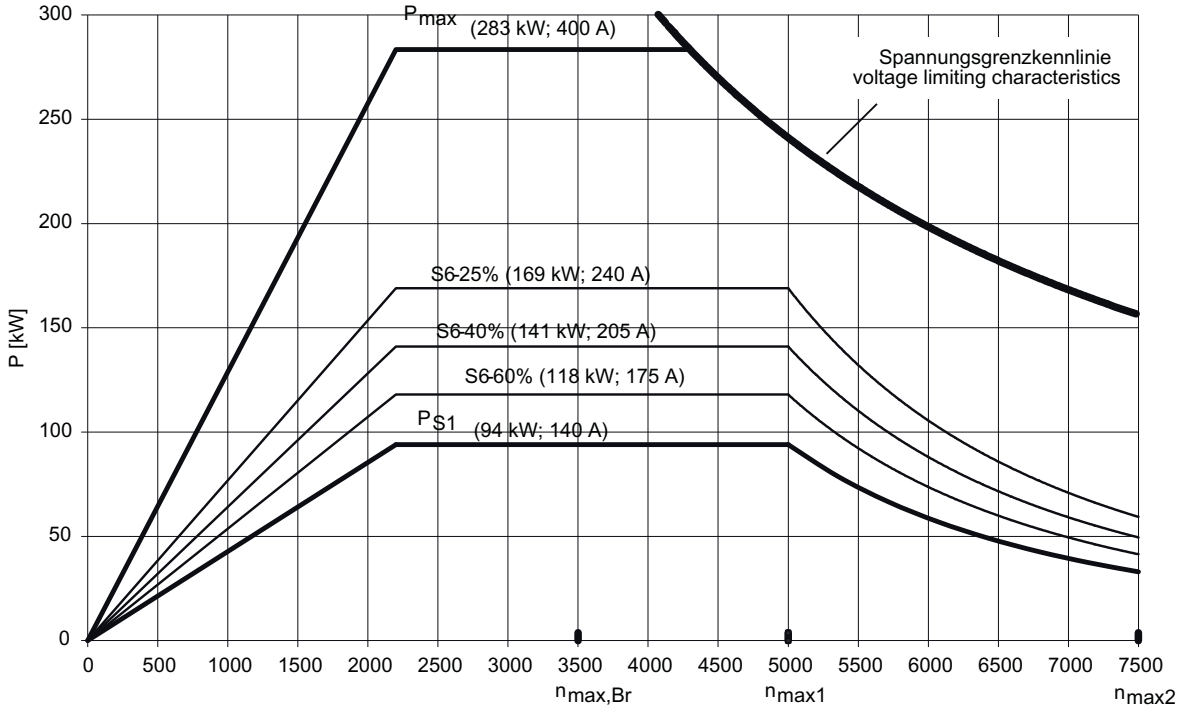


Table 2-58 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8186-□□F□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,200	94	408	140	5,000	7,500	-	3,500	5,000	1,230	400	471	140



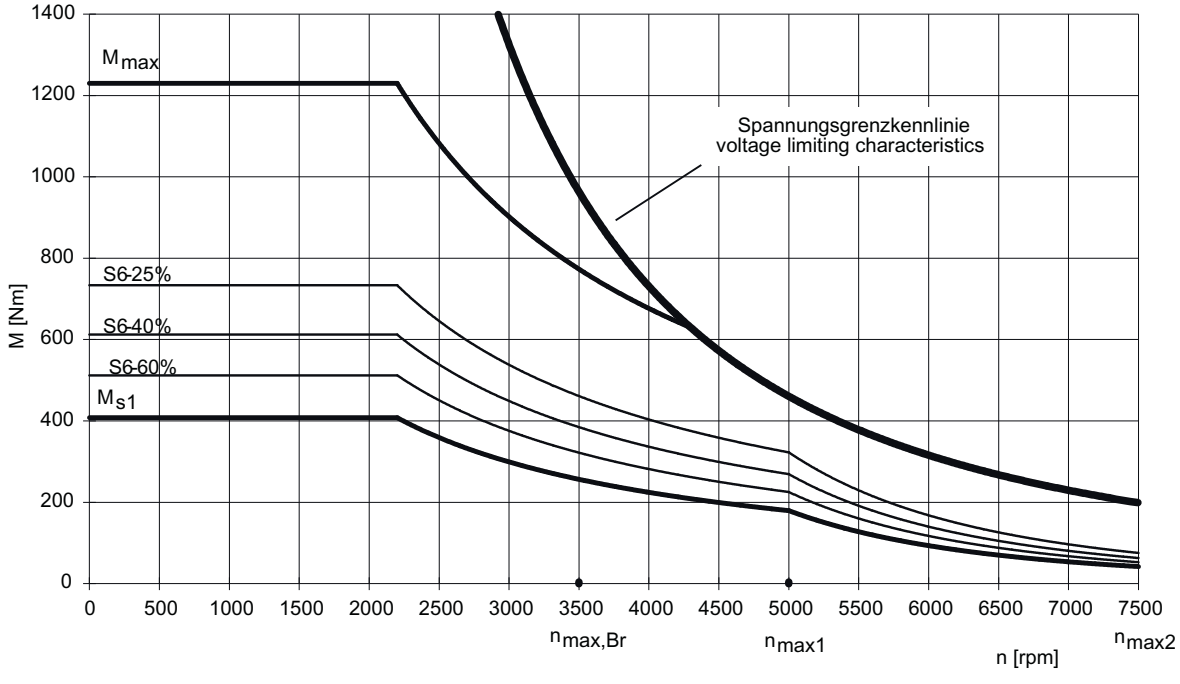
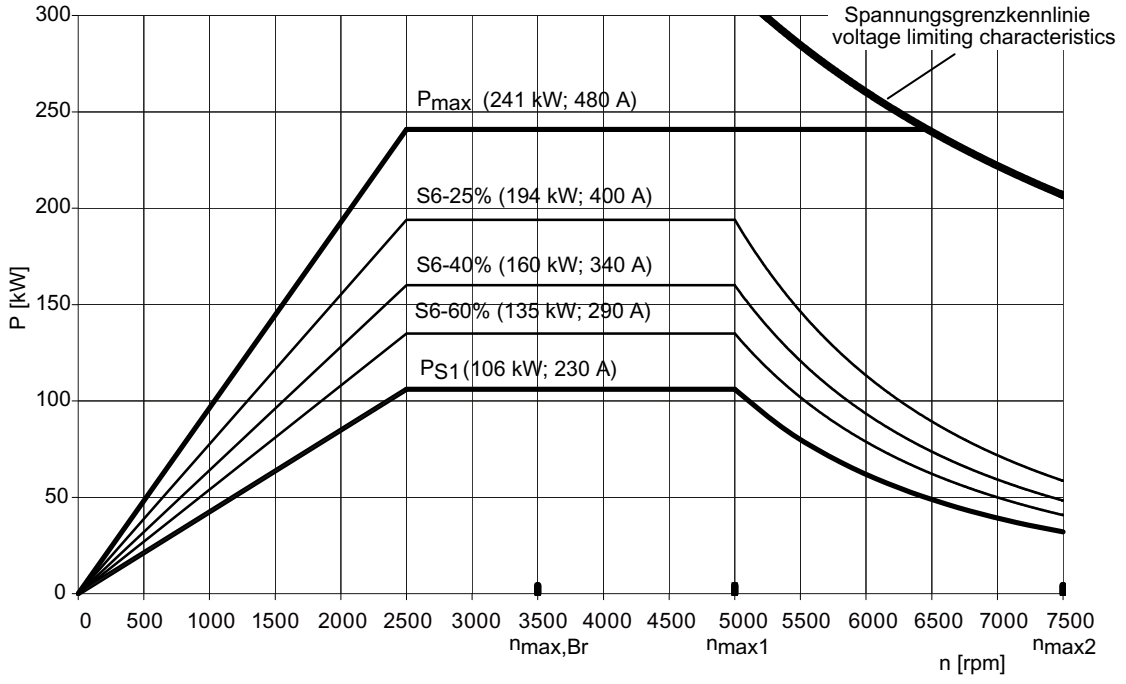


Table 2-59 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□L□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,500	106	405	230	5,000	7,500	-	3,500	5,000	920	480	405	230



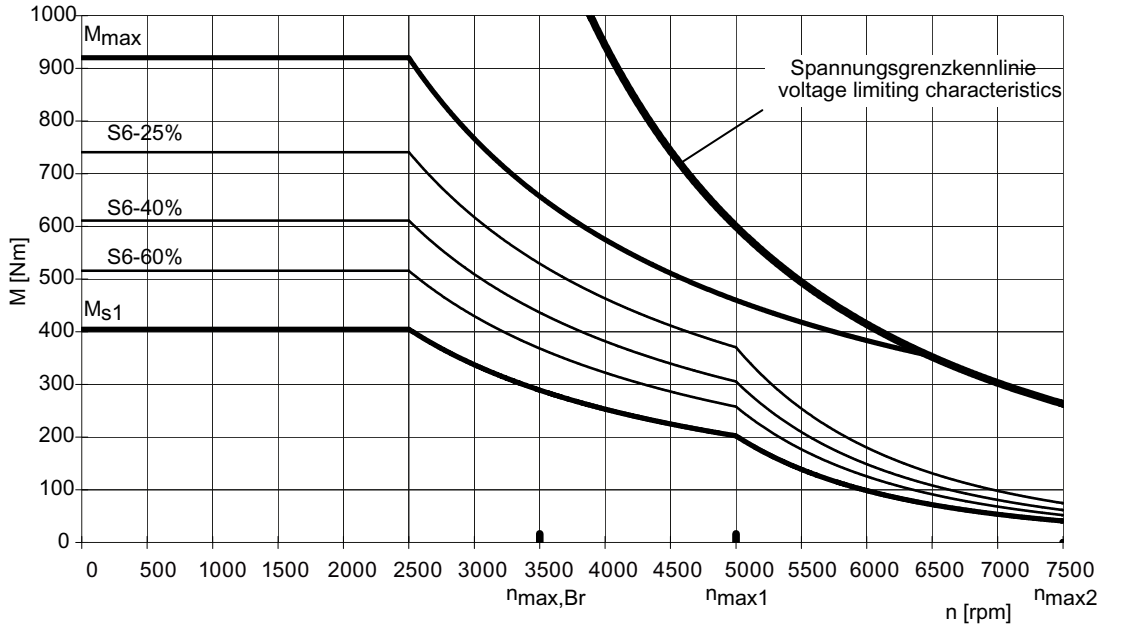
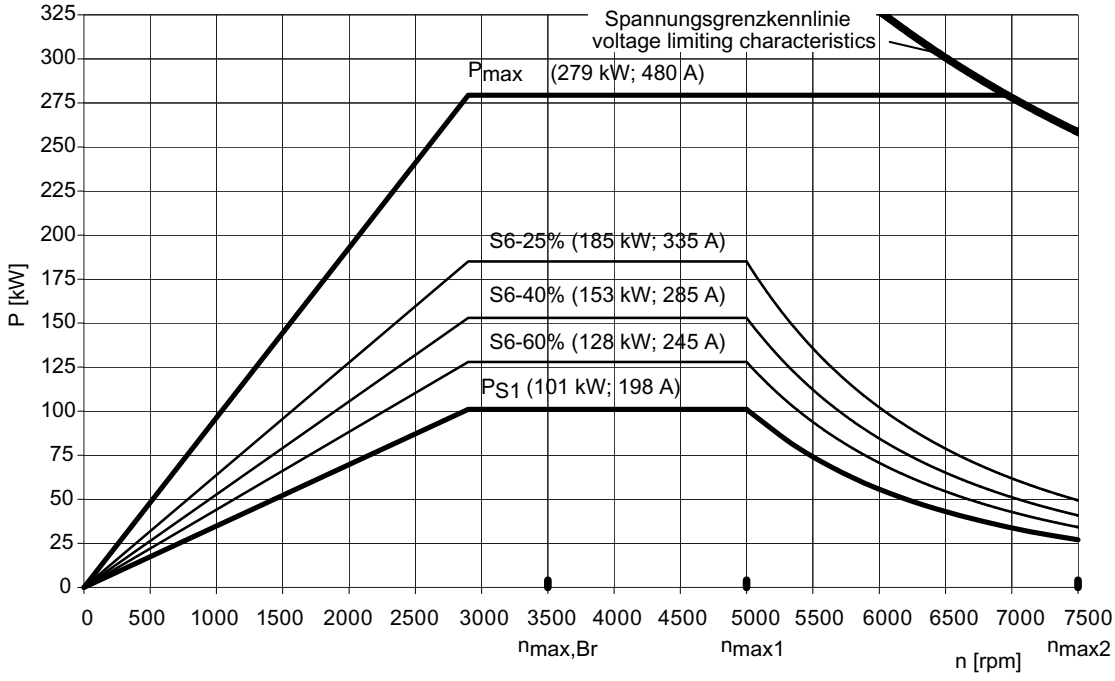


Table 2-60 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8186-□□L□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,900	101	333	198	5,000	75,000	-	3,500	5,000	920	480	333	198
-	-	-	-					-				



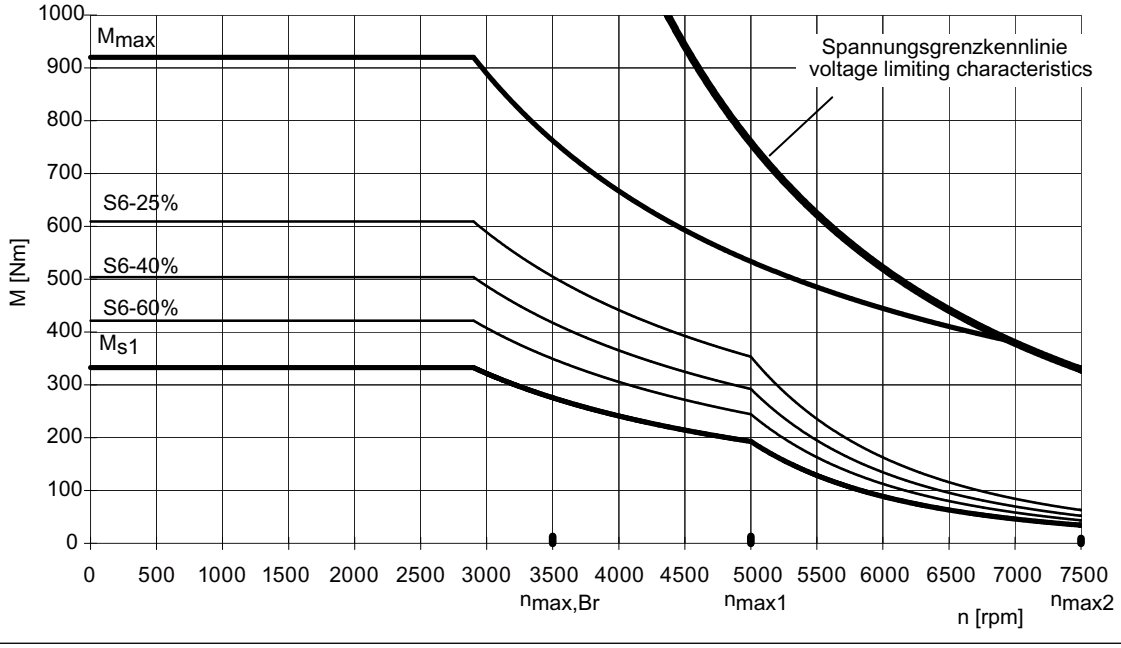
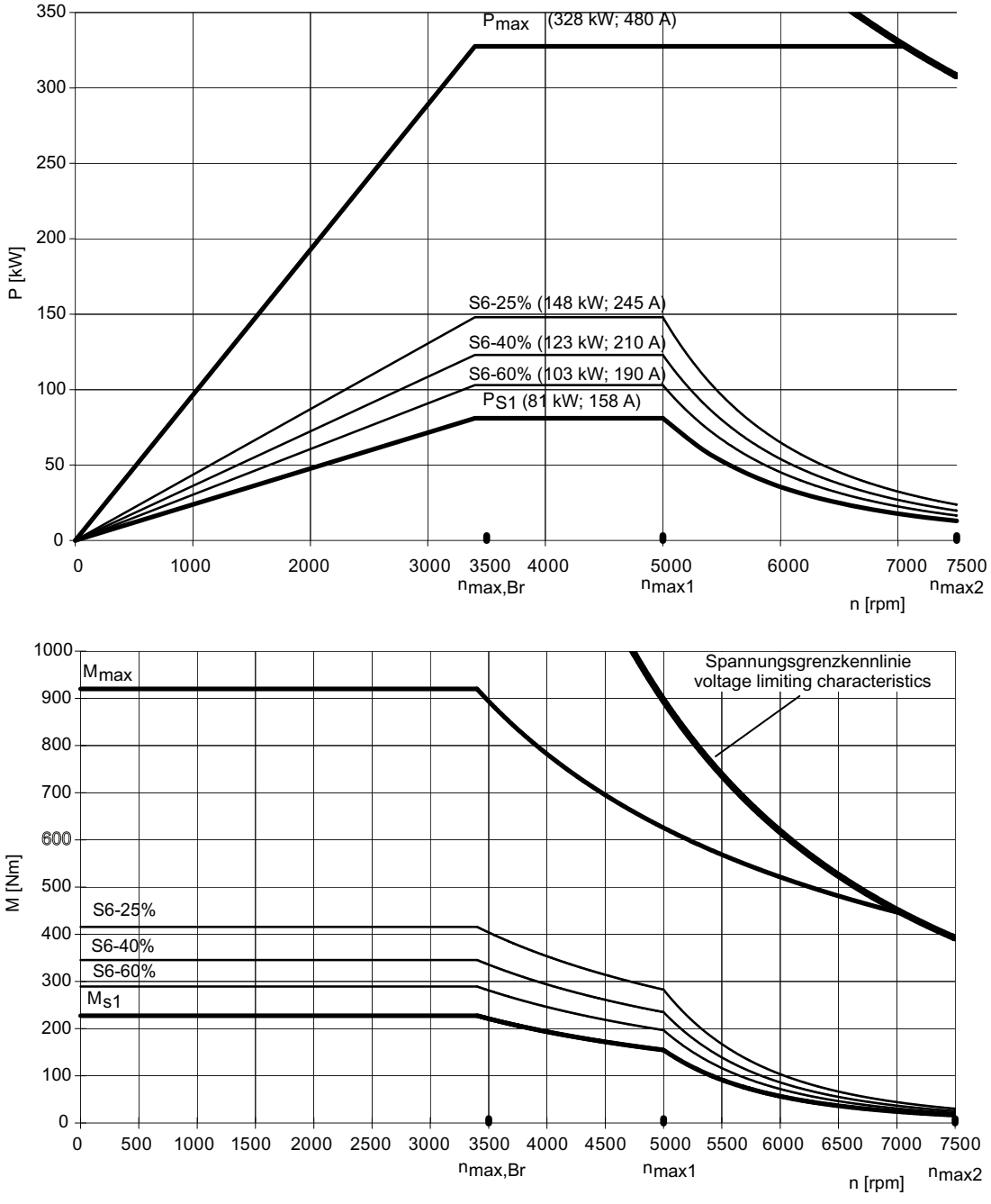


Table 2-61 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8186-□□L□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
3,400	81	228	158	5,000	7,500	-	3,500	5,000	920	480	228	158

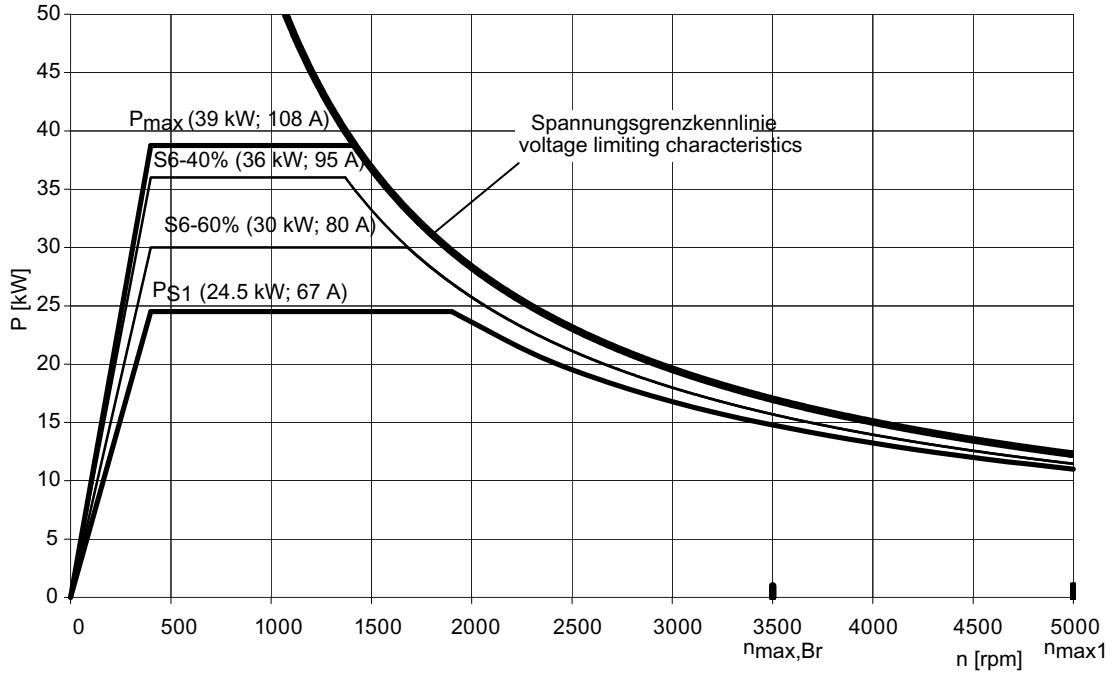


Note: In this electrical version (L winding), supplementary losses that are disproportionately high relative to the speed occur at high connection voltages (480 V 3AC), depending on the modulation depth of the converter. To comply with the permissible motor temperature, a power reduction must be considered in the configuration.

2.2.7 Shaft height 180 - forced ventilation (open-circuit ventilation)

Table 2-62 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□B□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	24.5	585	67	5,000	-	-	3,500	1,900	925	108	585	67



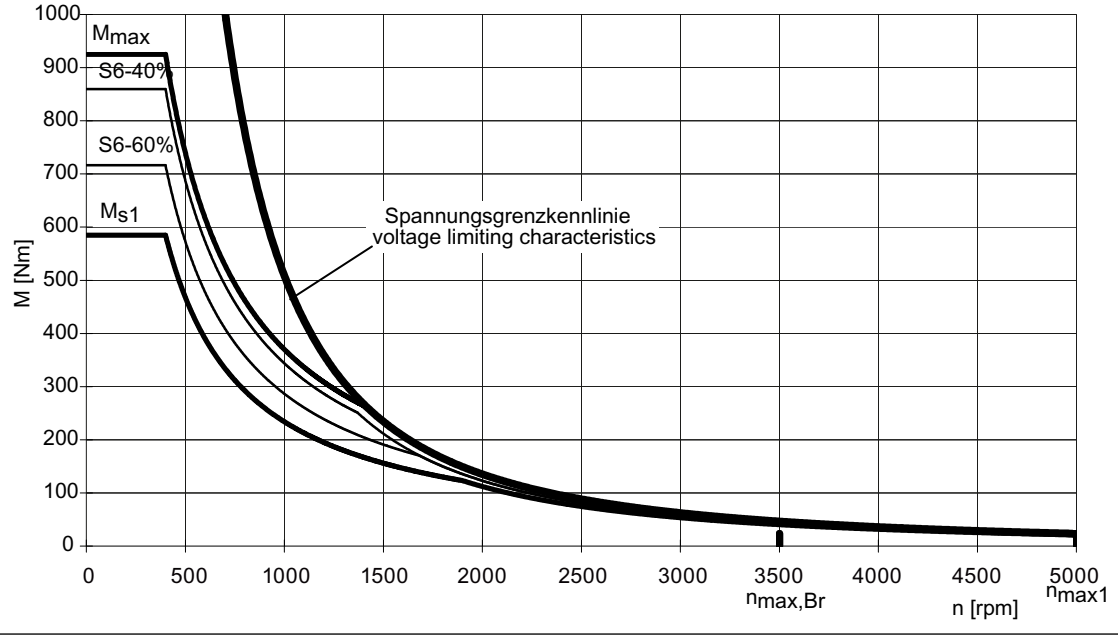
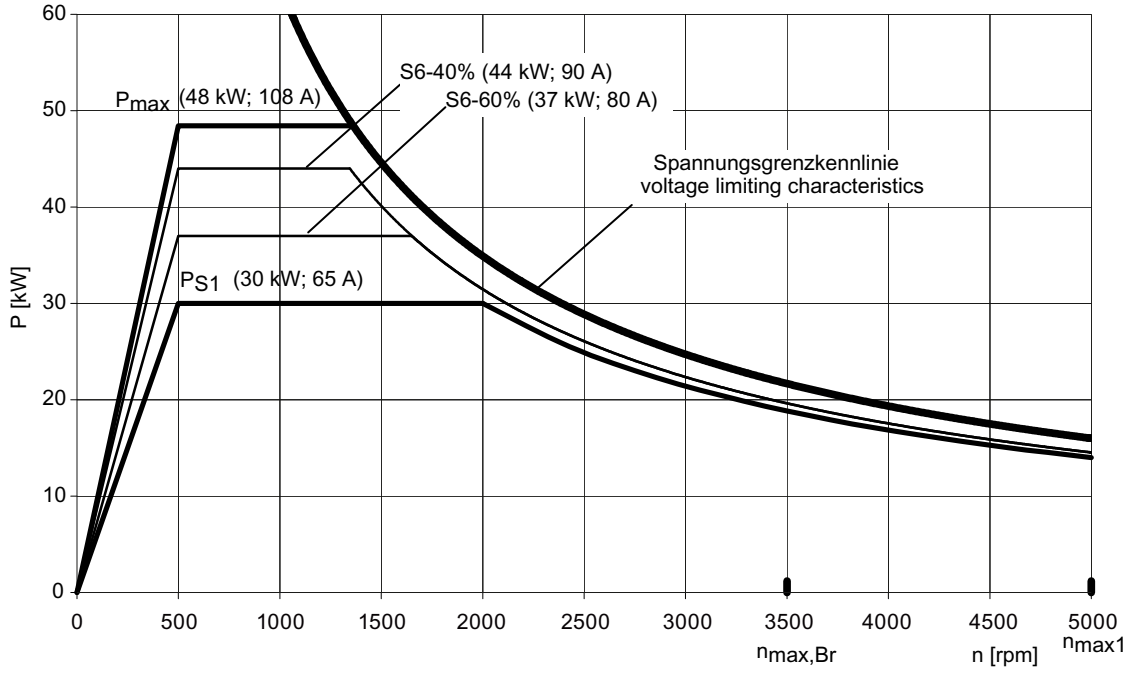


Table 2-63 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8184-□□B□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	30	573	65	5,000	-	-	3,500	2,000	925	108	573	65
400	24.5	585	67					2,600				



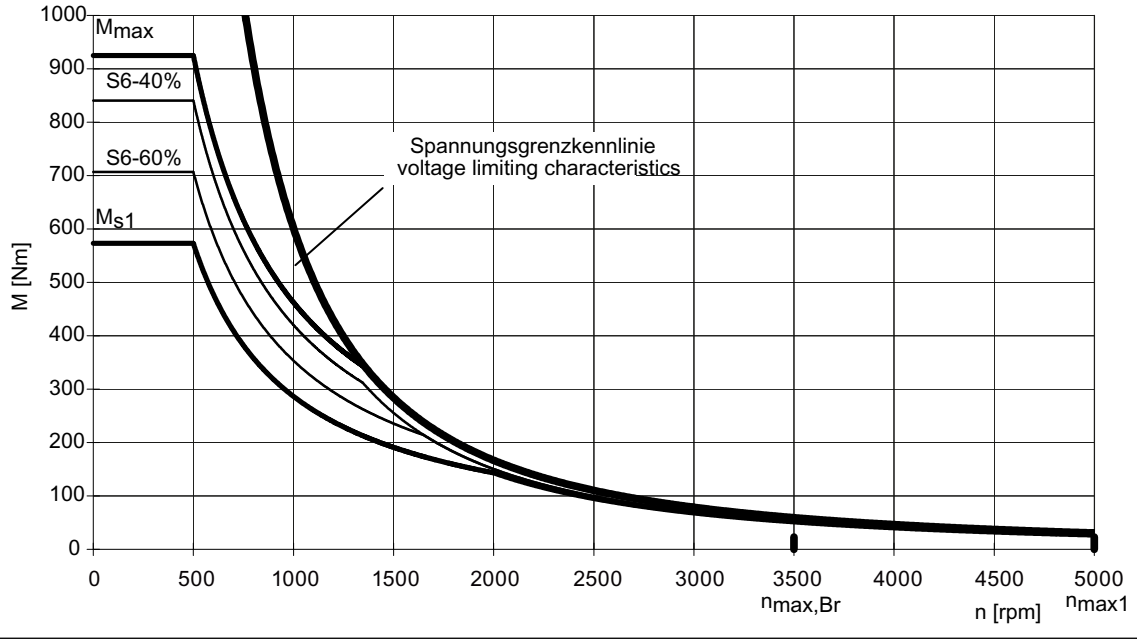
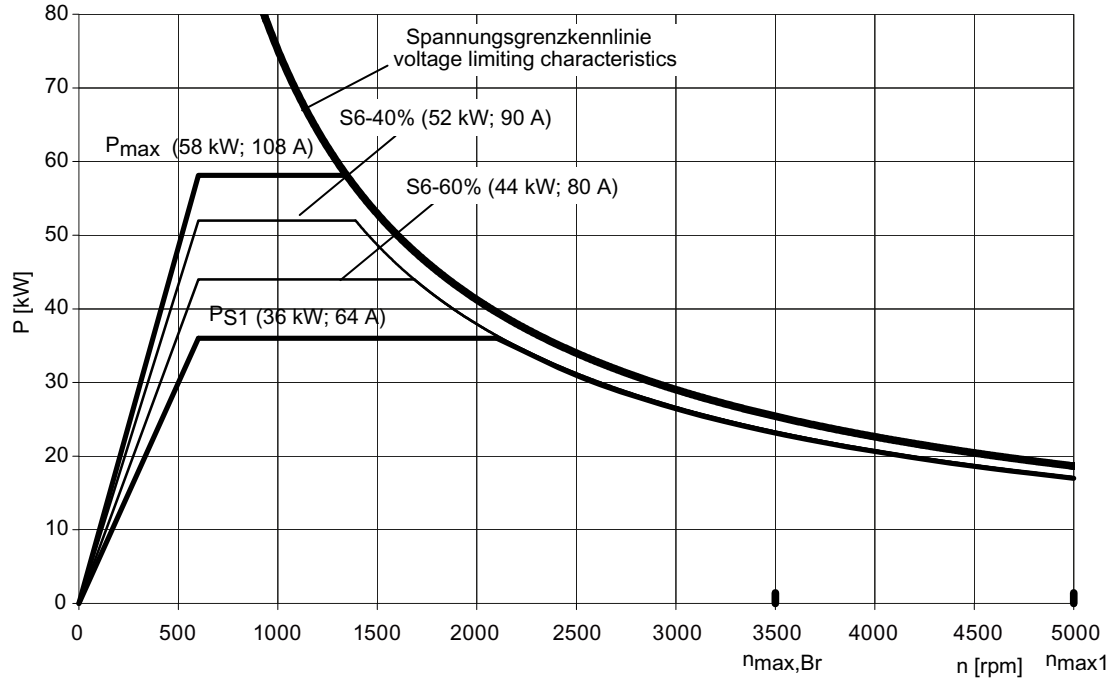


Table 2-64 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□B□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	36	573	64	5,000	-	-	3,500	2,100	925	108	573	64



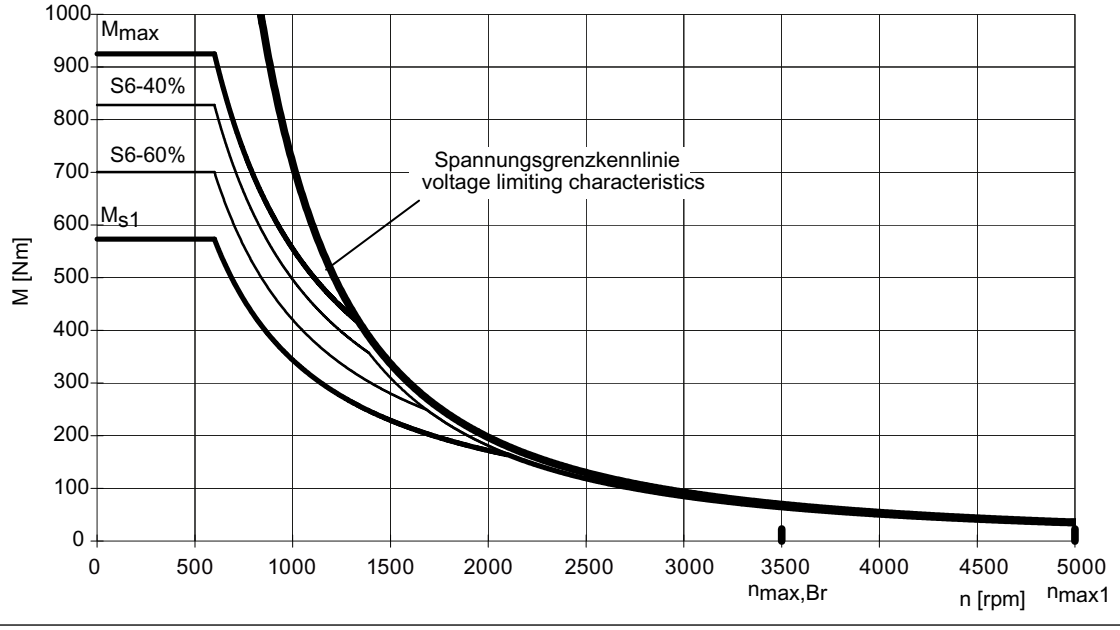


Table 2-65 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8184-□□B□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	42	573	65	5,000	-	-	3,500	2,200	925	108	585	65

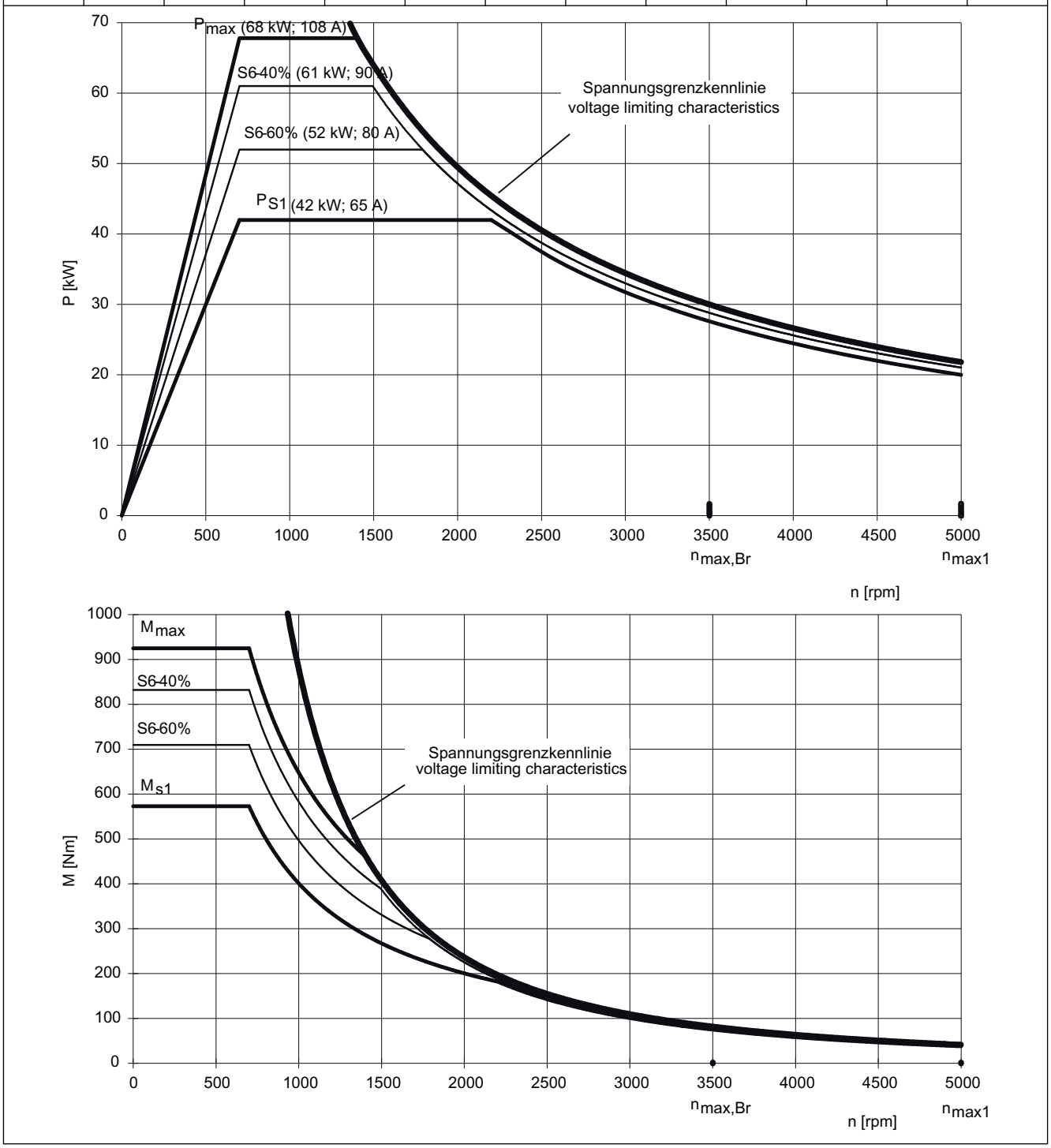


Table 2-66 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□C□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	40	546	94	5,000	-	-	3,500	2,200	925	168	546	94

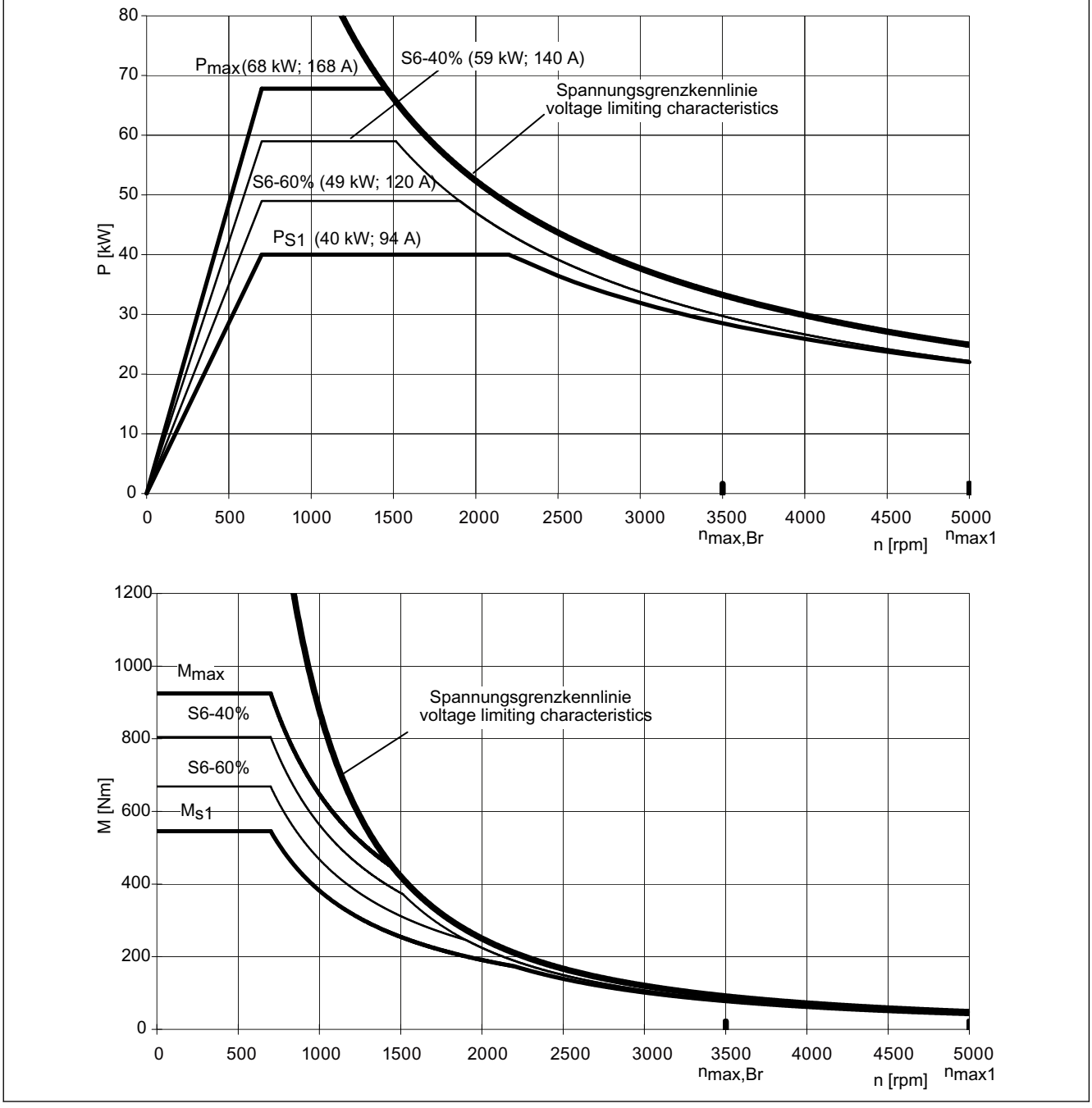
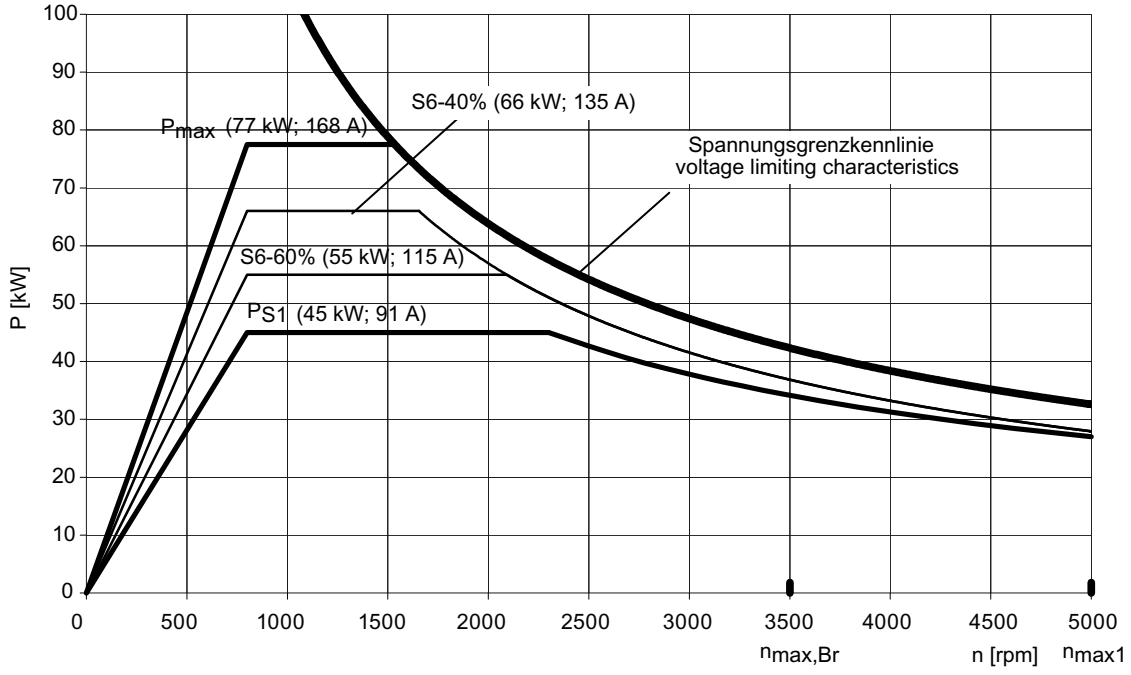


Table 2-67 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8184-□□C□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	45	537	91	5,000	-	-	3,500	2,300	925	168	537	91
700	40	546	94					2,800				



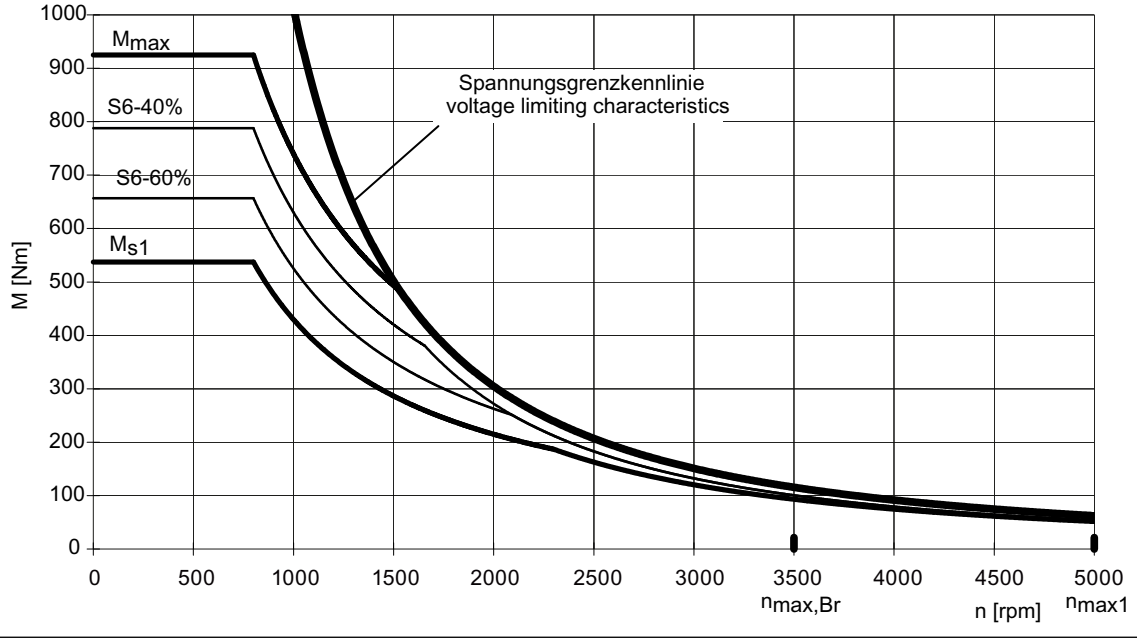


Table 2-68 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□C□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	57	544	90	5,000	-	-	3,500	2,400	925	168	544	90

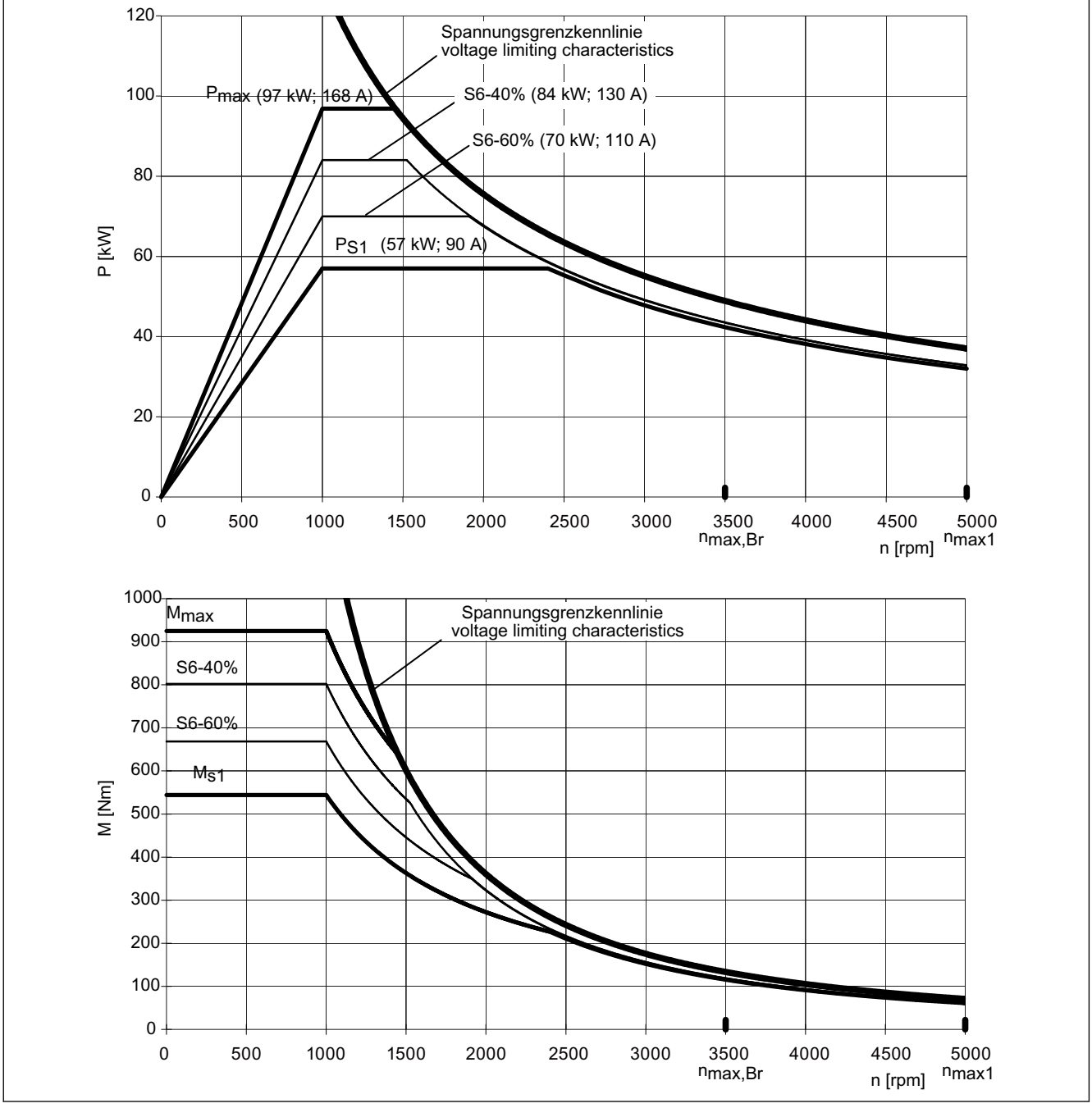


Table 2-69 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8184-□□C□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,100	62	538	89	5,000	-	-	3,500	2,500	925	168	546	89

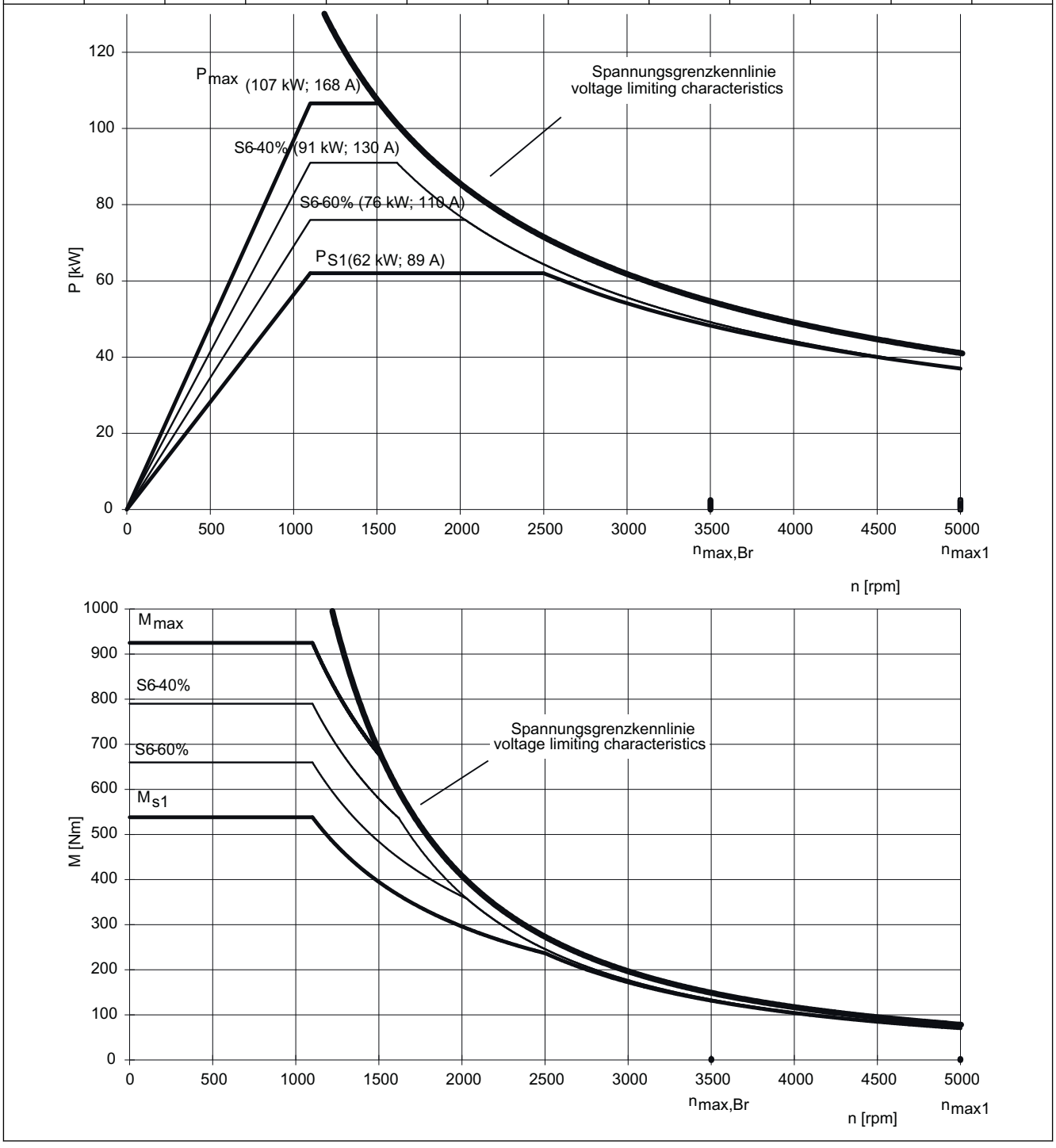


Table 2-70 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□D□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	57	544	120	5,000	-	-	3,500	2,800	925	205	544	120

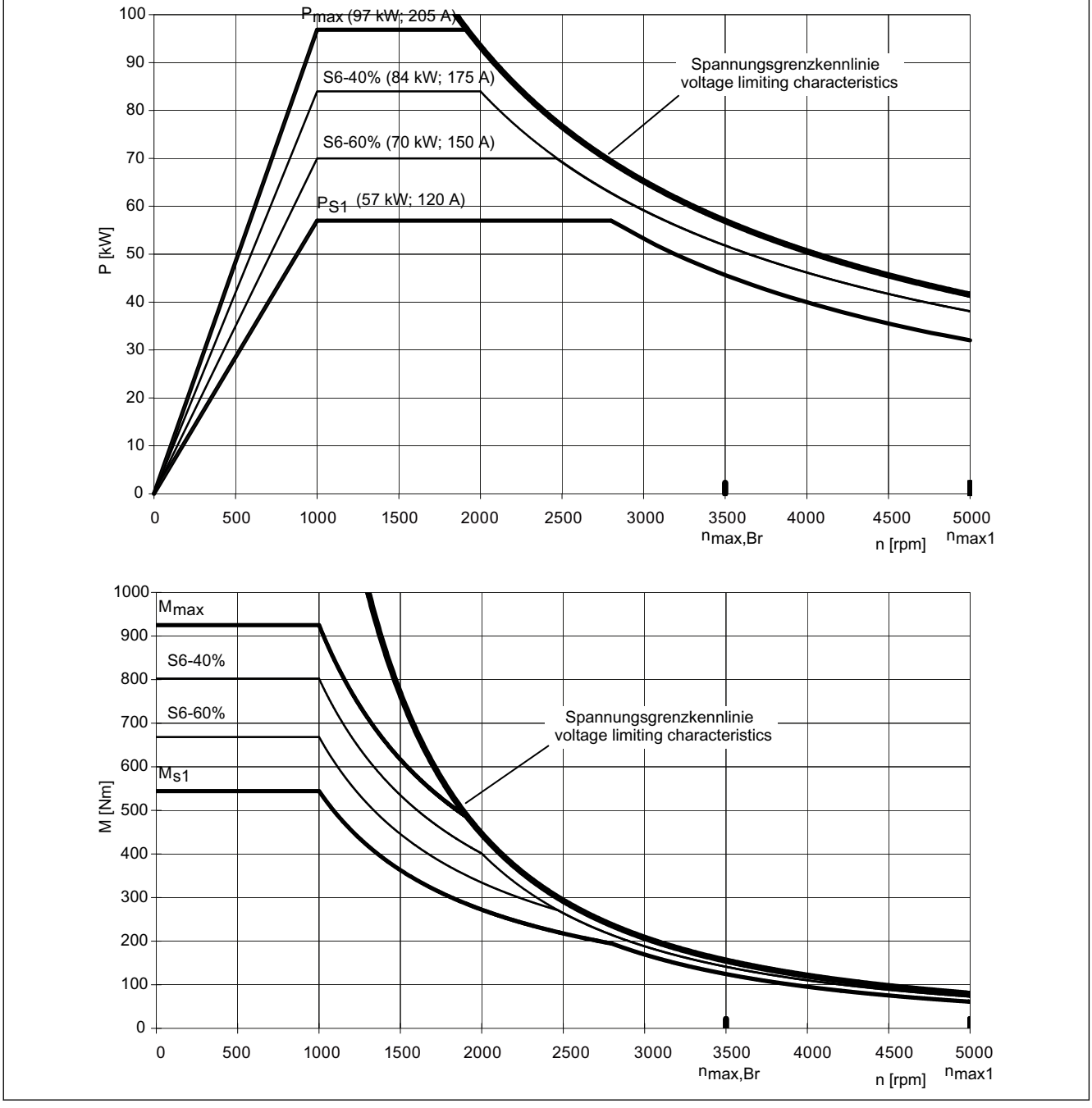
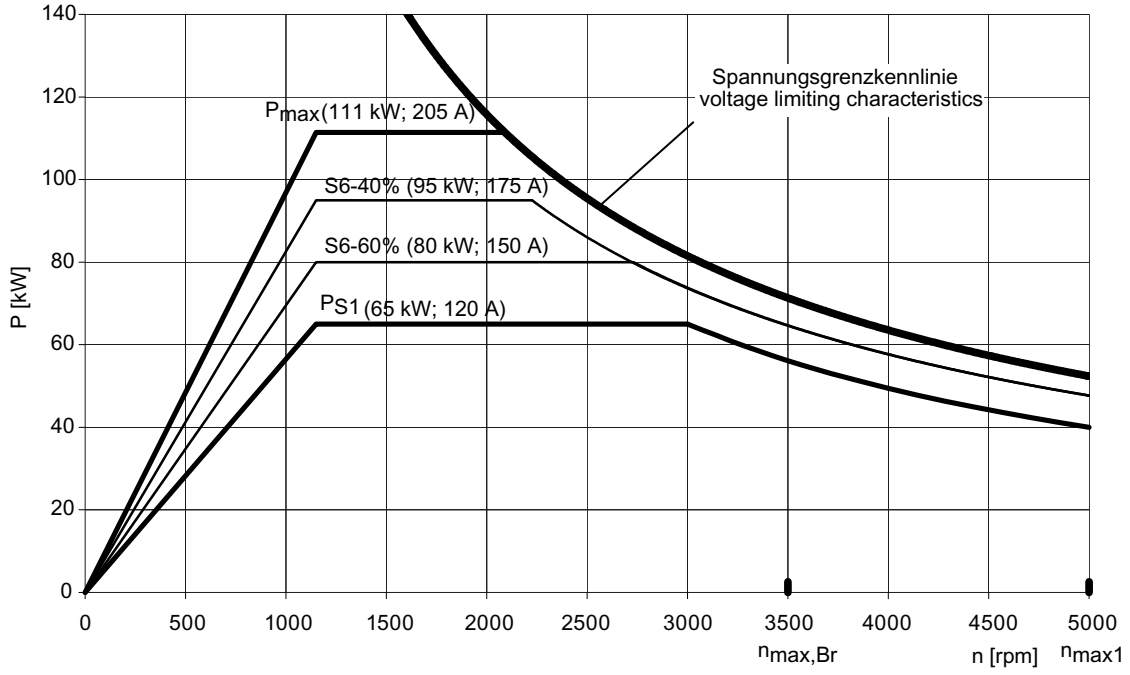


Table 2-71 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8184-□□D□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	65	540	120	5,000	-	-	3,500	3,000	925	205	540	120
1,000	57	544	120					3,400				



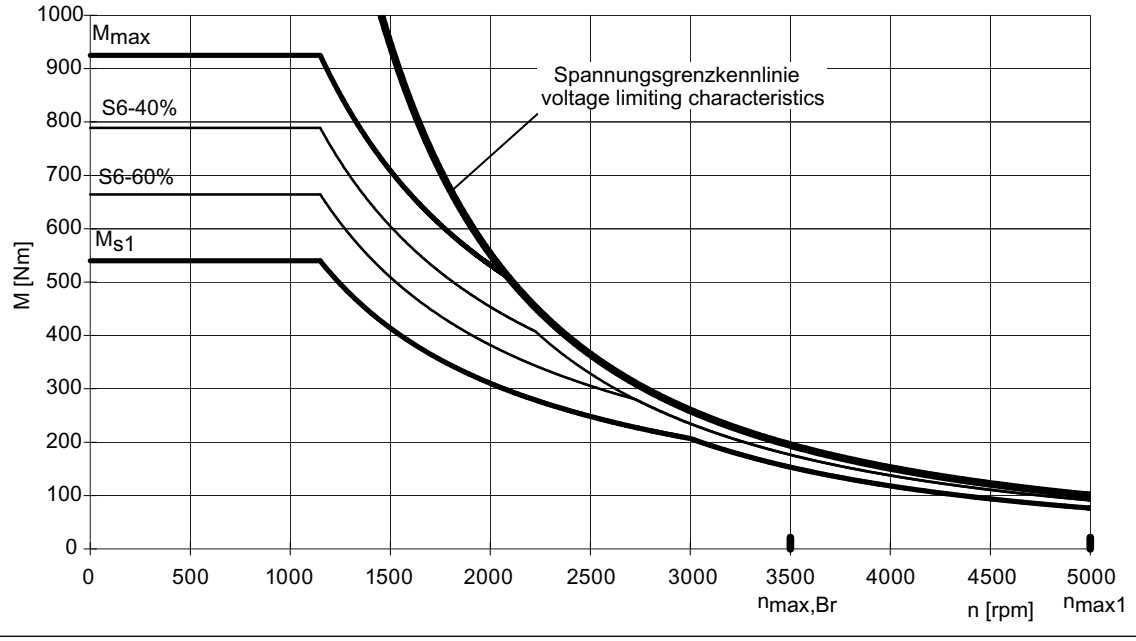


Table 2-72 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□D□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	74	523	118	5,000	-	-	3,500	3,100	925	205	523	118

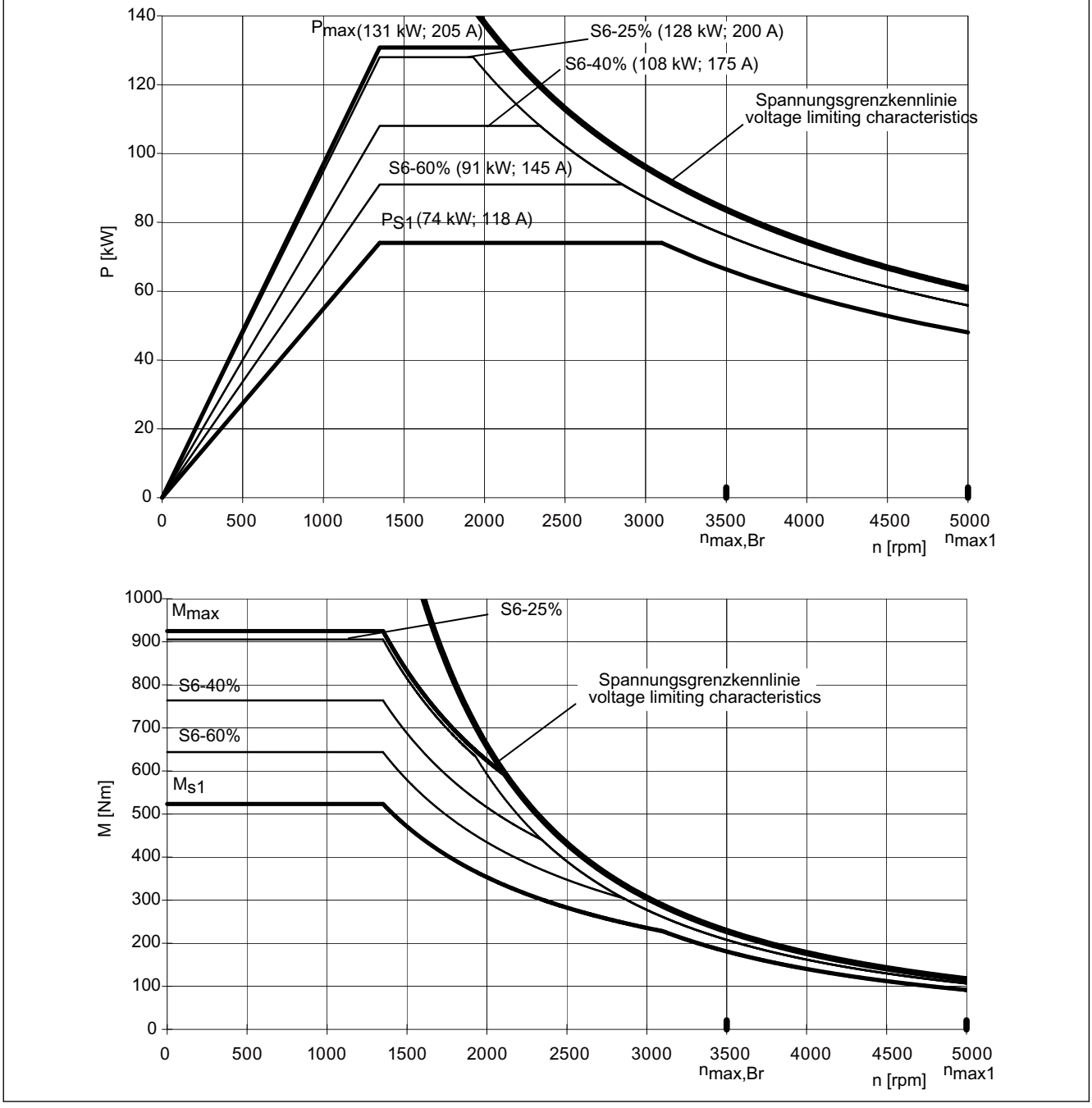


Table 2-73 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8184-□□D□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	76	484	108	5,000	-	-	3,500	3,600	925	205	544	108

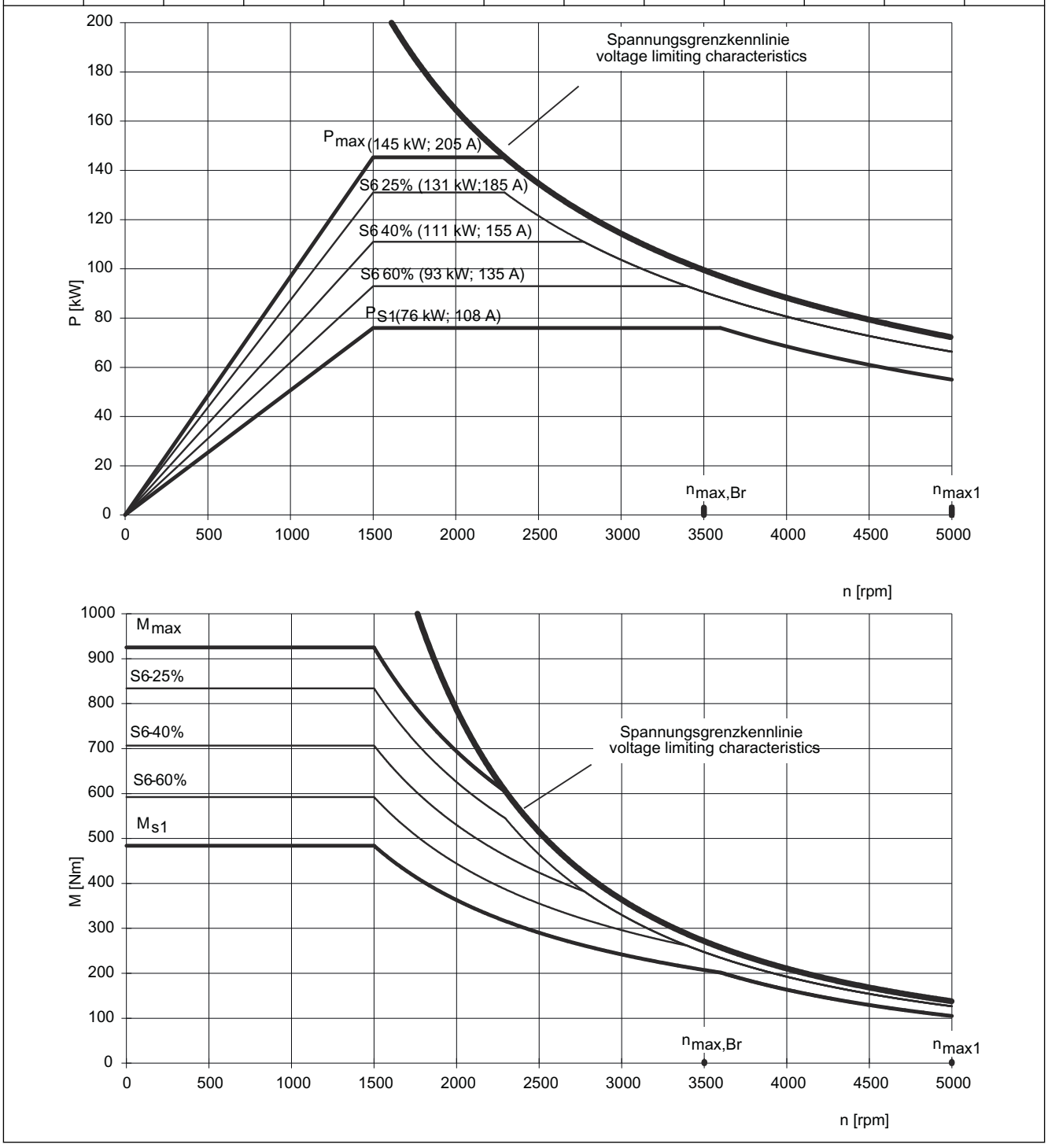


Table 2-74 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□F□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	76	484	162	5,000	-	-	3,500	4,300	925	300	484	162

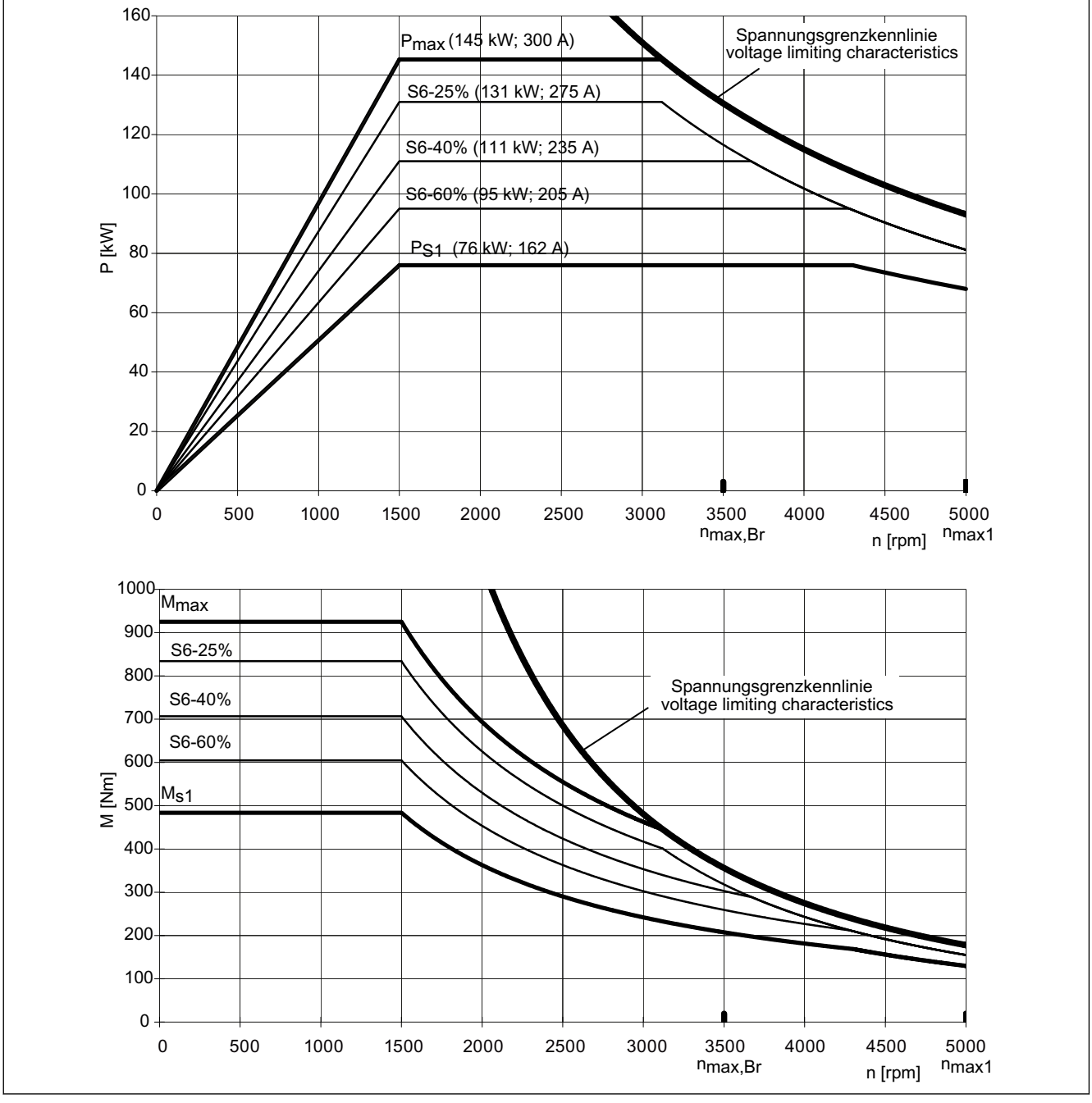
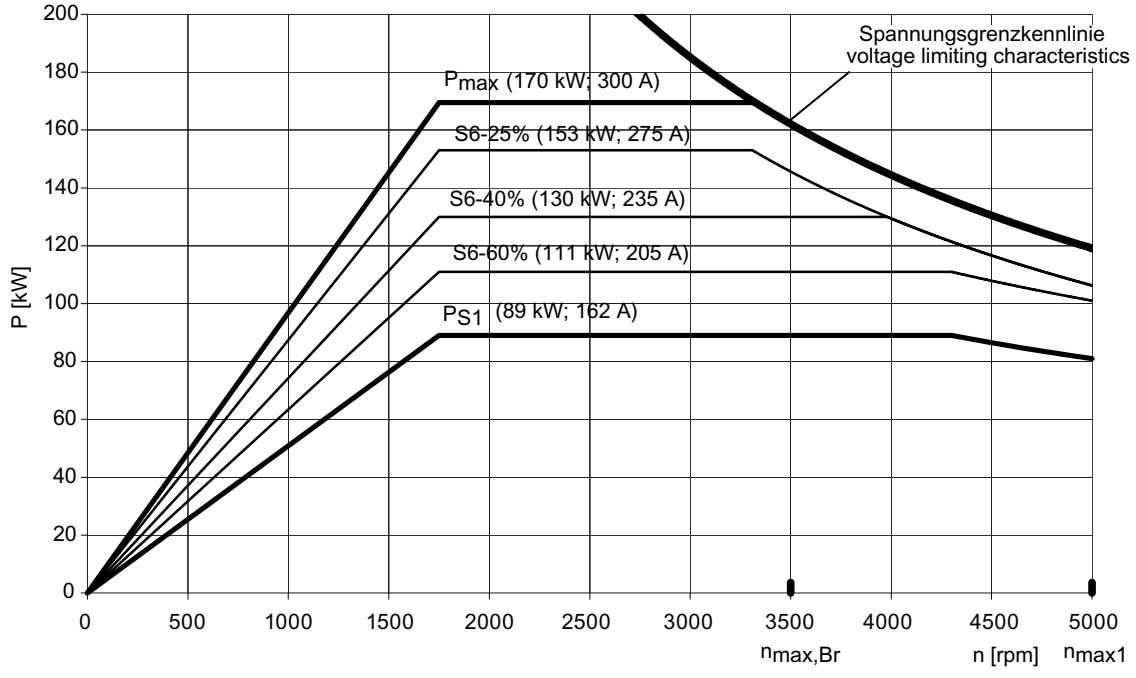


Table 2-75 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8184-□□F□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	89	486	162	5,000	-	-	3,500	4,300	925	300	486	162
1,500	76	484	162					5,000				



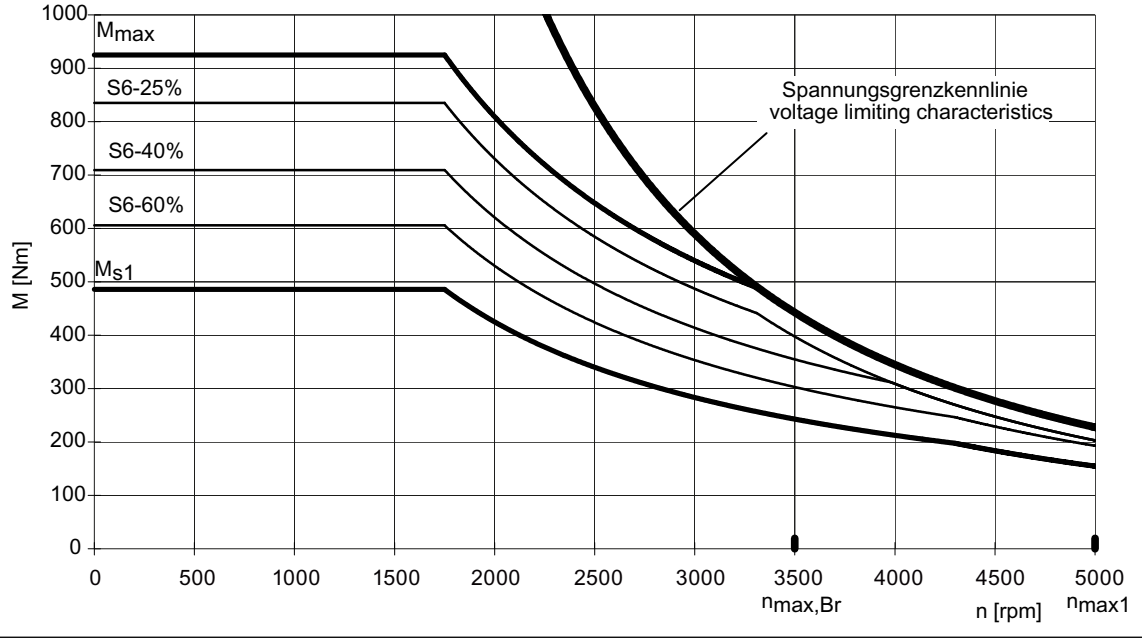


Table 2-76 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□F□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	98	468	156	5,000	-	-	3,500	4,300	925	300	468	156

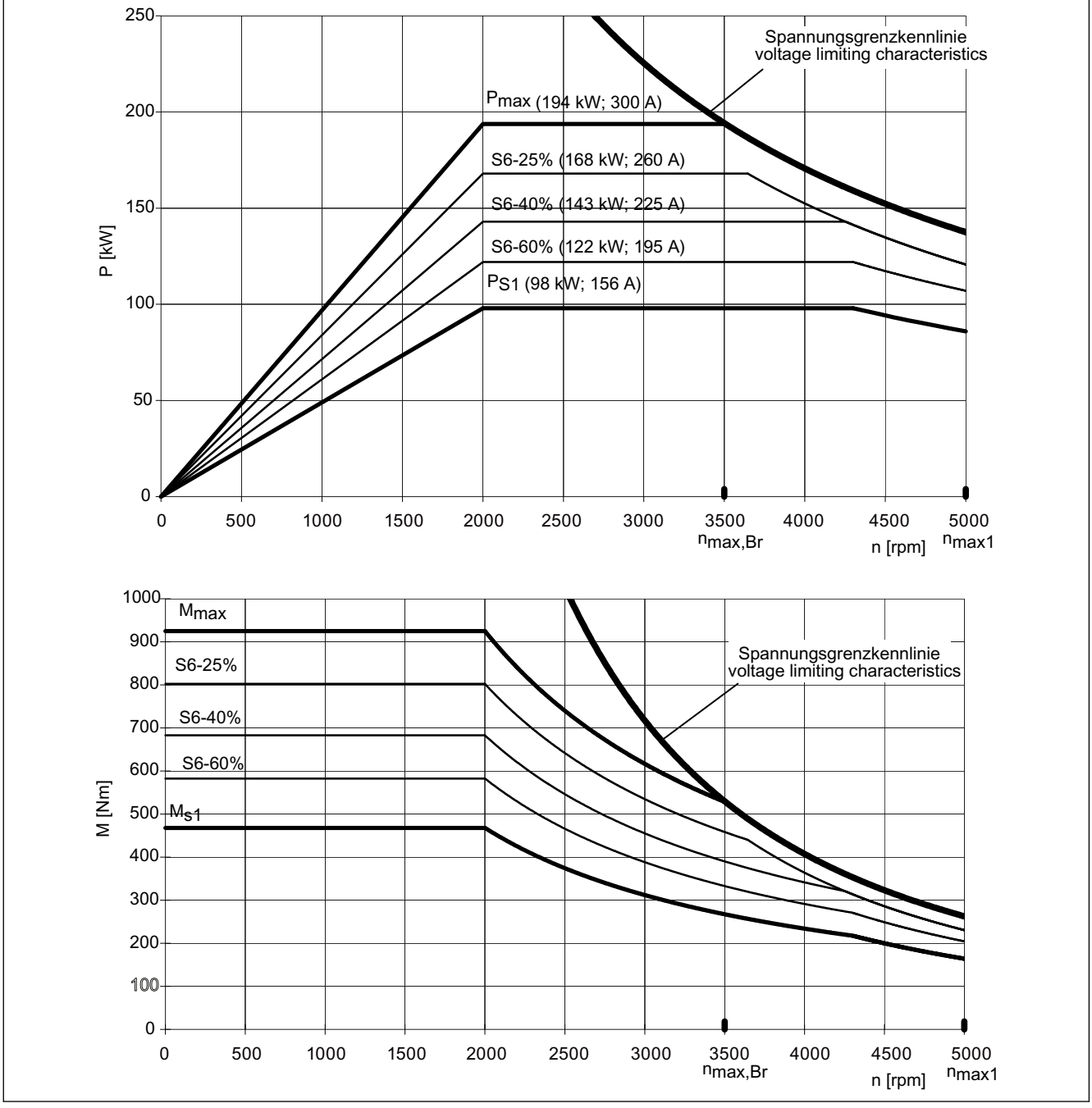


Table 2-77 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8184-□□F□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,200	98	425	144	5,000	-	-	3,500	4,300	925	300	484	144

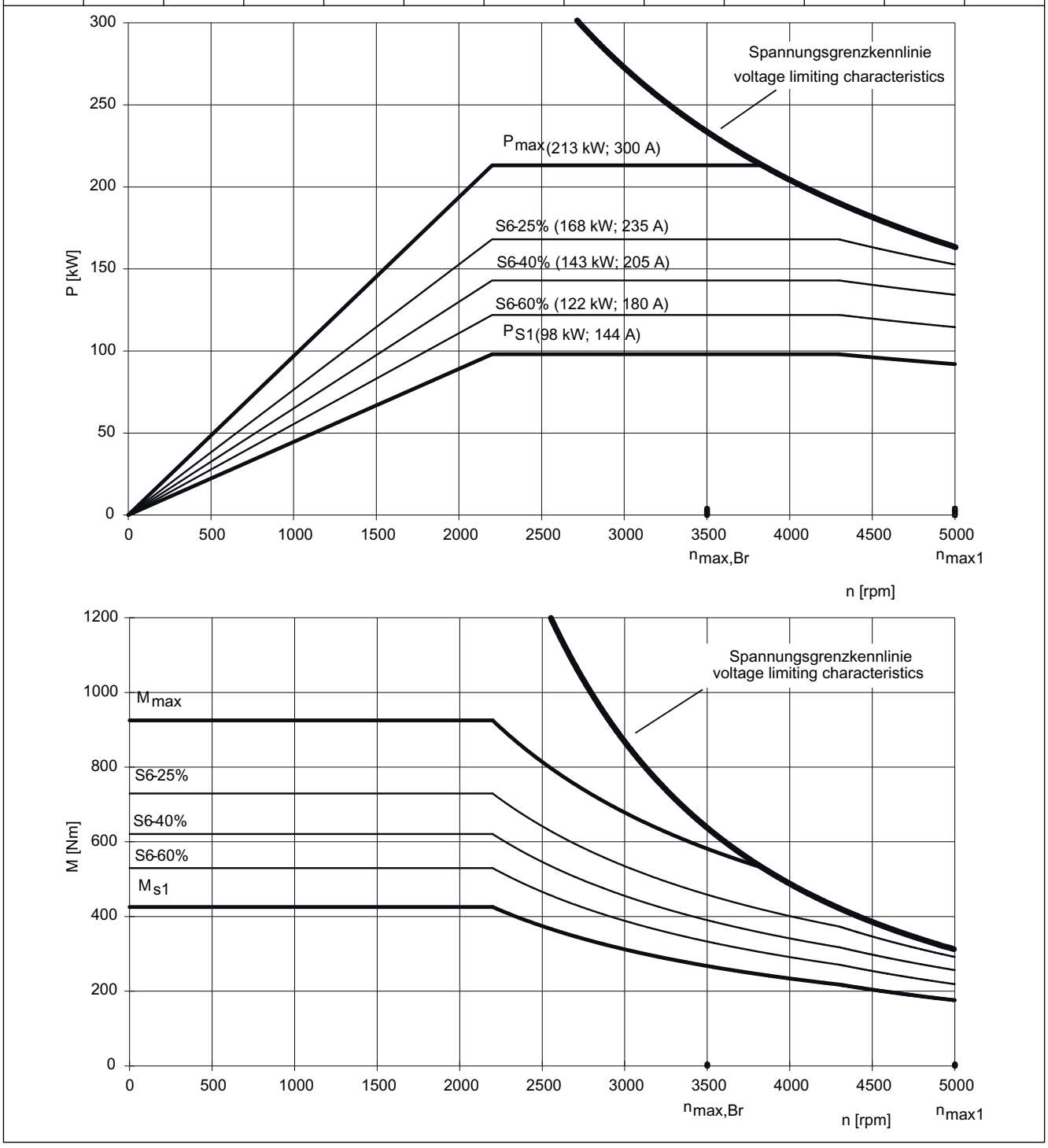
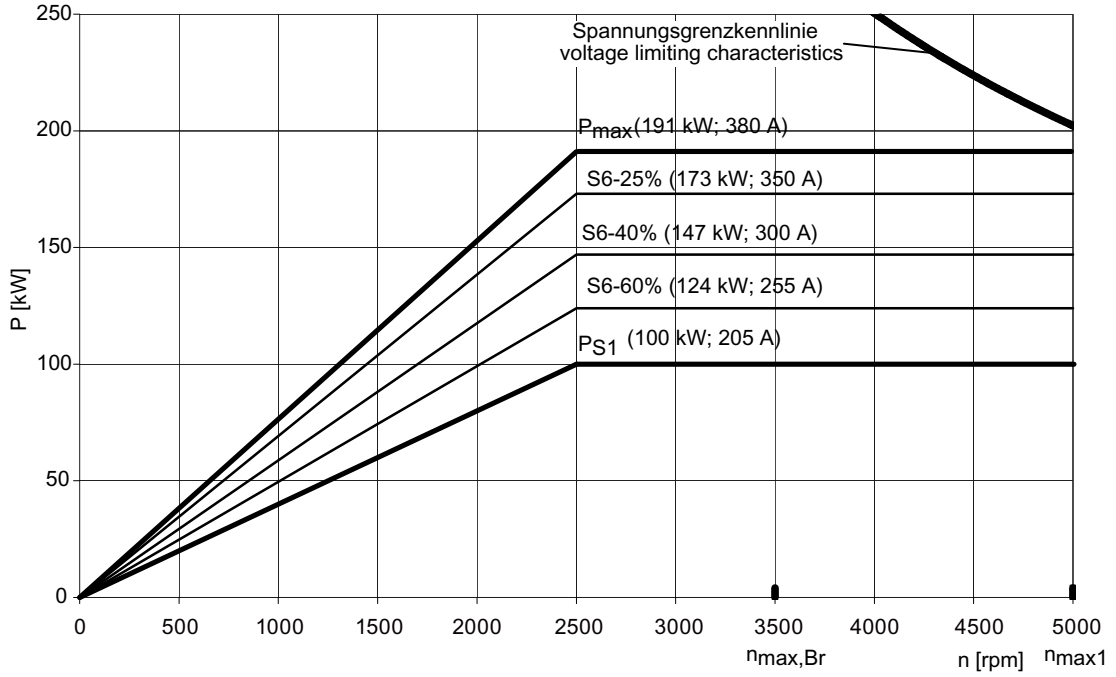


Table 2-78 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□L□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,500	100	382	205	5,000	-	-	3,500	5,000	730	380	382	205



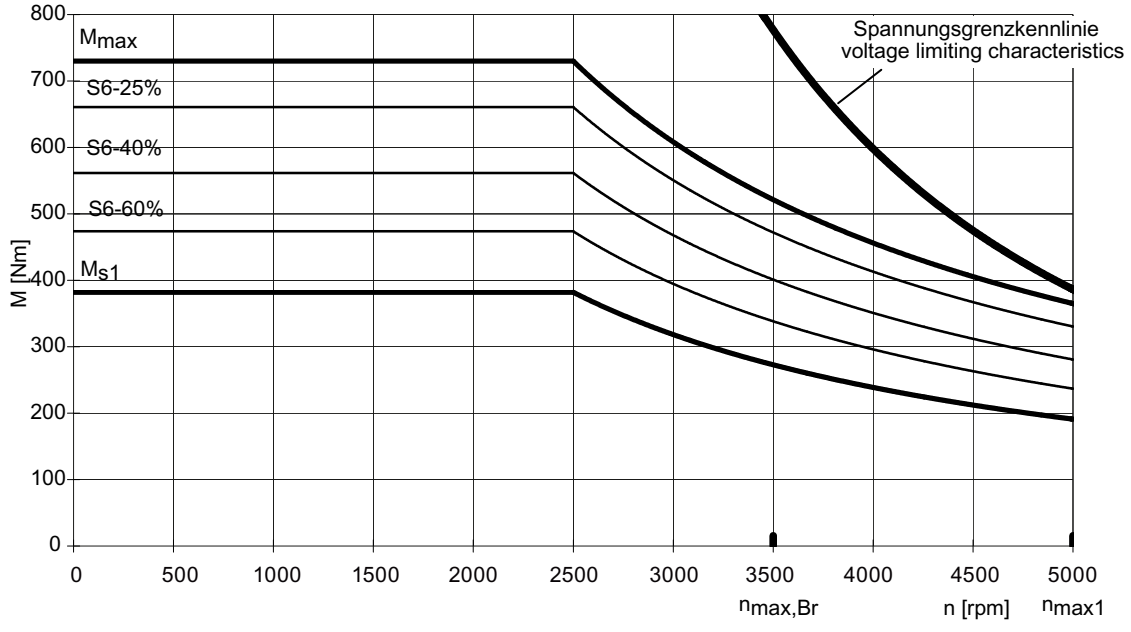
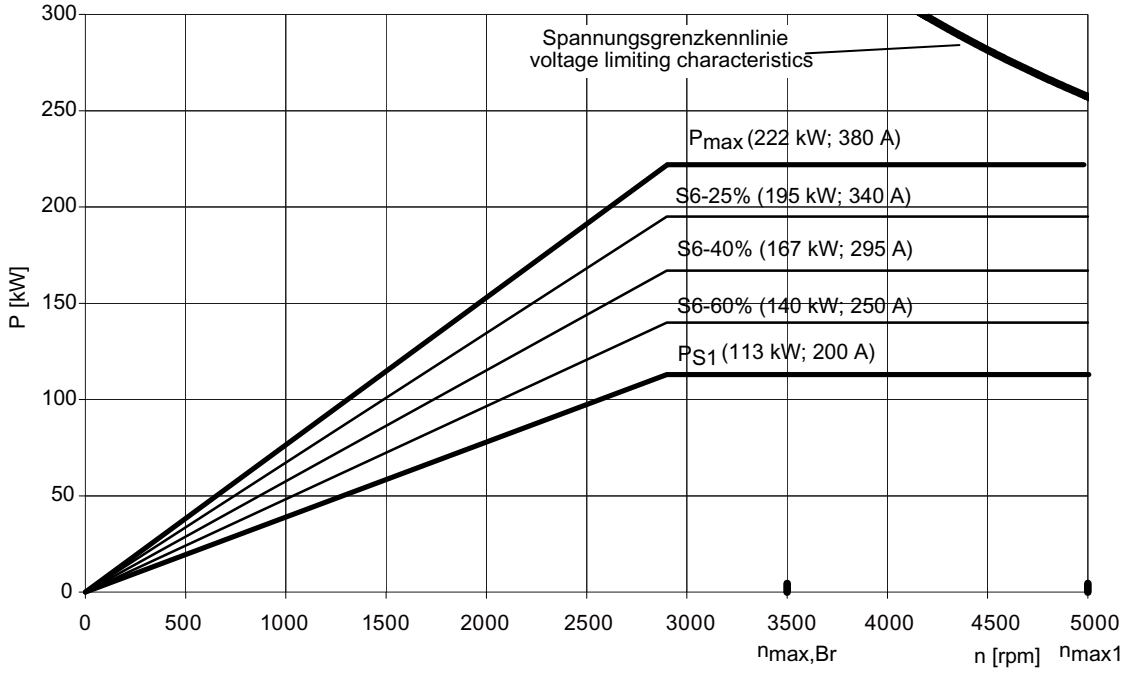


Table 2-79 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8184-□□L□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,900	113	372	200	5,000	-	-	3,500	5,000	730	380	372	200
2,500	100	382	205					5,000				



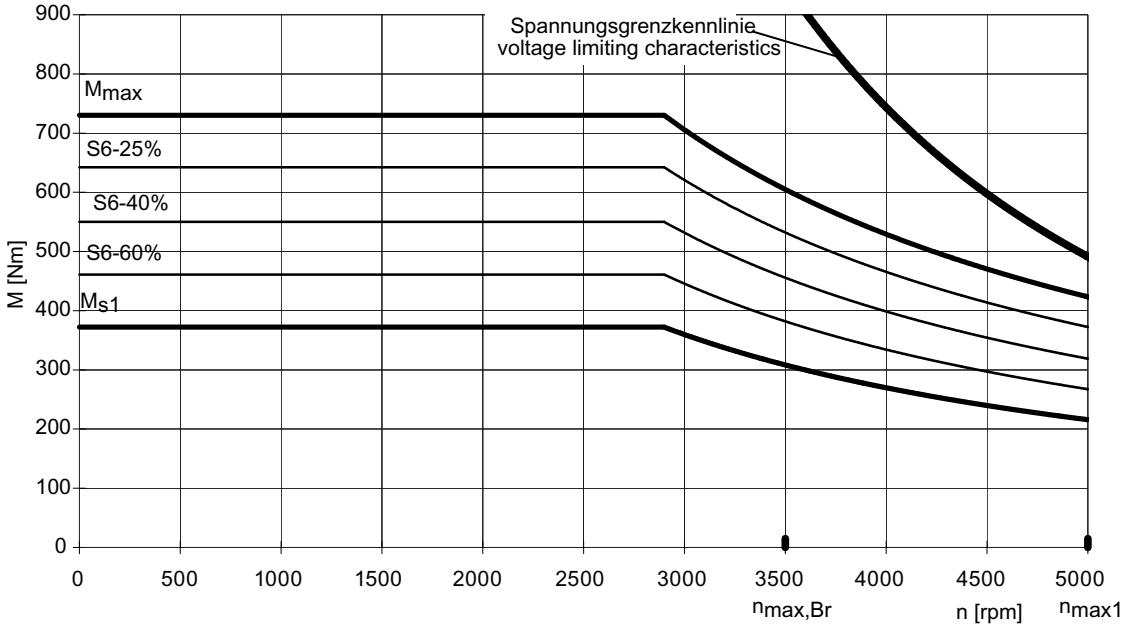
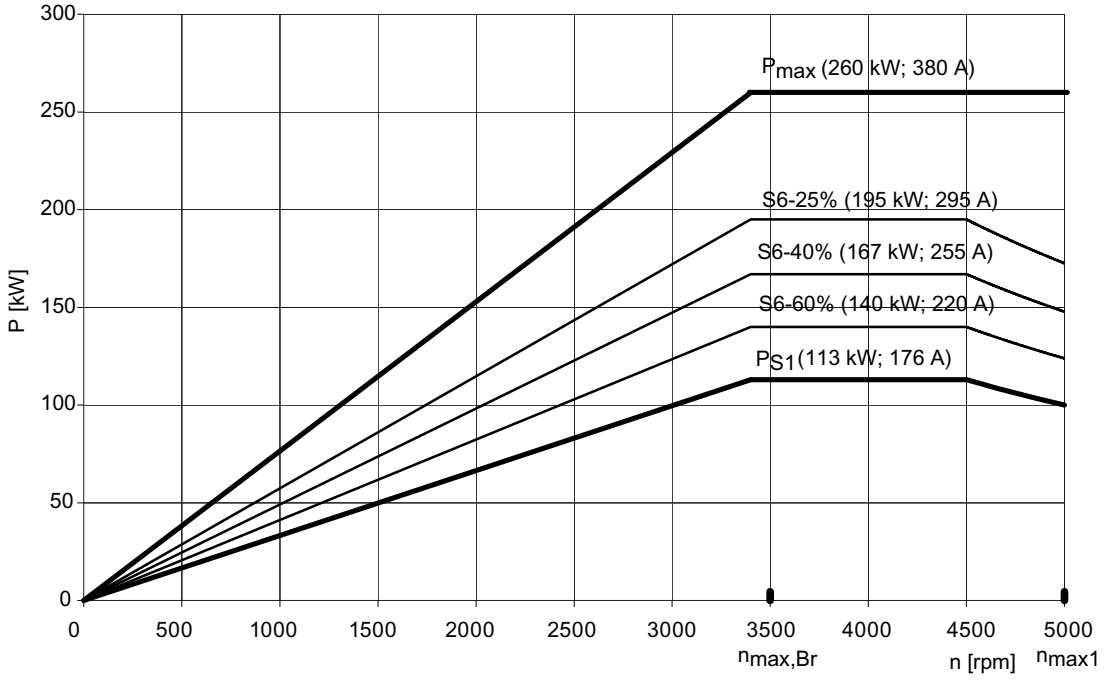


Table 2-80 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8184-□□L□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
3,400	113	317	176	5,000	-	-	3,500	4,500	730	380	317	176



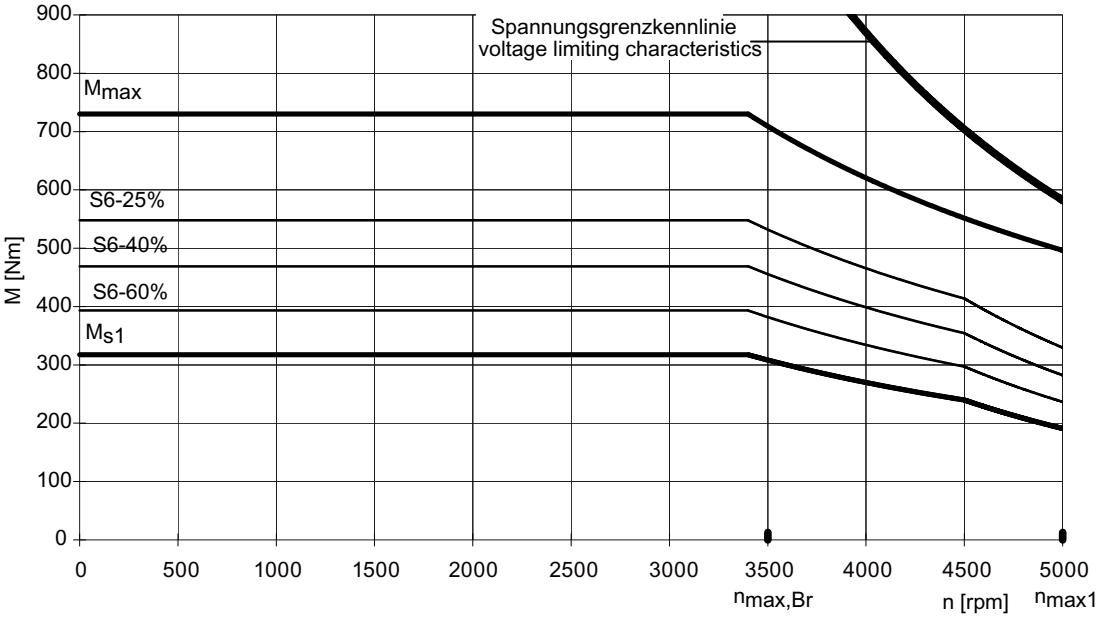


Table 2-81 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□B□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	31.5	752	88	5,000	-	-	3,500	2,100	1,230	144	752	88

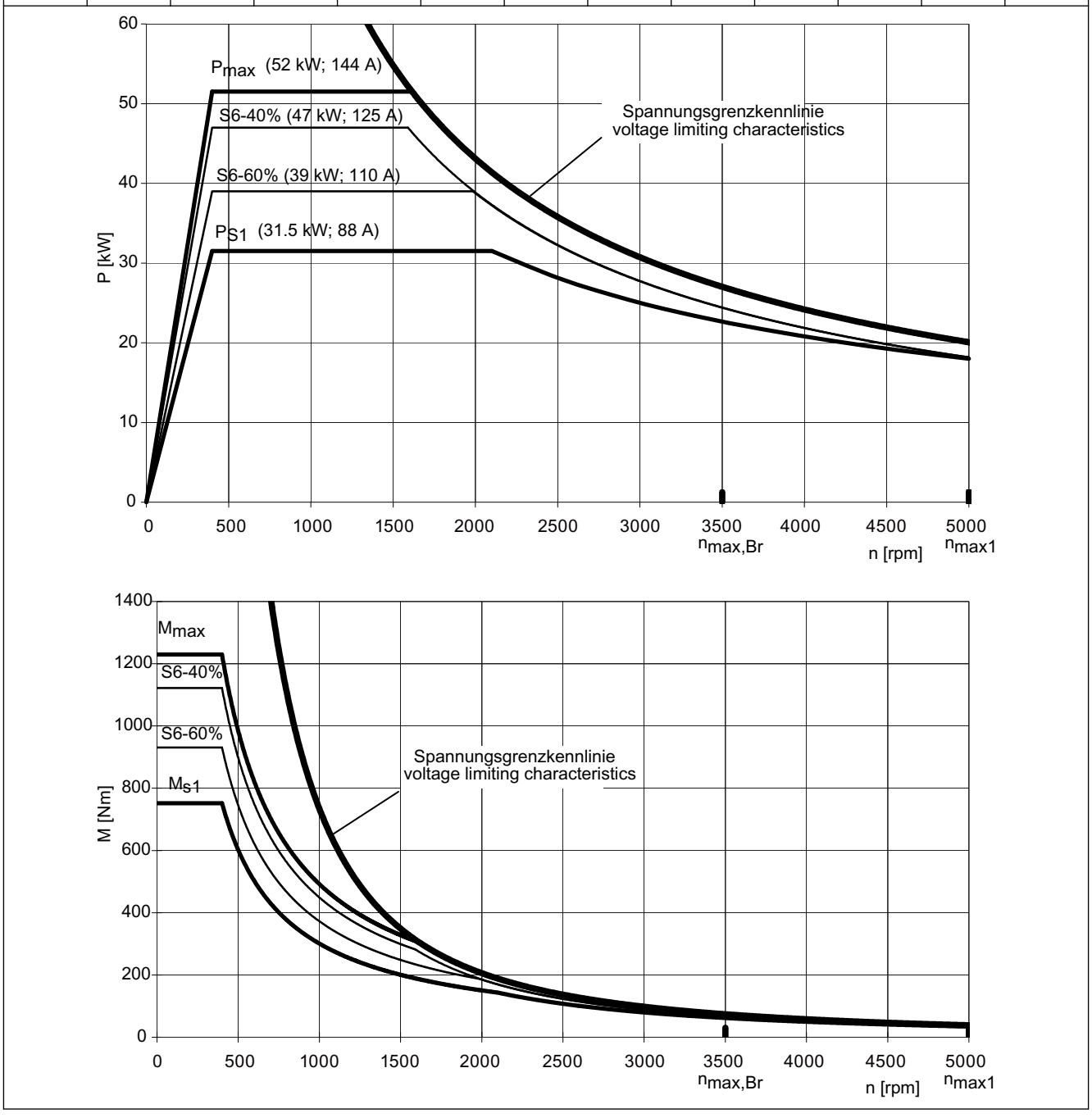
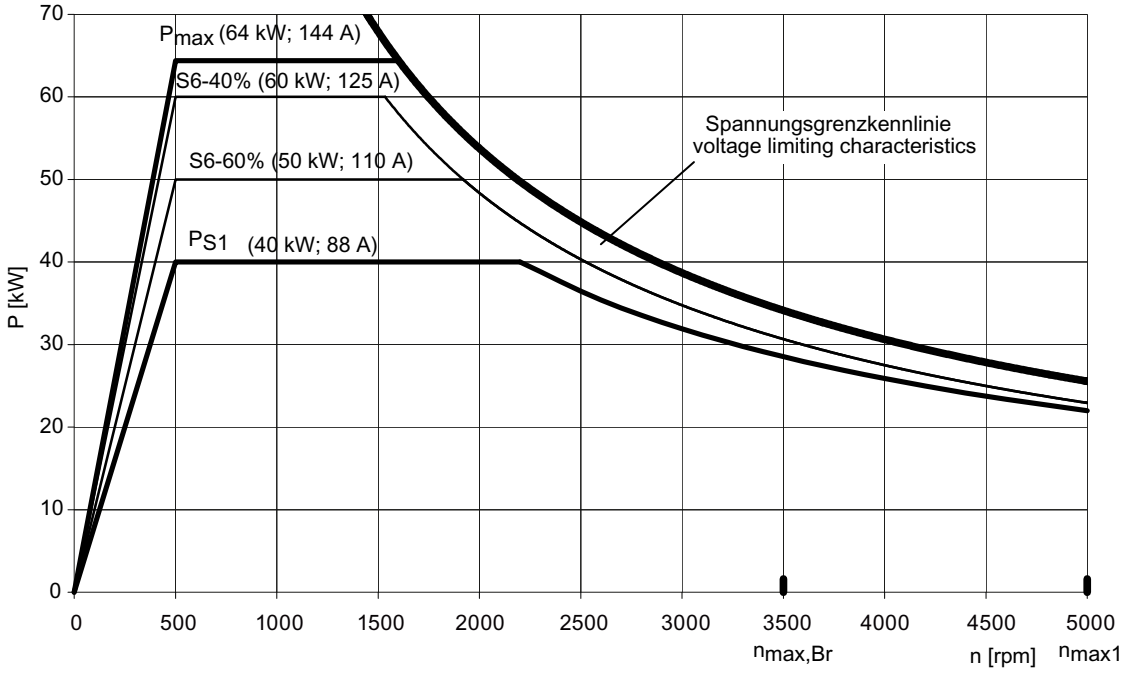


Table 2-82 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8186-□□B□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	40	764	88	5,000	-	-	3,500	2,200	1,230	144	764	88
400	31.5	752	88					3,100				



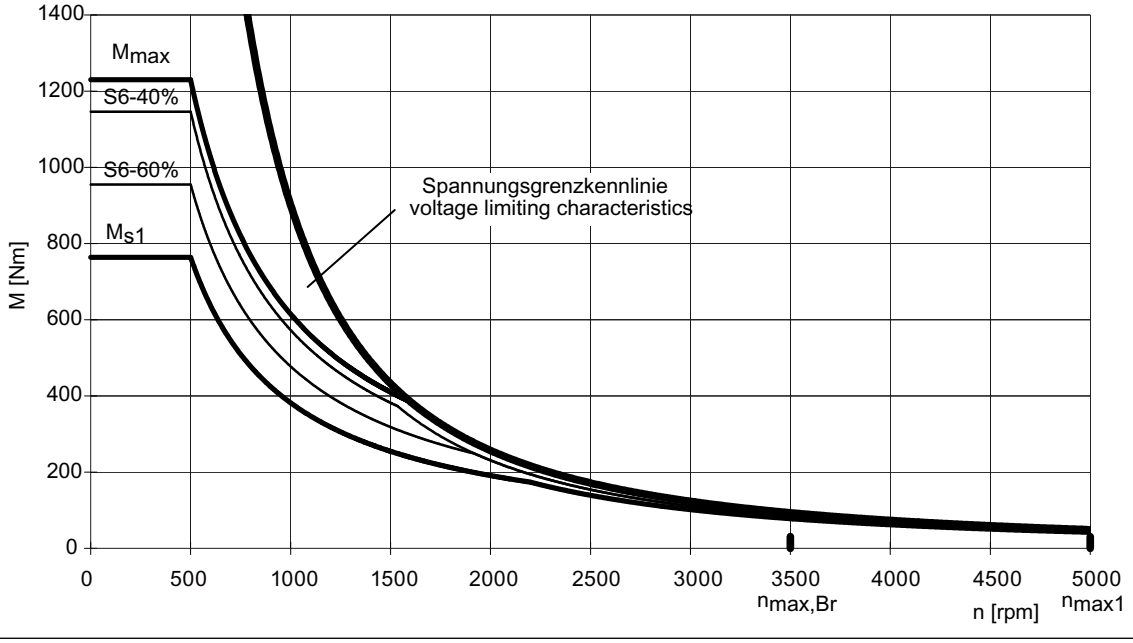


Table 2-83 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□B□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	48	764	88	5,000	-	-	3,500	2,300	1,230	144	764	88

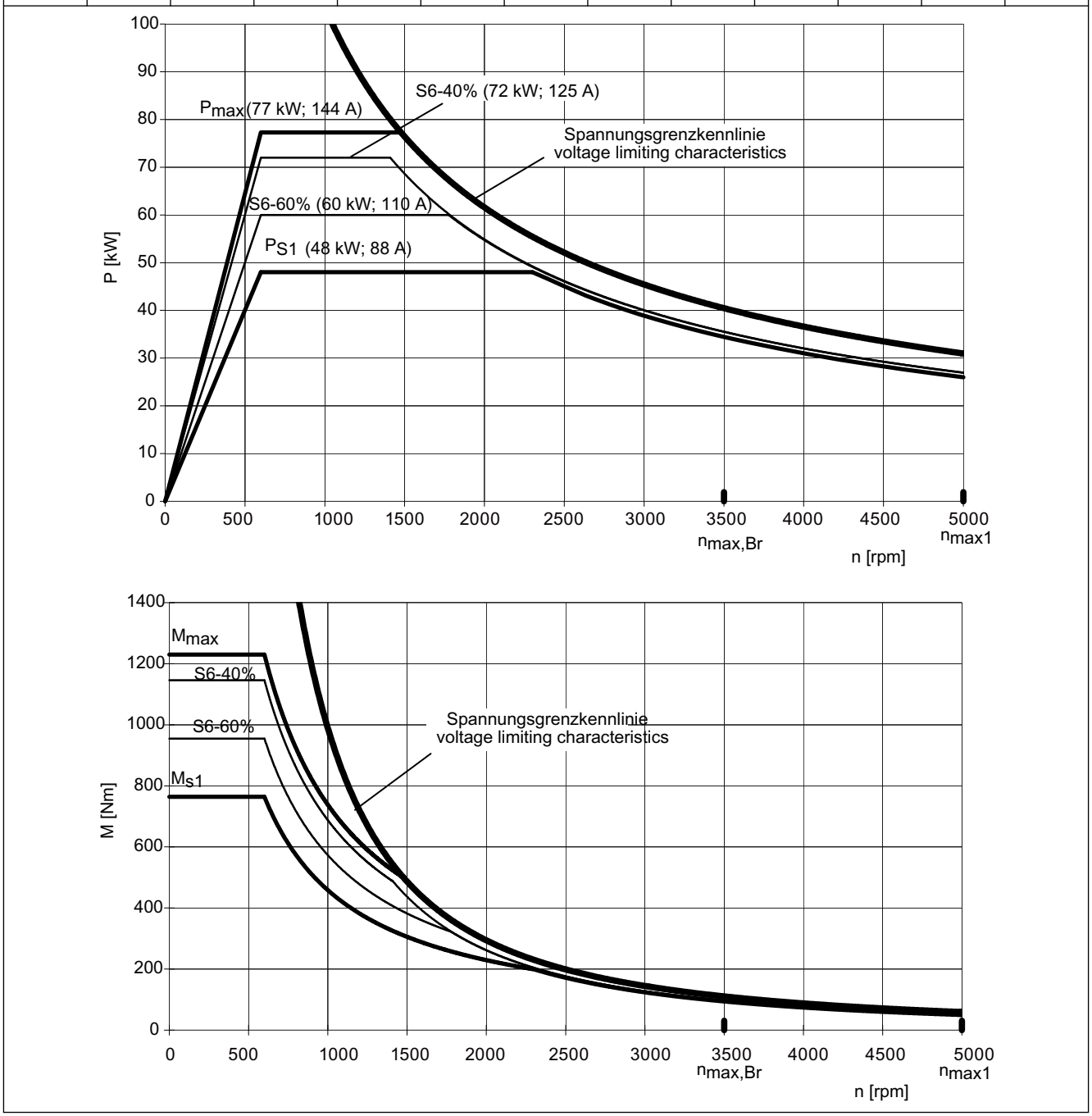
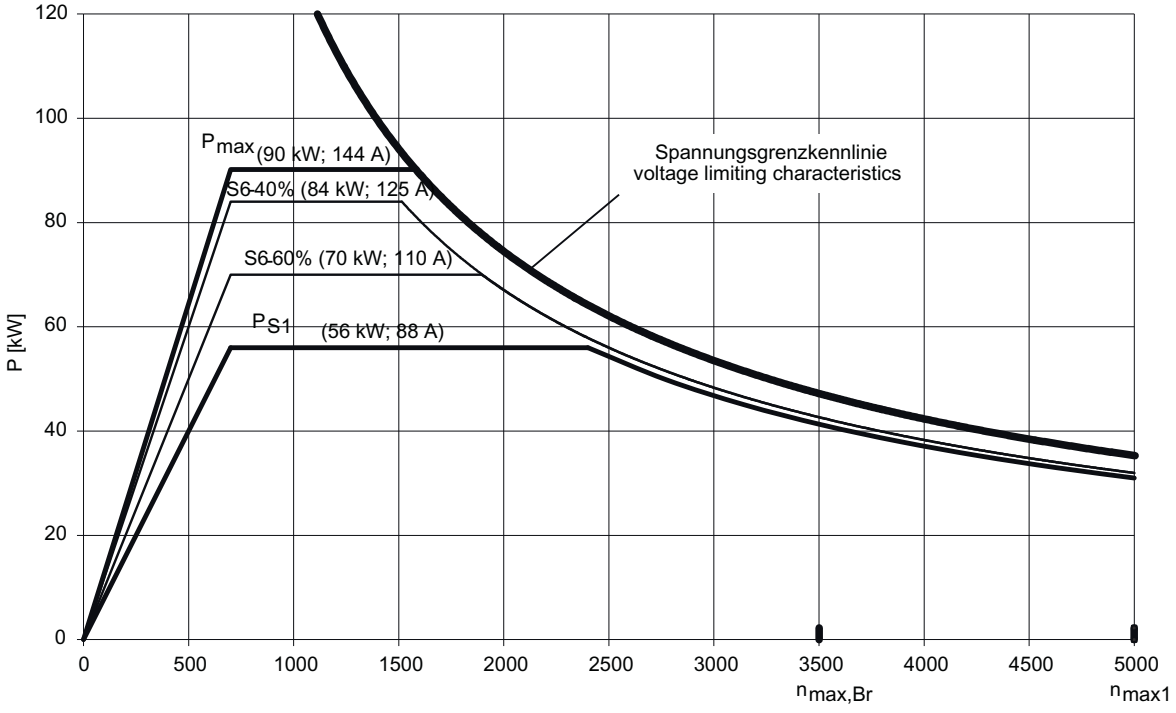


Table 2-84 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8186-□□B□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	56	764	88	5,000	-	-	3,500	2,400	1,230	144	752	88



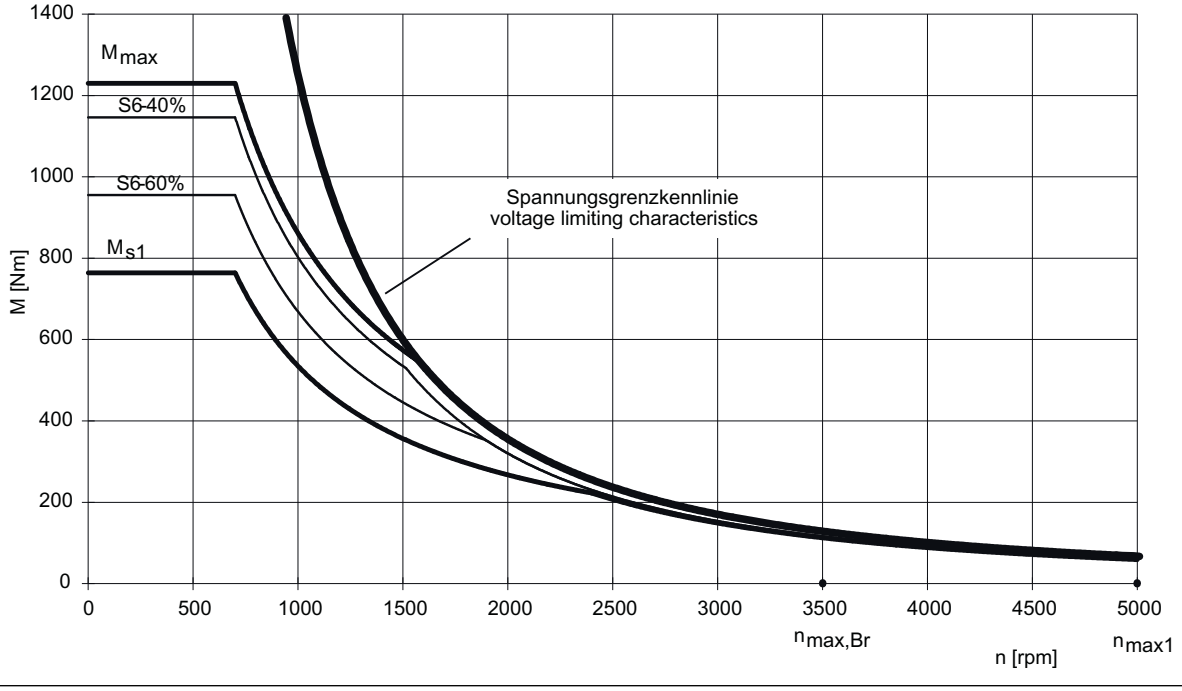
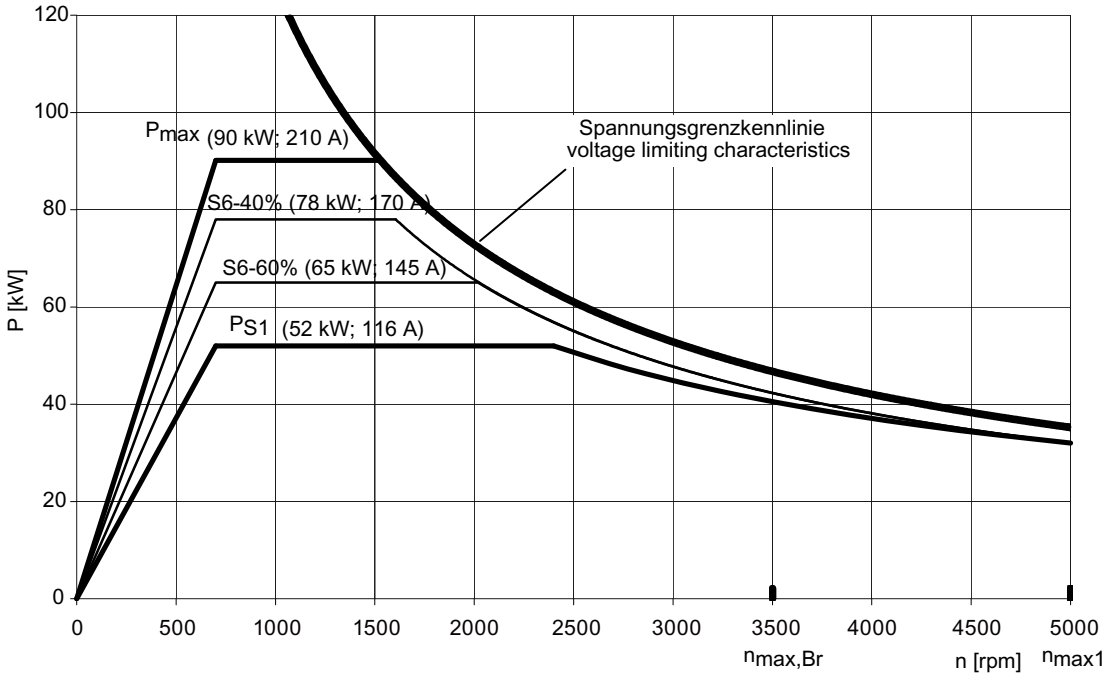


Table 2-85 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□C□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	52	709	116	5,000	-	-	3,500	2,400	1,230	210	709	116



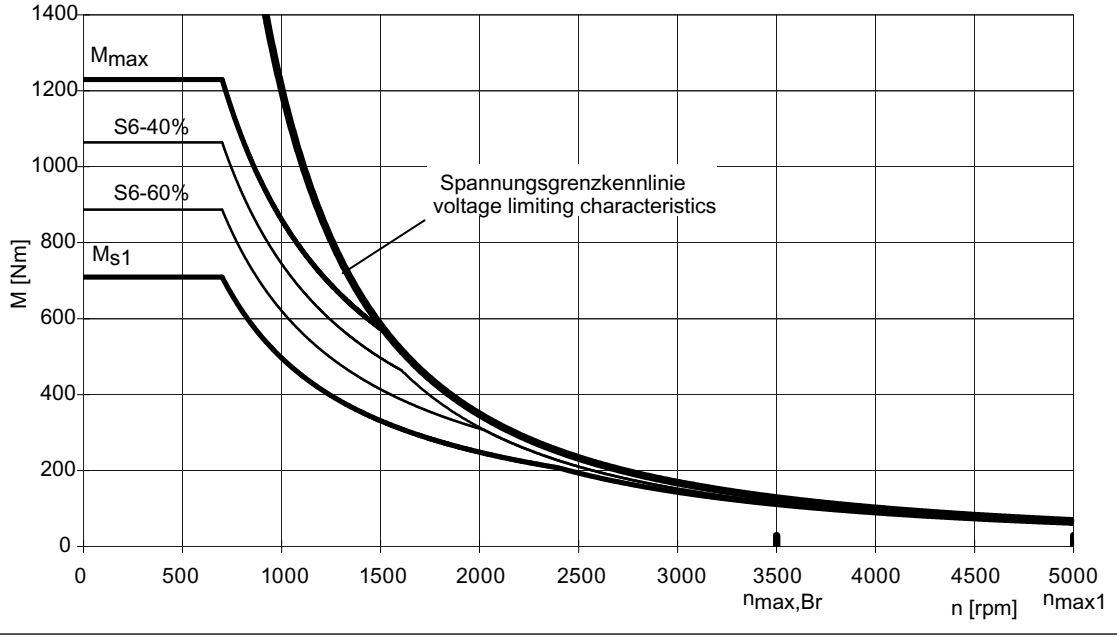
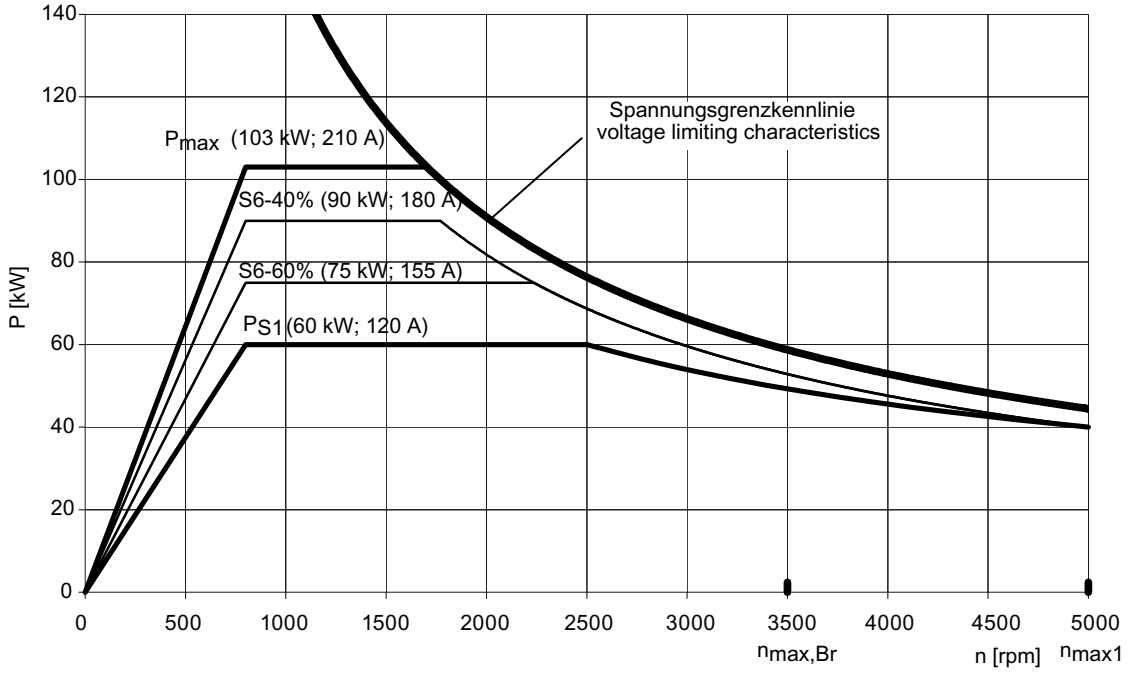


Table 2-86 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8186-□□C□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	60	716	120	5,000	-	-	3,500	2,500	1,230	210	716	120
700	52	709	116					3,200				



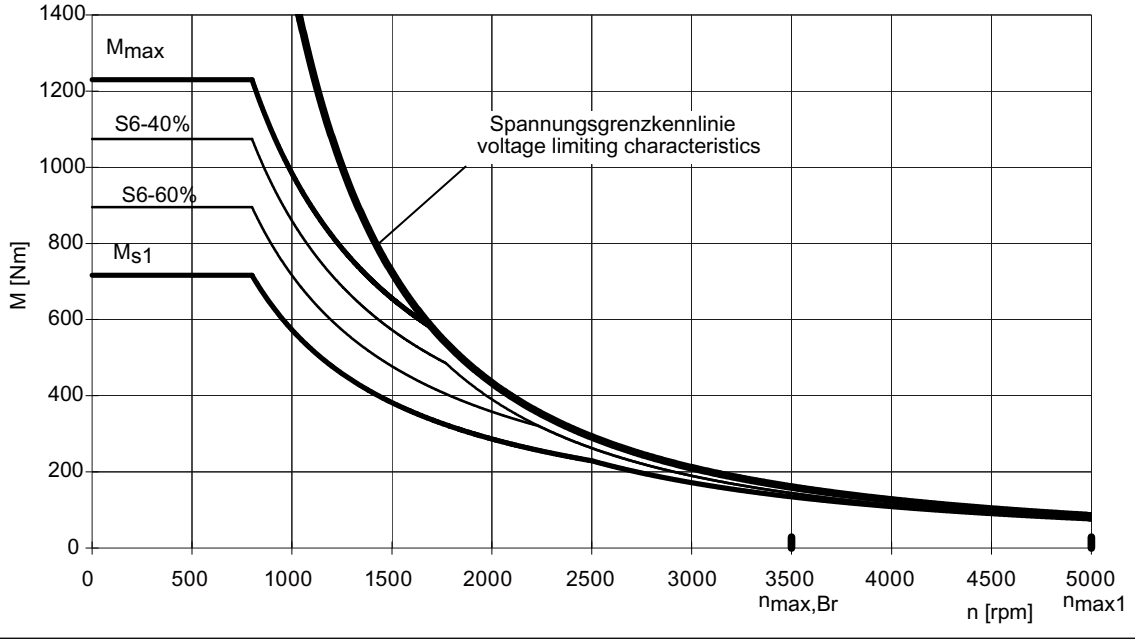


Table 2-87 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□C□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	74	707	116	5,000	-	-	3,500	2,600	1,230	210	707	116

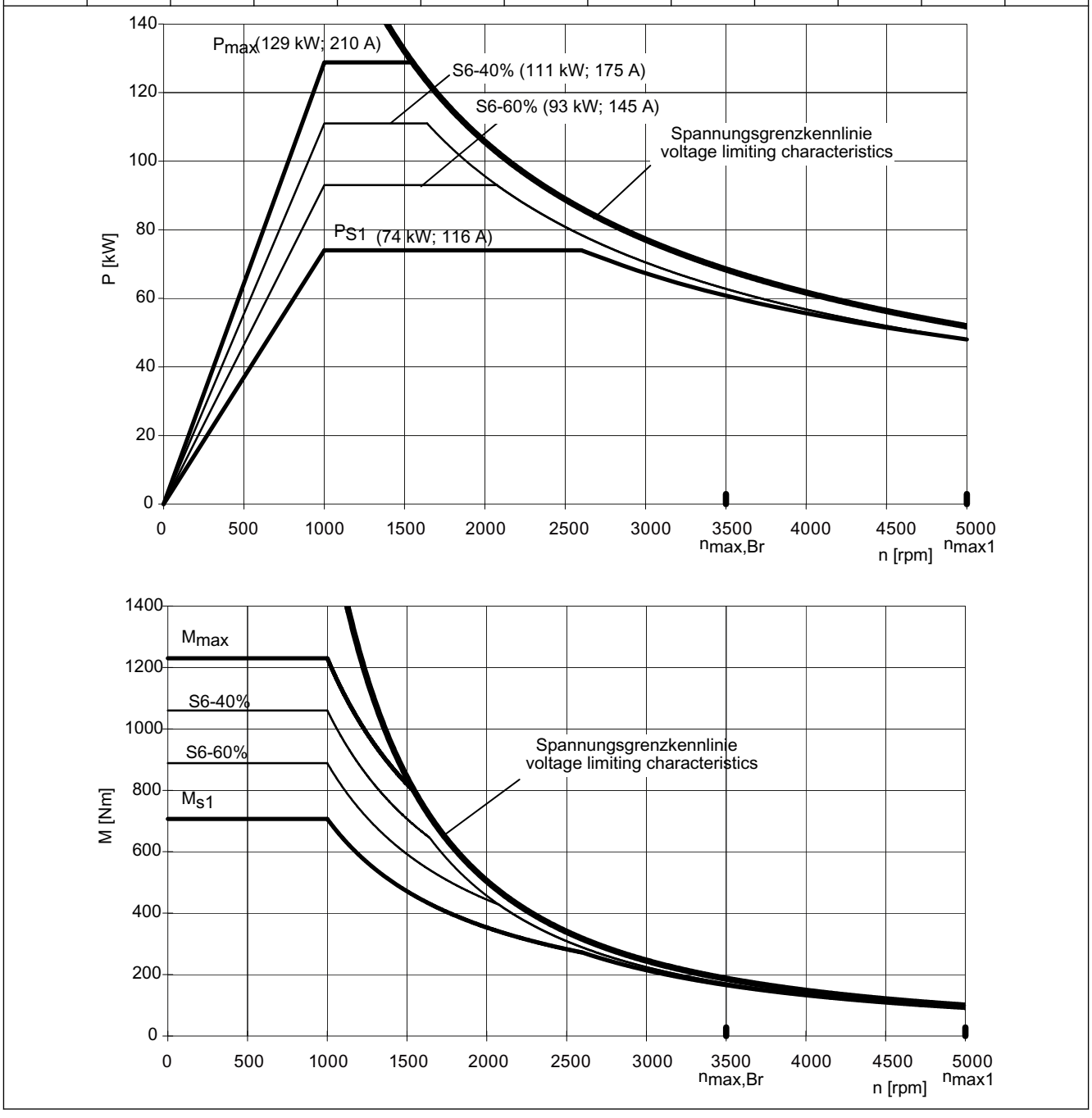


Table 2-88 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8186-□□C□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,100	80	695	114	5,000	-	-	3,500	2,800	1,230	210	709	114

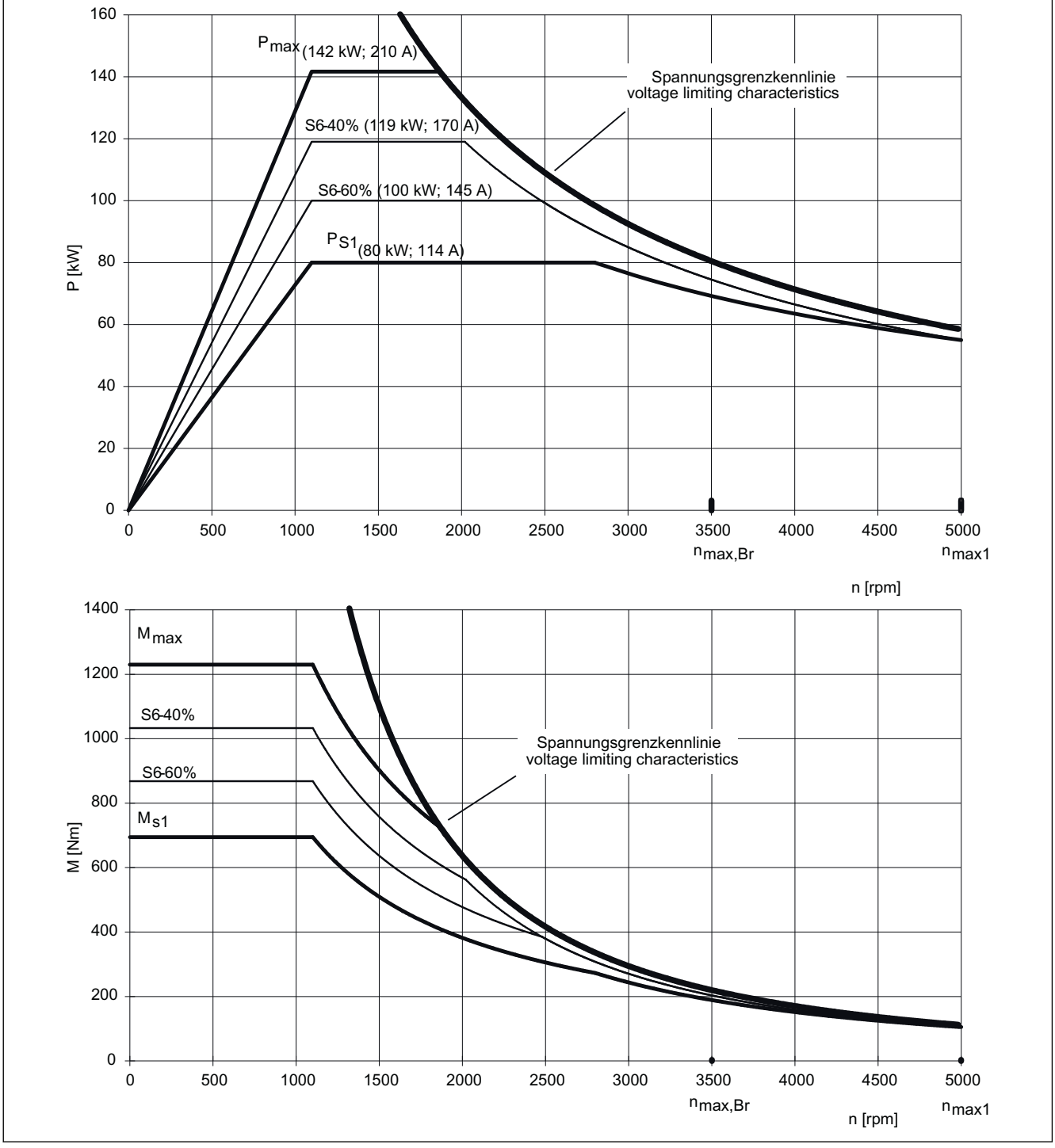
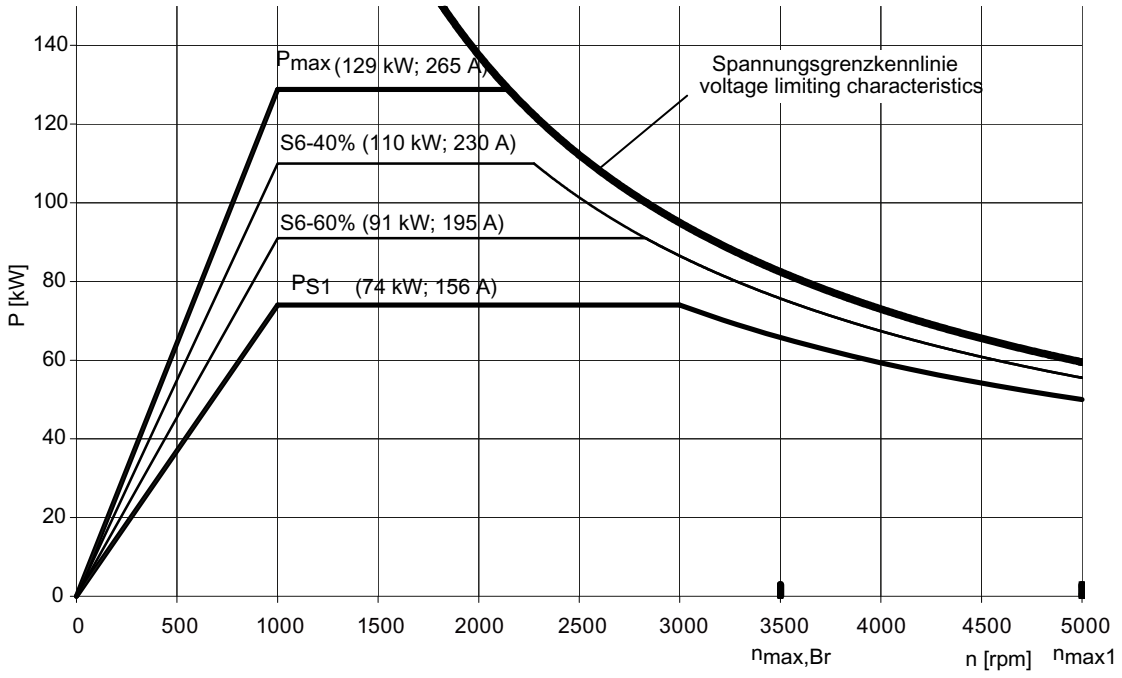


Table 2-89 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□D□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	74	707	156	5,000	-	-	3,500	3,000	1,230	265	707	156



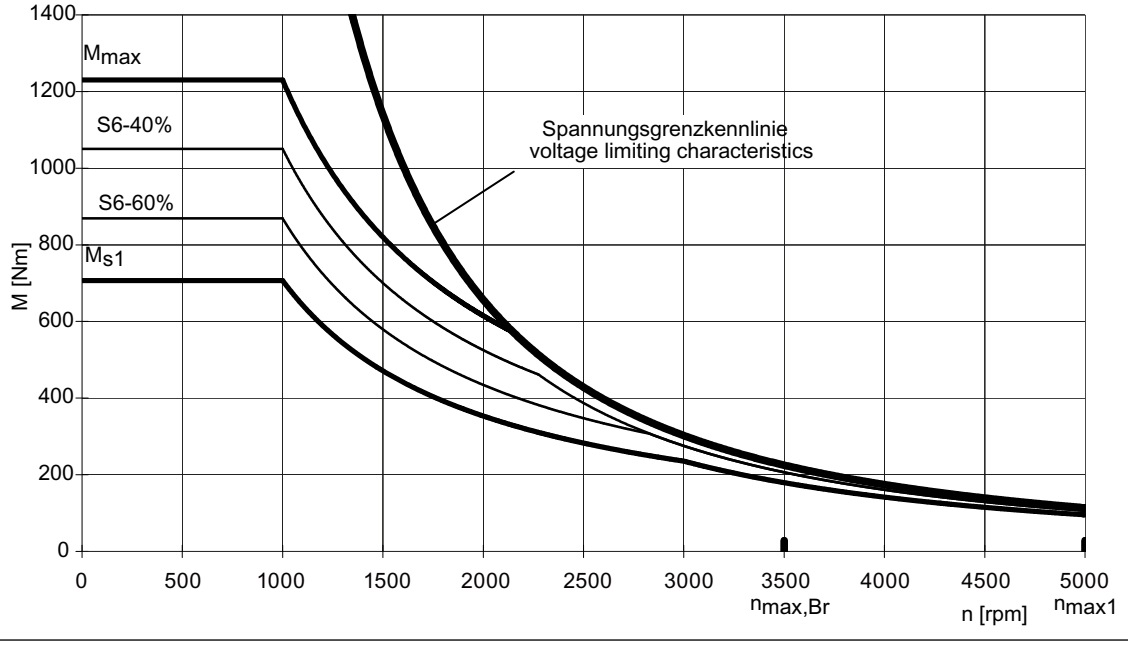
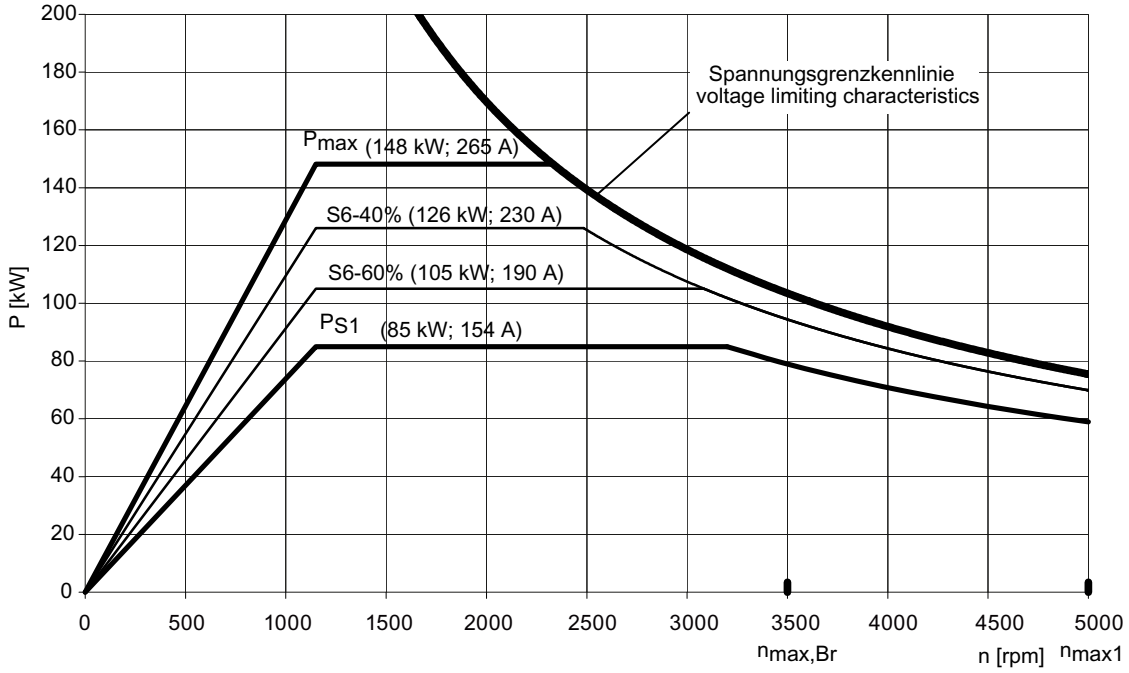


Table 2-90 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8186-□□D□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	85	706	154	5,000	-	-	3,500	3,200	1,230	265	706	154
1,000	74	707	156					3,800				



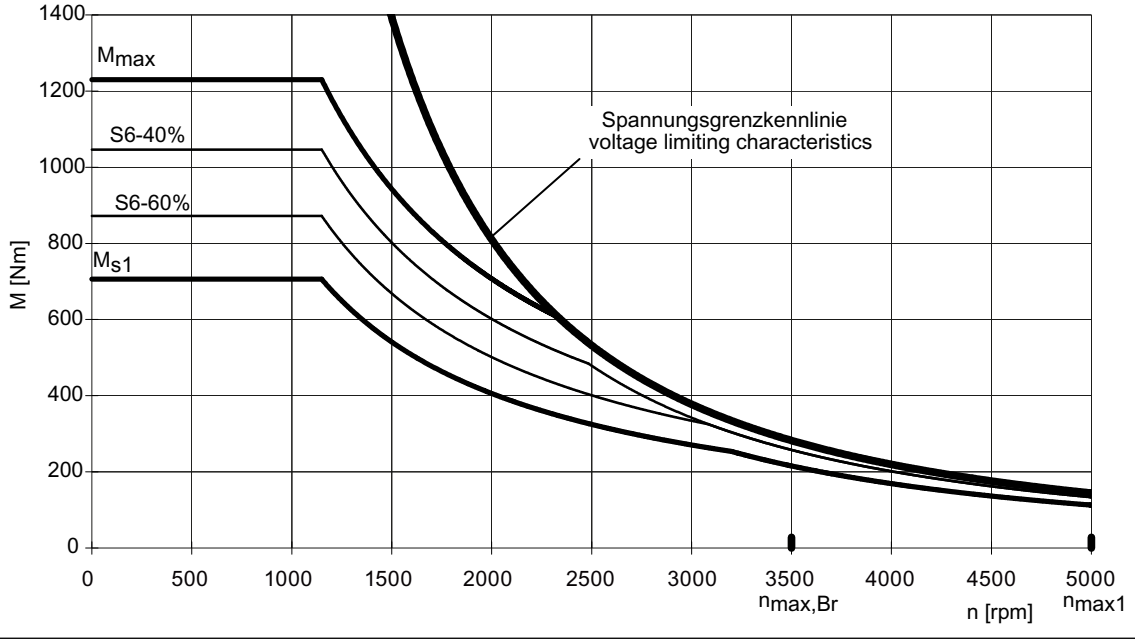


Table 2-91 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□D□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	98	693	152	5,000	-	-	3,500	3,300	1,230	265	693	152

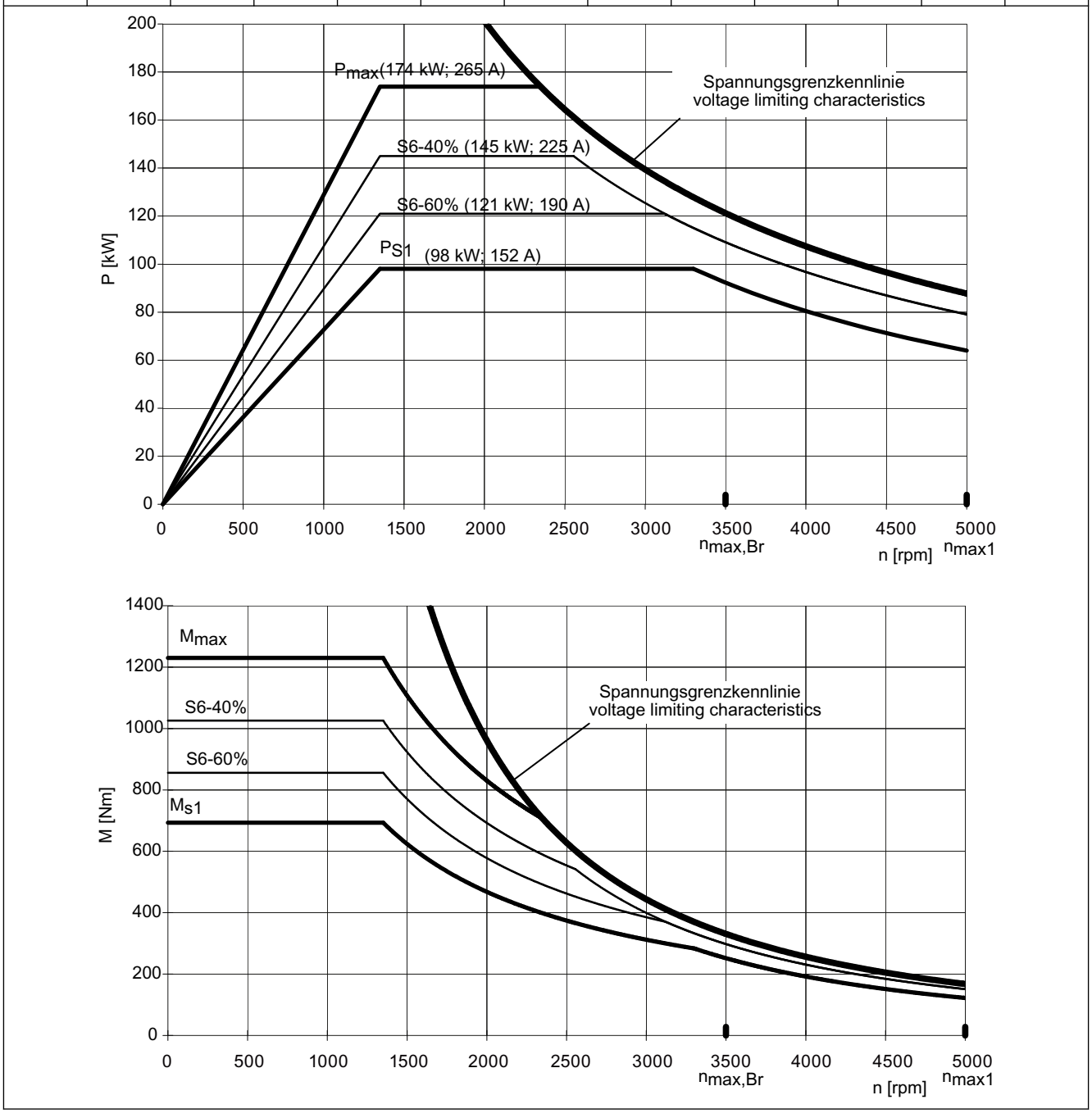
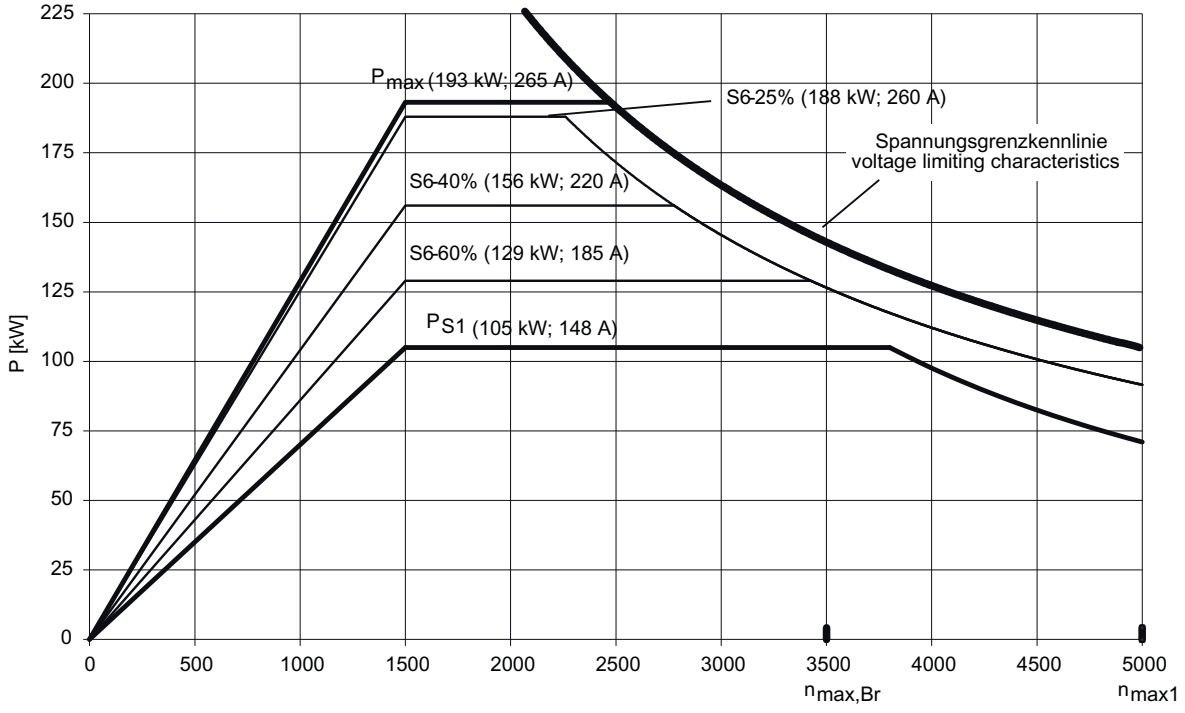


Table 2-92 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8186-□□D□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	105	669	148	5,000	-	-	3,500	3,800	1,230	265	707	148



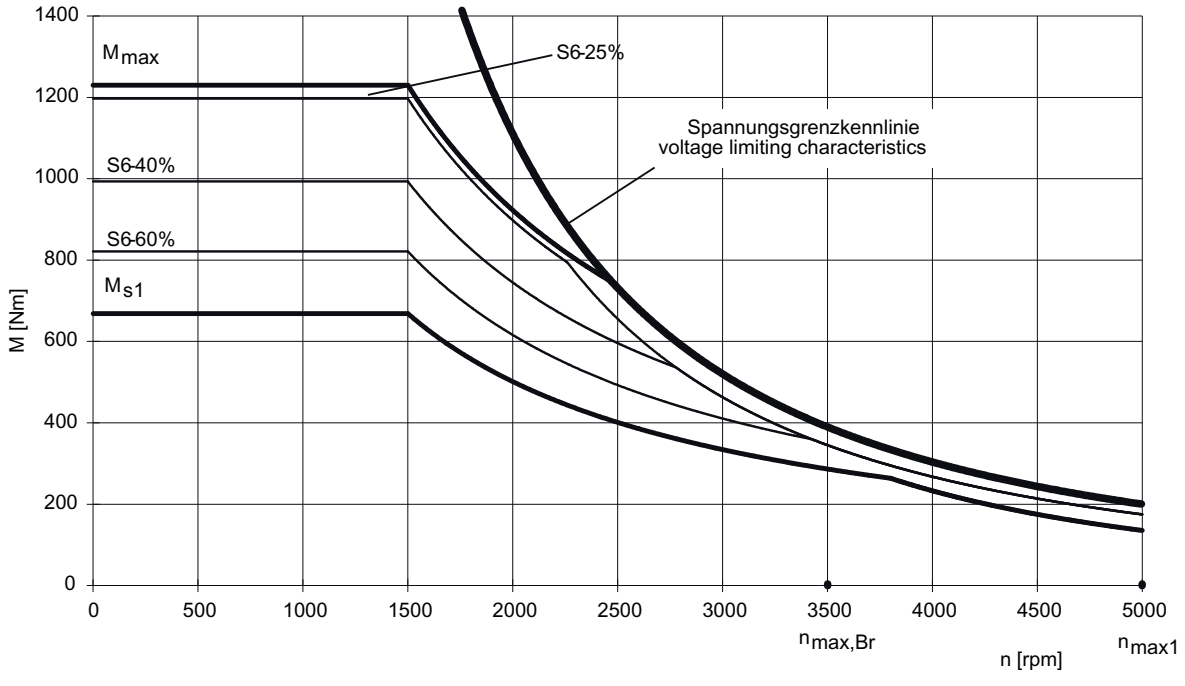
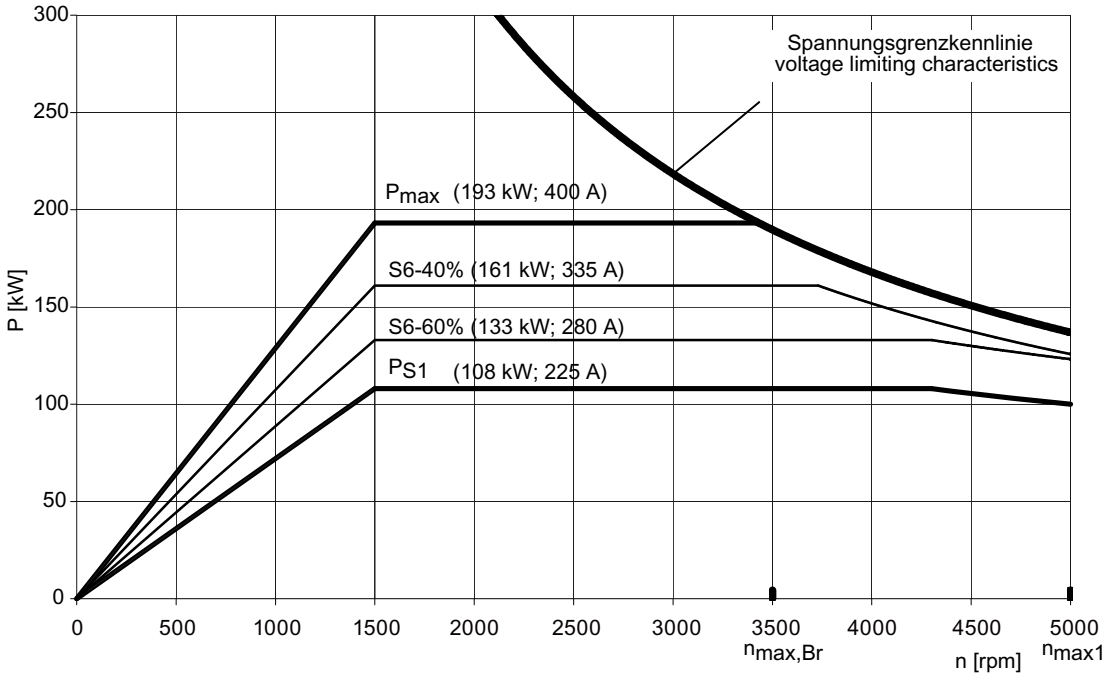


Table 2-93 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□F□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	108	688	225	5,000	-	-	3,500	4,300	1,230	400	688	225



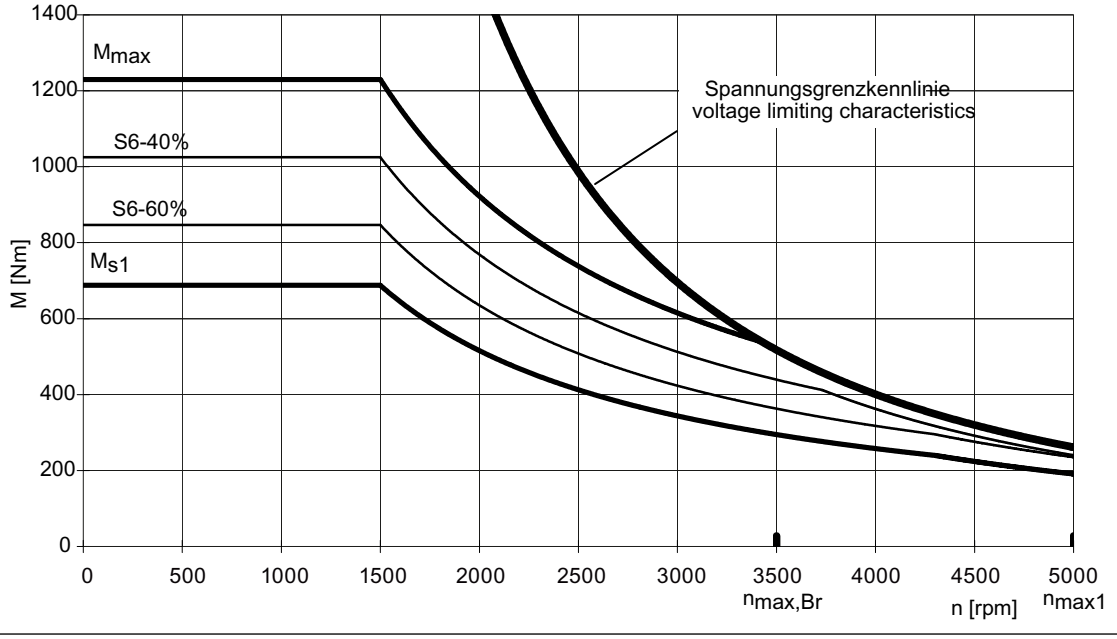
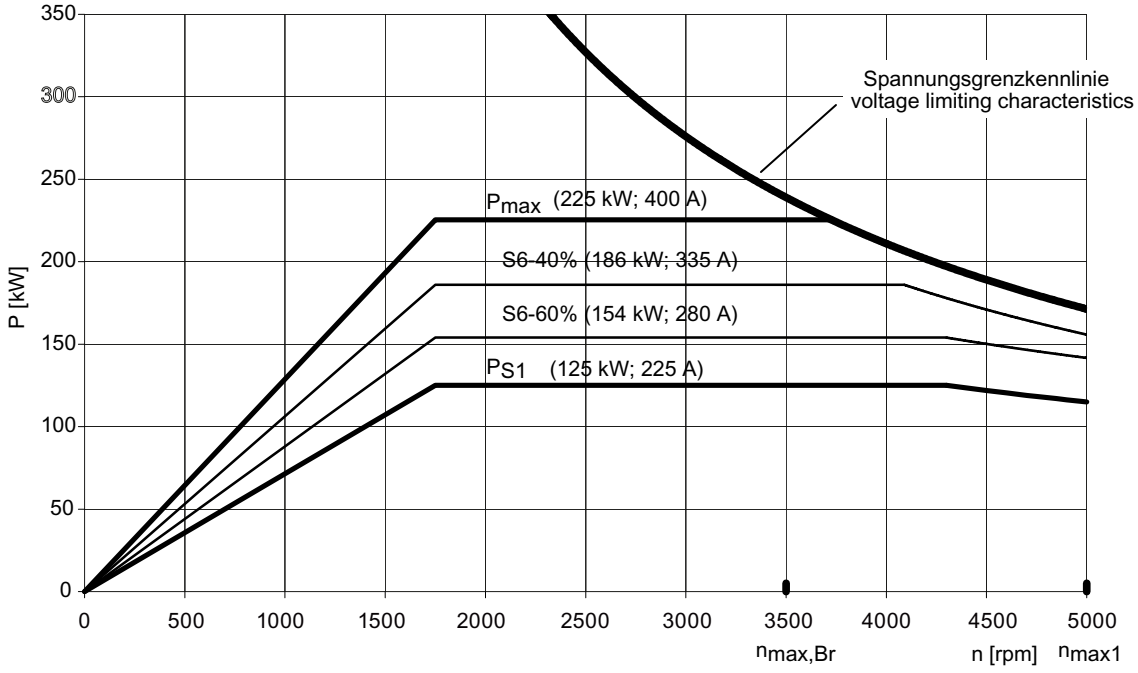


Table 2-94 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8186-□□F□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	125	682	225	5,000	-	-	3,500	4,300	1,230	400	682	225
1,500	108	688	225					5,000				



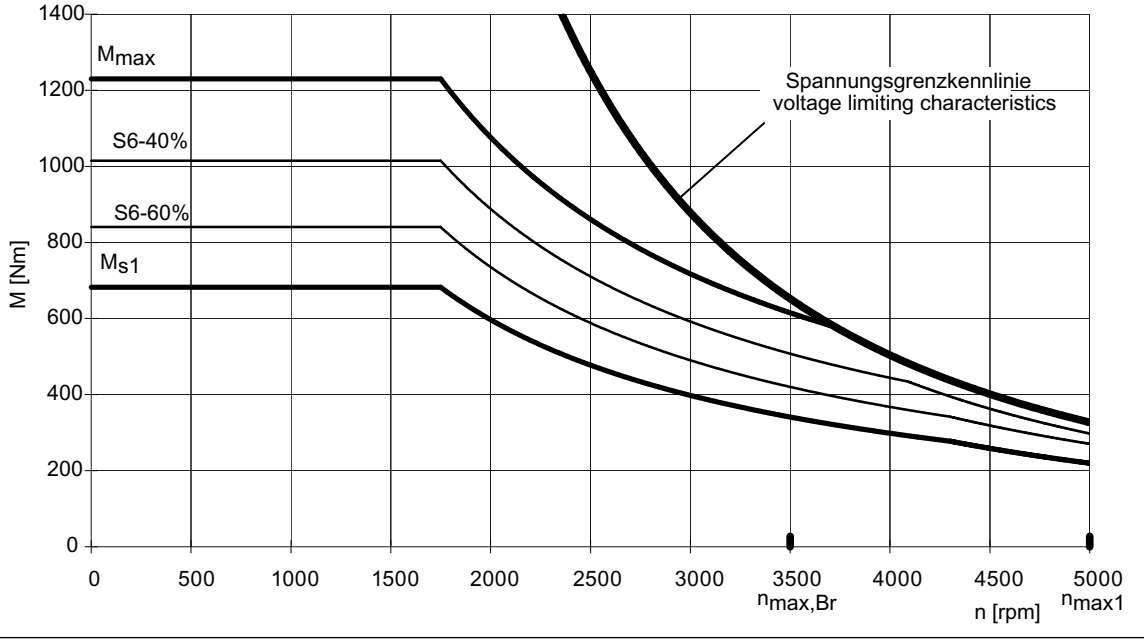


Table 2-95 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□F□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	135	645	210	5,000	-	-	3,500	4,300	1,230	400	645	210

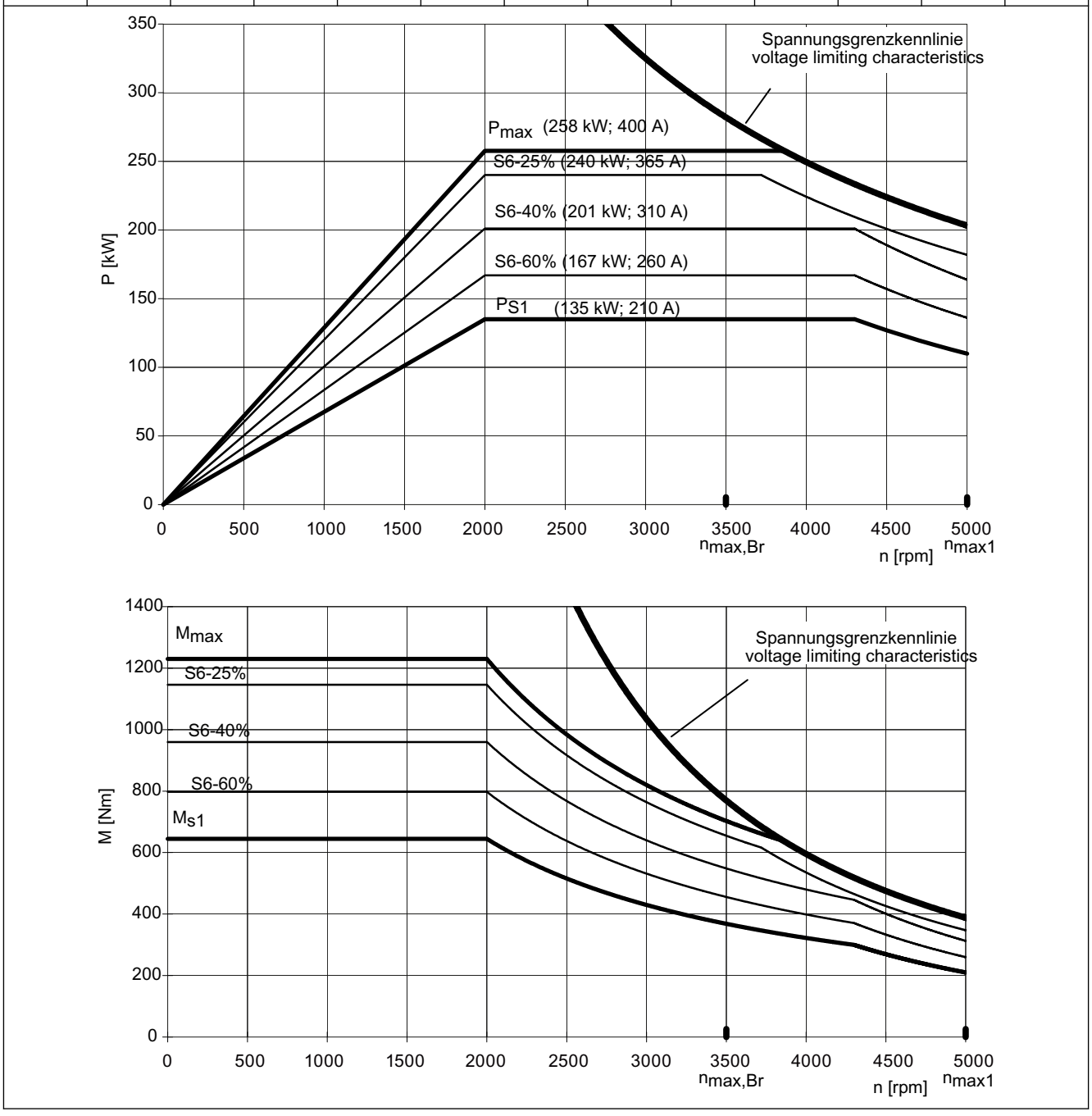


Table 2-96 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8186-□□F□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,200	135	586	196	5,000	-	-	3,500	4,300	1,230	400	688	196

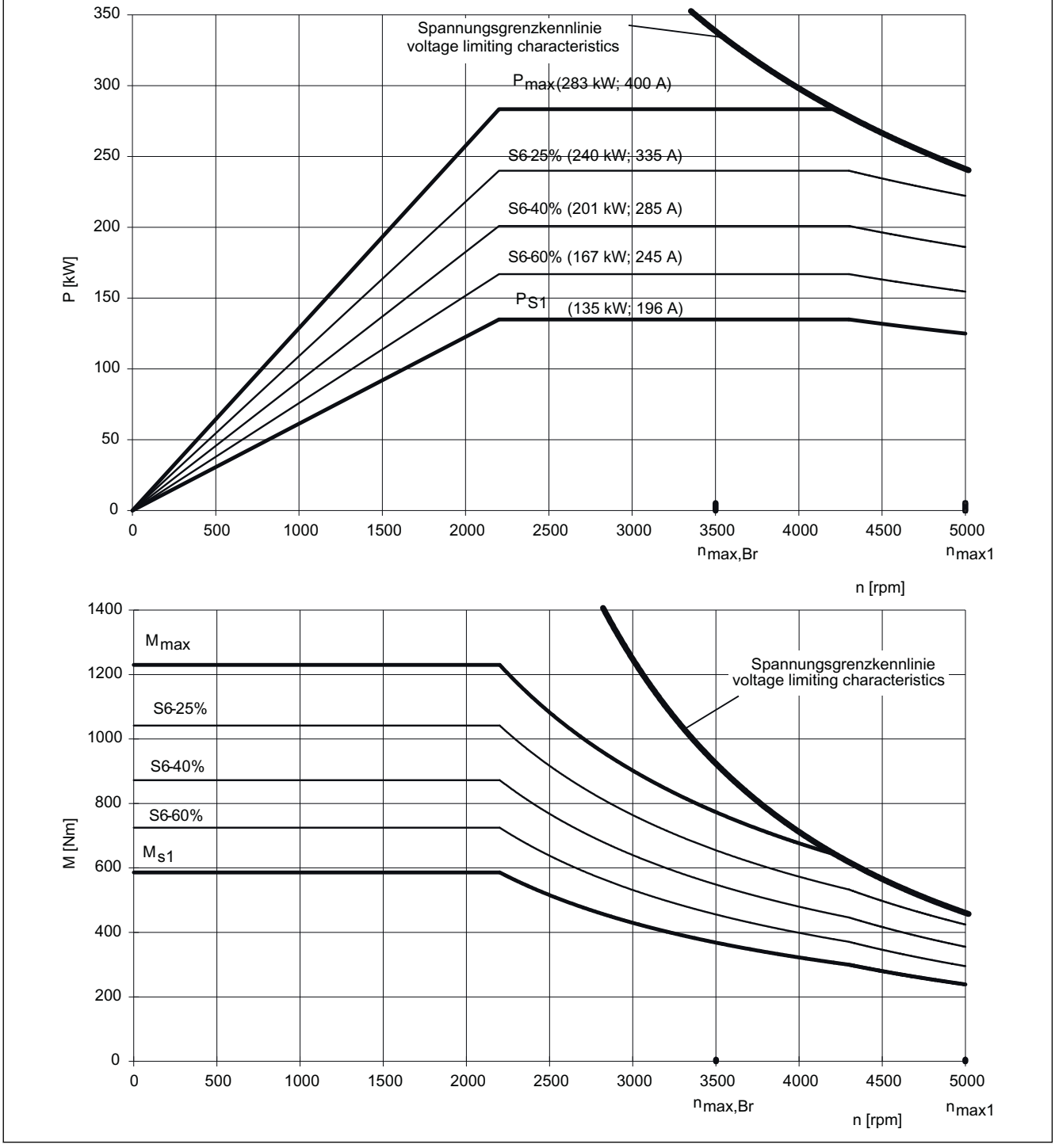
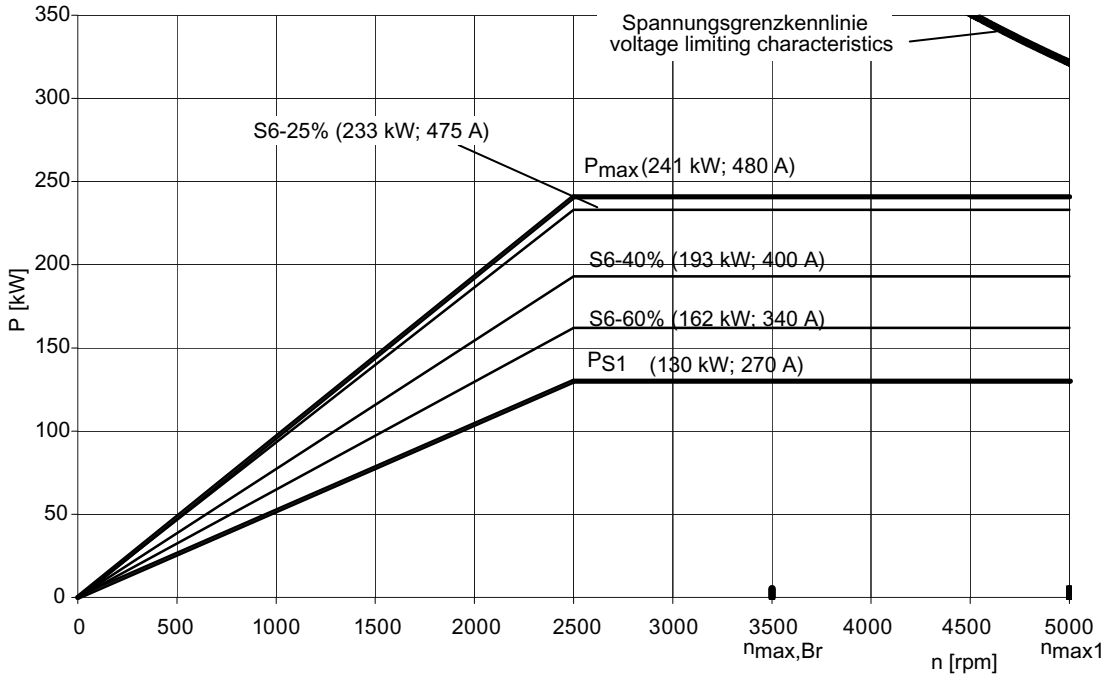


Table 2-97 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□L□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,500	130	497	270	5,000	-	-	3,500	5,000	920	480	497	270



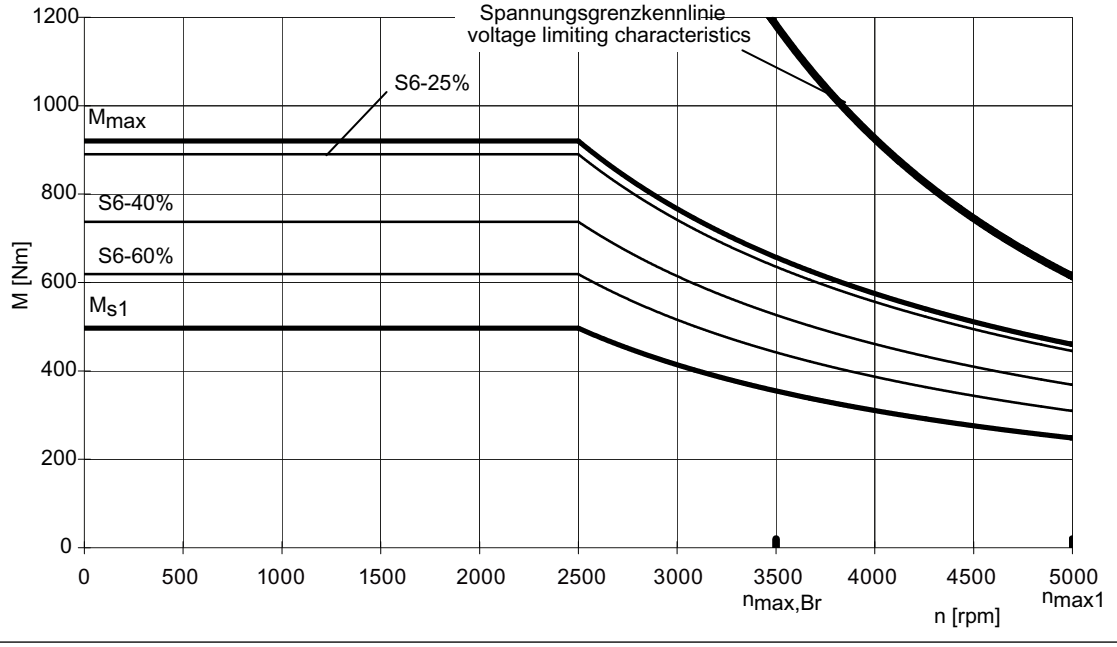
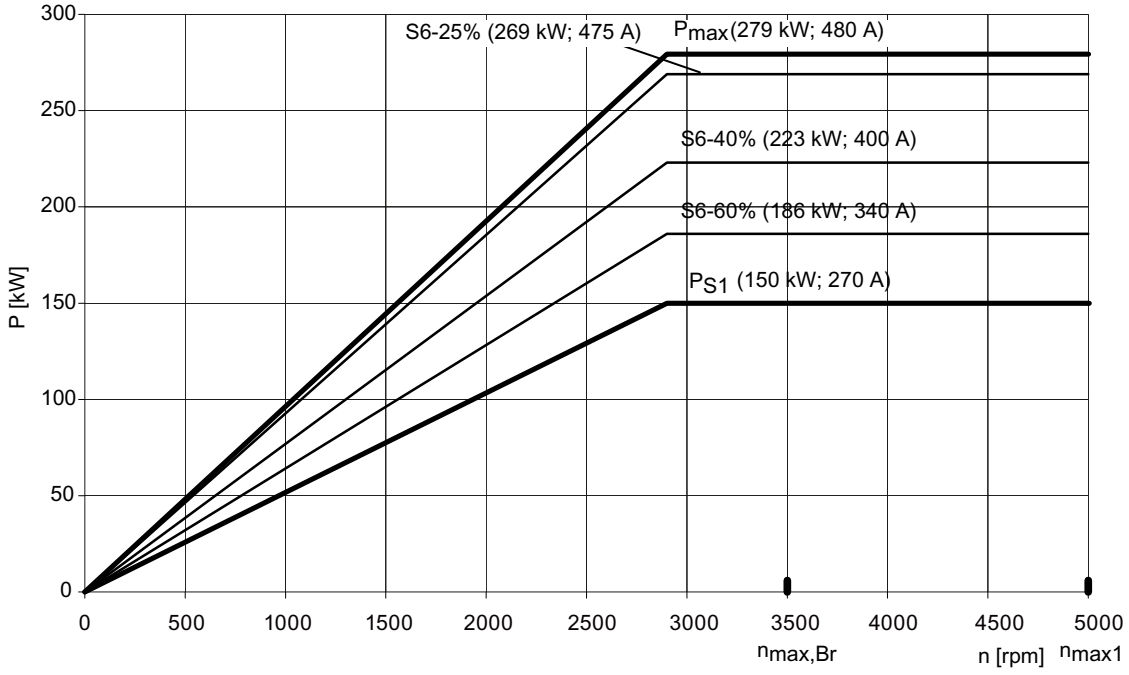


Table 2-98 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8186-□□L□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,900	150	494	270	5,000	-	-	3,500	5,000	920	480	494	270
2,500	130	497	270					5,000				



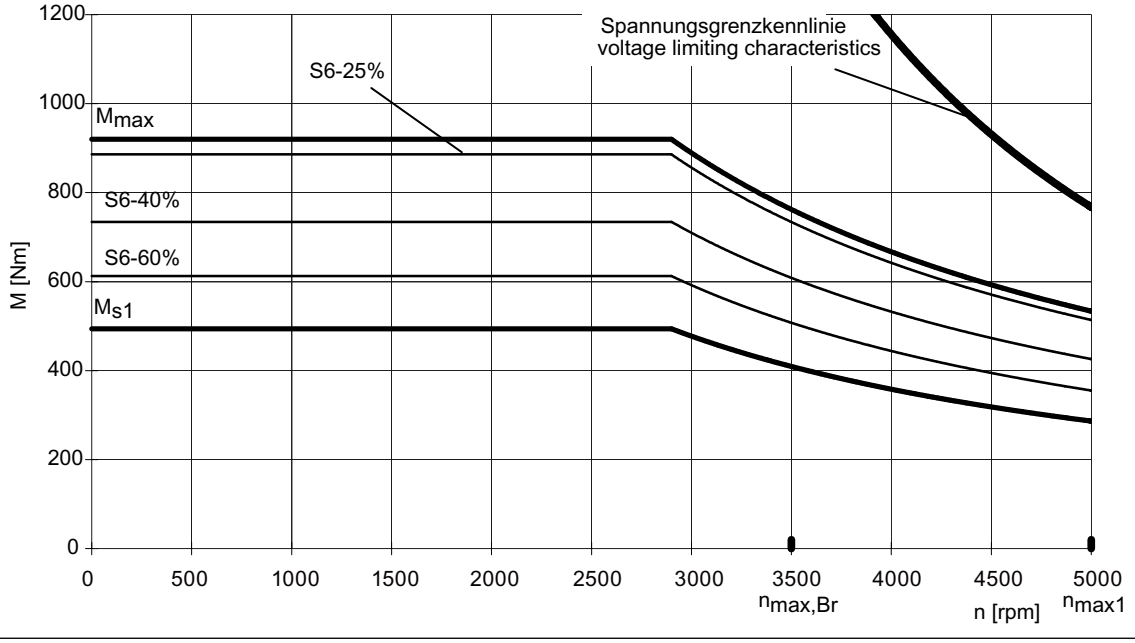
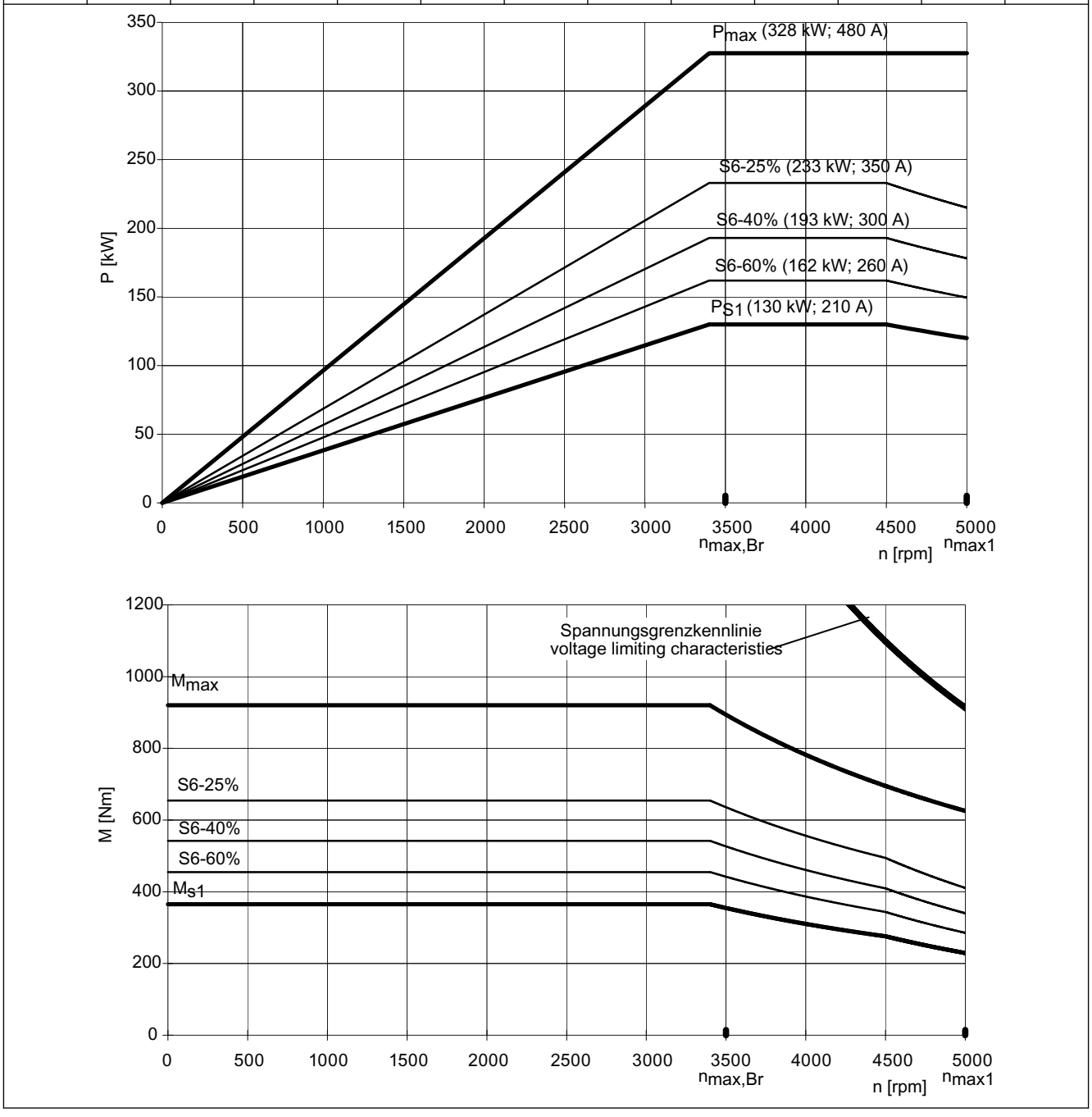


Table 2-99 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8186-□□L□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
3,400	130	365	210	5,000	-	-	3,500	4,500	920	480	365	210



2.2.8 Shaft height 225 - forced ventilation

Table 2-100 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	30.4	726	86	4,500	6,000	-	3,100	2,400	1,760	225	726	86

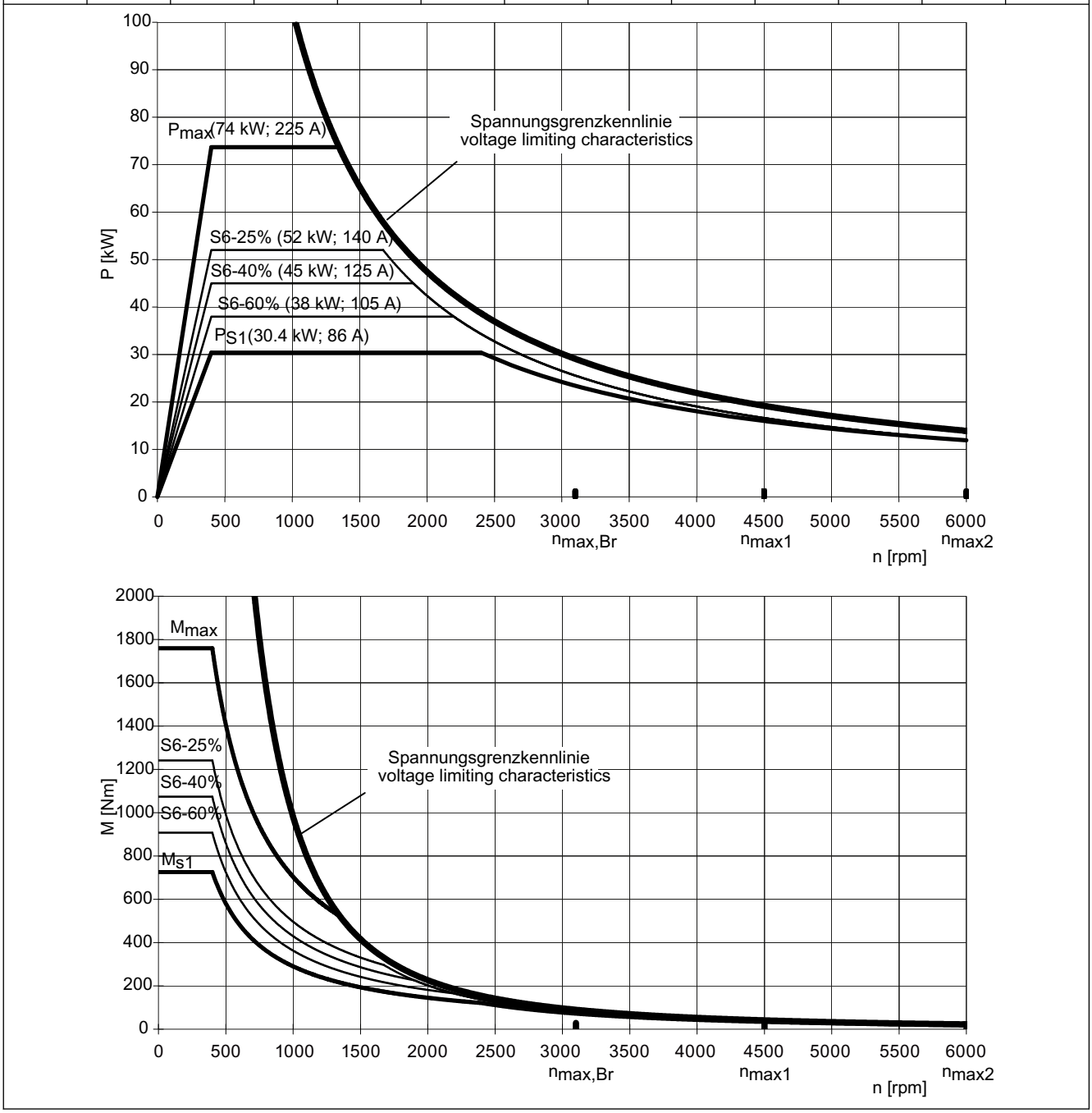
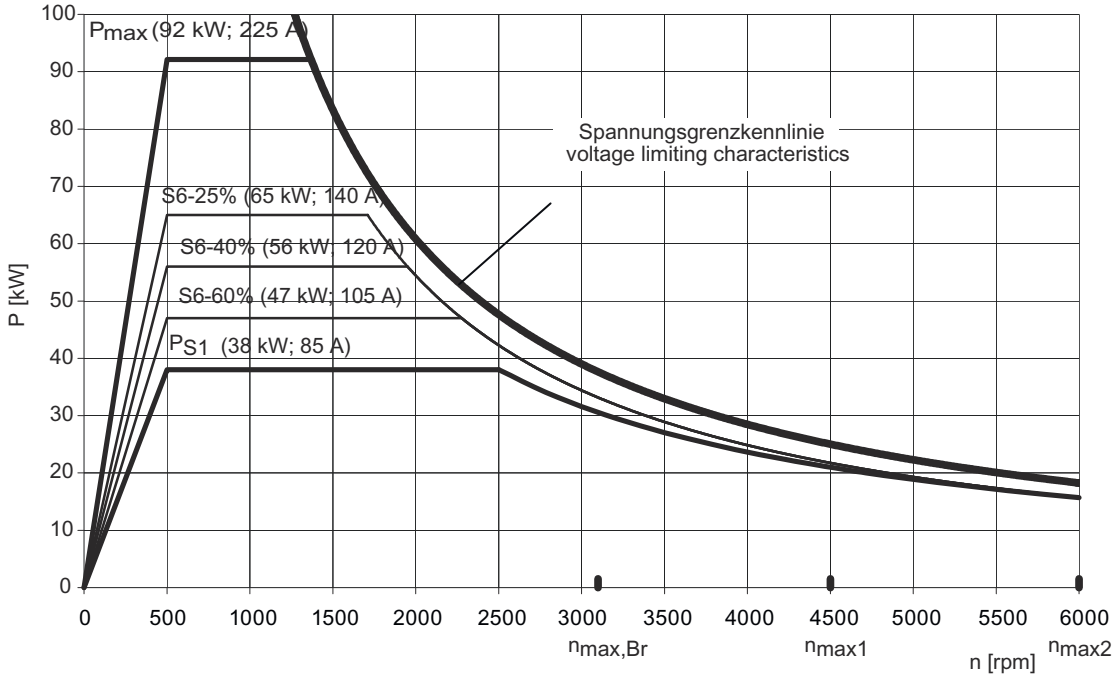


Table 2-101 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8224-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	38	726	85	4,500	6,000	-	3,100	2,500	1,760	225	726	85
400	30	726	86					3,100				



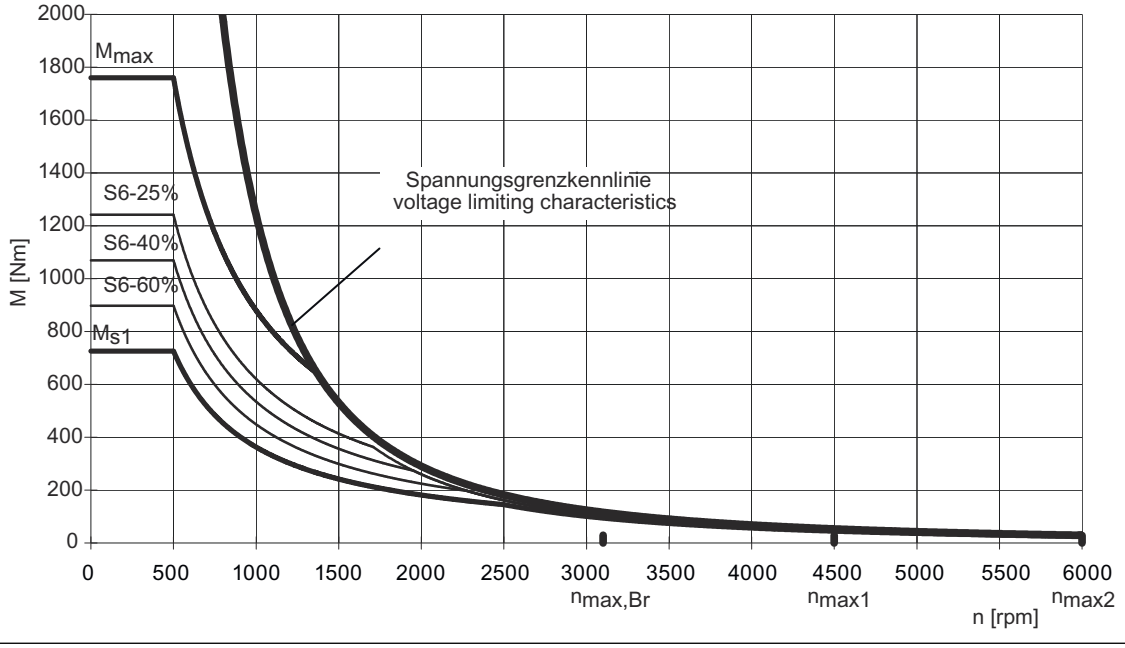


Table 2-102 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	45	716	83	4,500	6,000	-	3,100	2,600	1,760	225	716	83

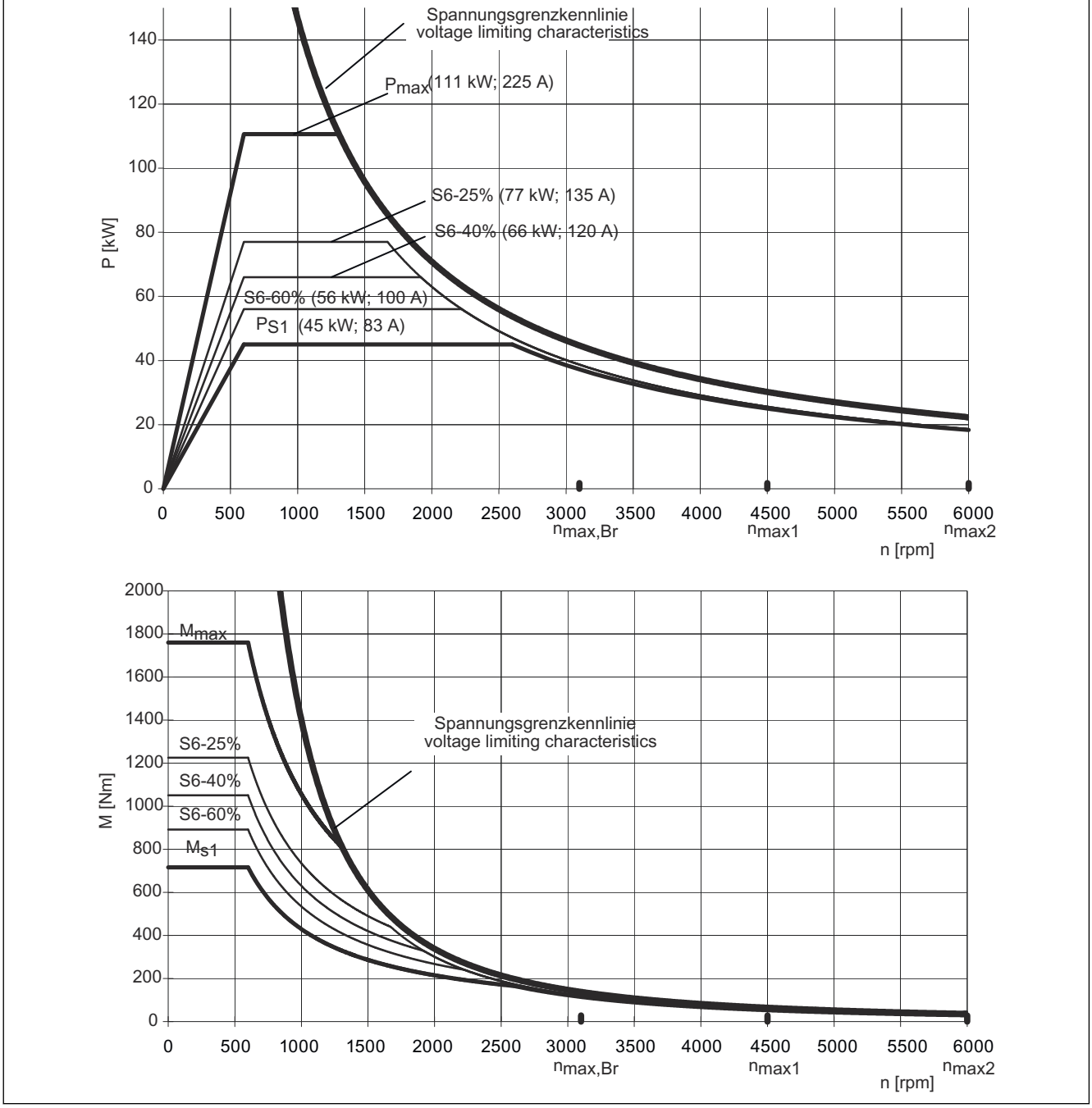


Table 2-103 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8224-□□B□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	52	709	82	4,500	6,000	-	3,100	2,700	1,760	225	726	82

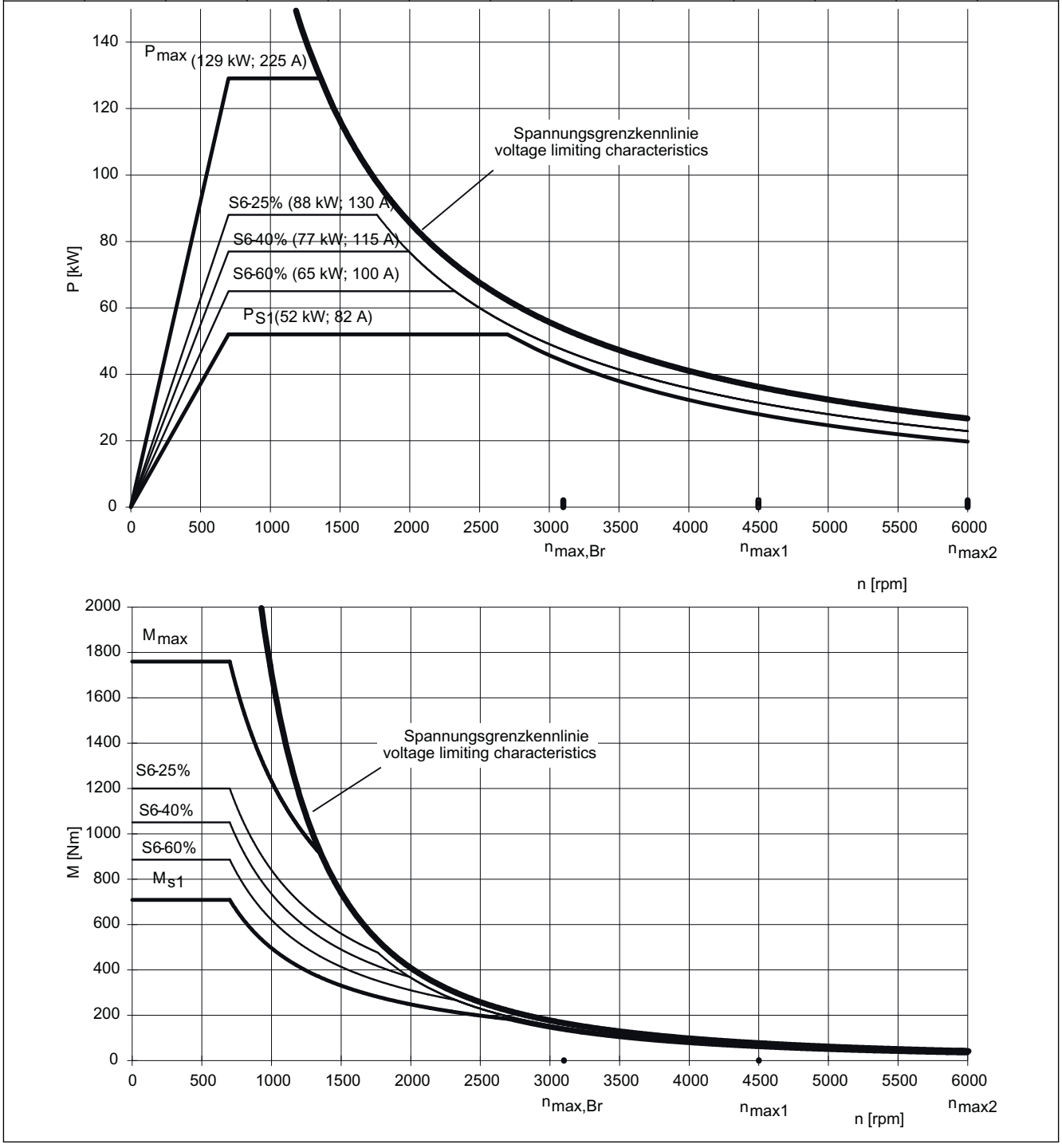


Table 2-104 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	55	750	136	4,500	6,000	-	3,100	2,900	1,760	285	750	136

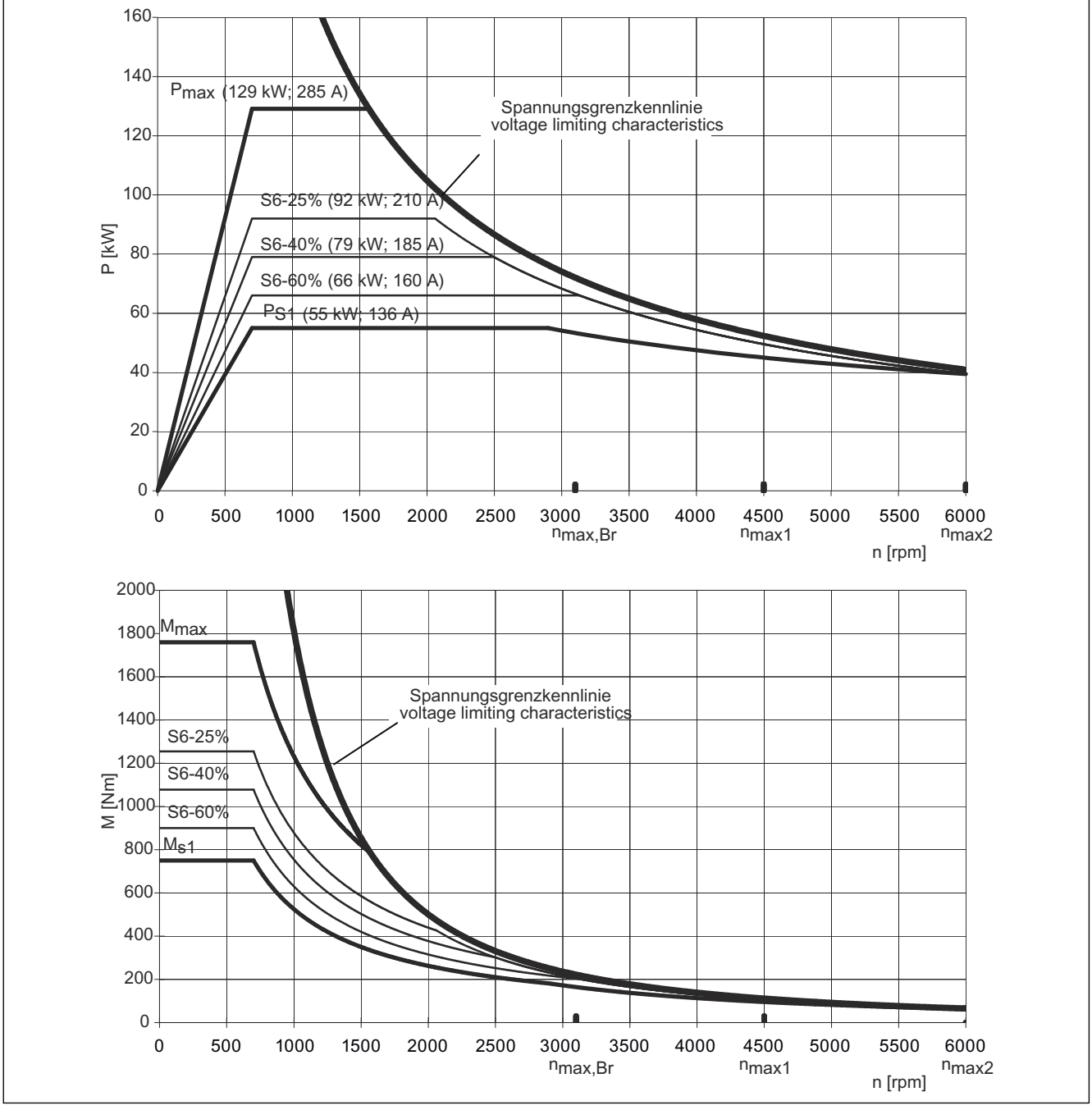
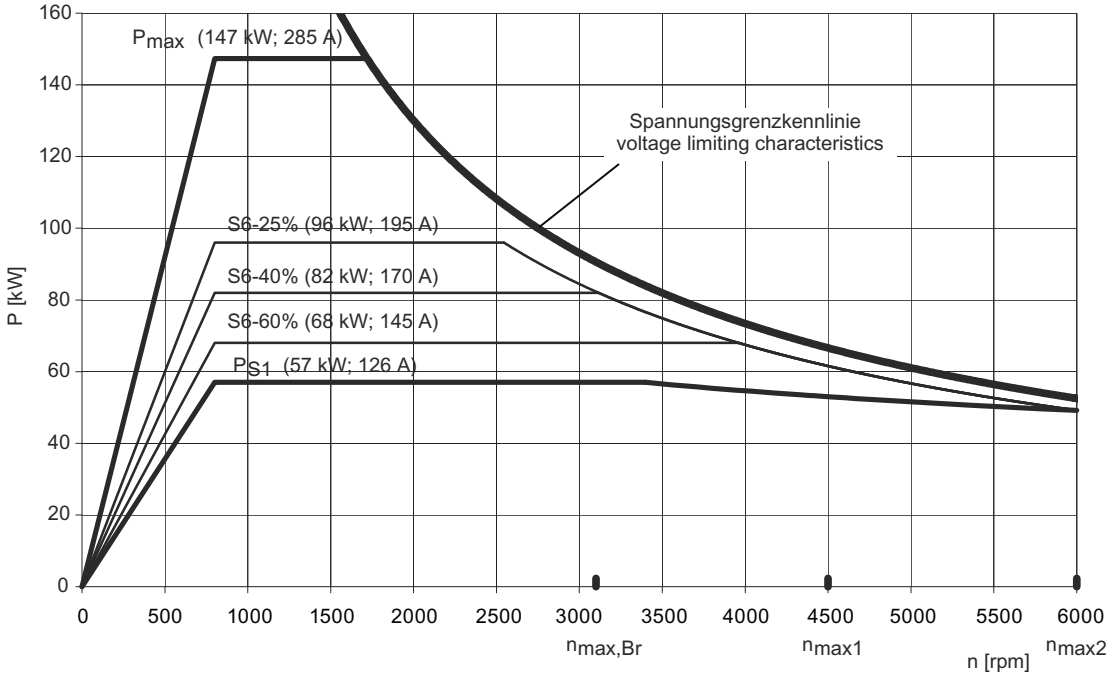


Table 2-105 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8224-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	57	681	126	4,500	6,000	-	3,100	3,400	1,760	285	681	126
700	55	750	136					3,900				



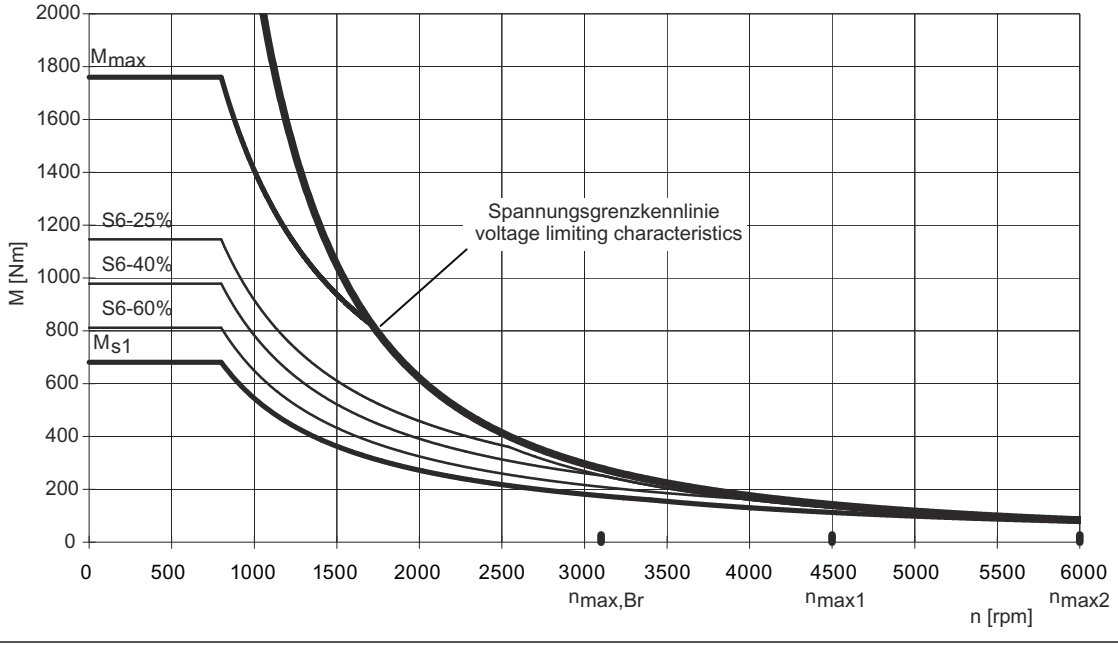
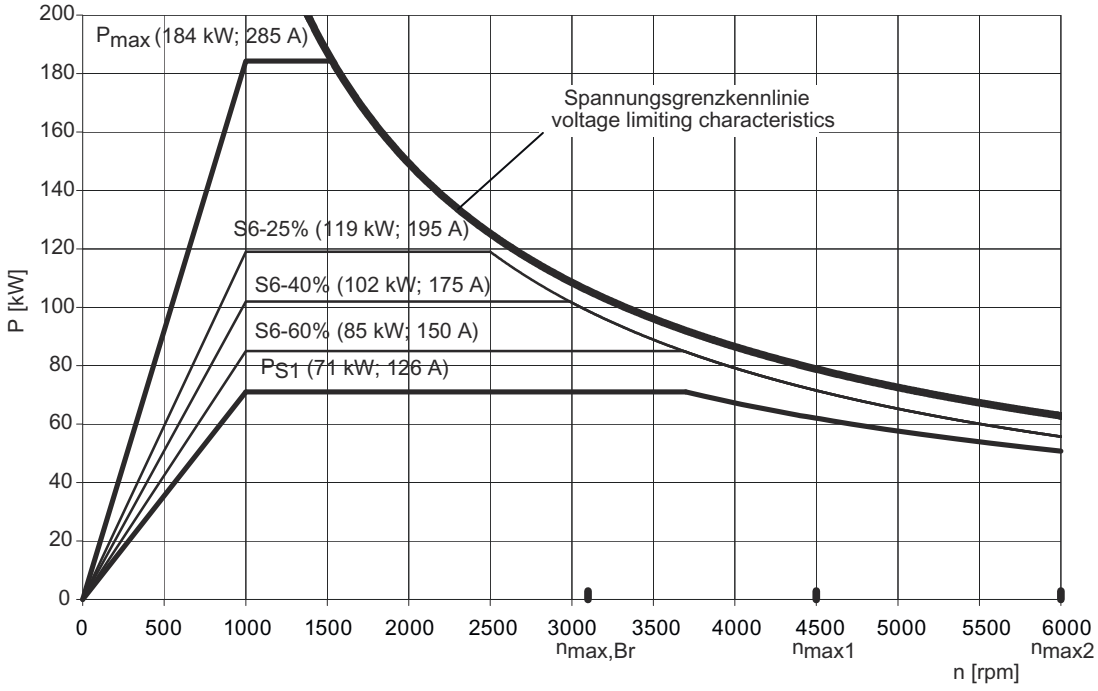


Table 2-106 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	71	678	126	4,500	6,000	-	3,100	3,700	1,760	185	678	126



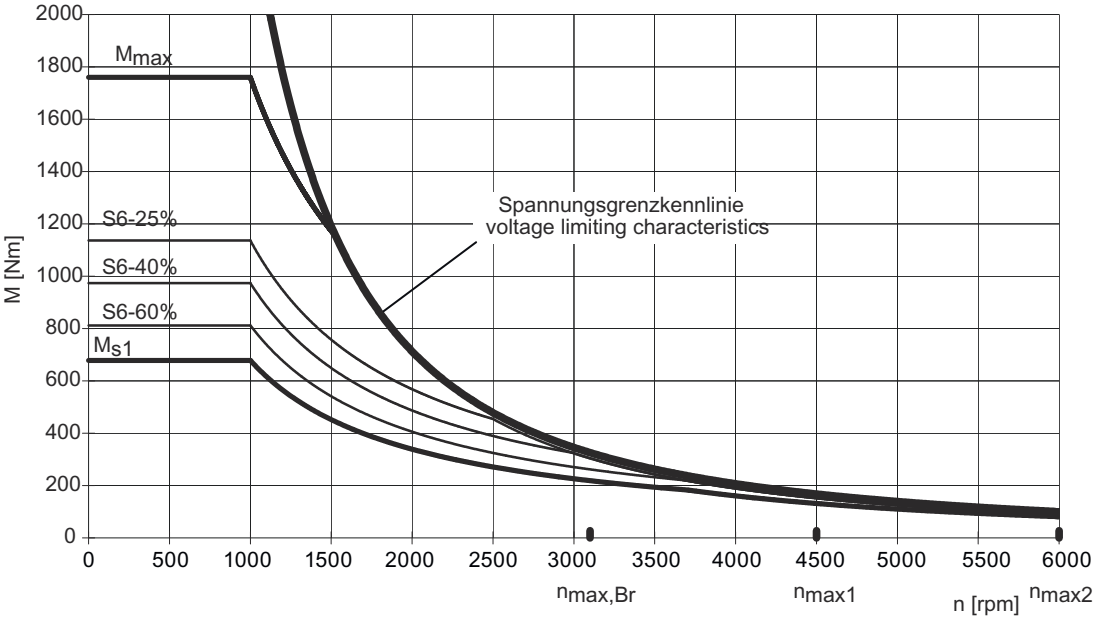


Table 2-107 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8224-□□C□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,100	78	677	126	4,500	6,000	-	3,100	3,700	1,760	285	750	126

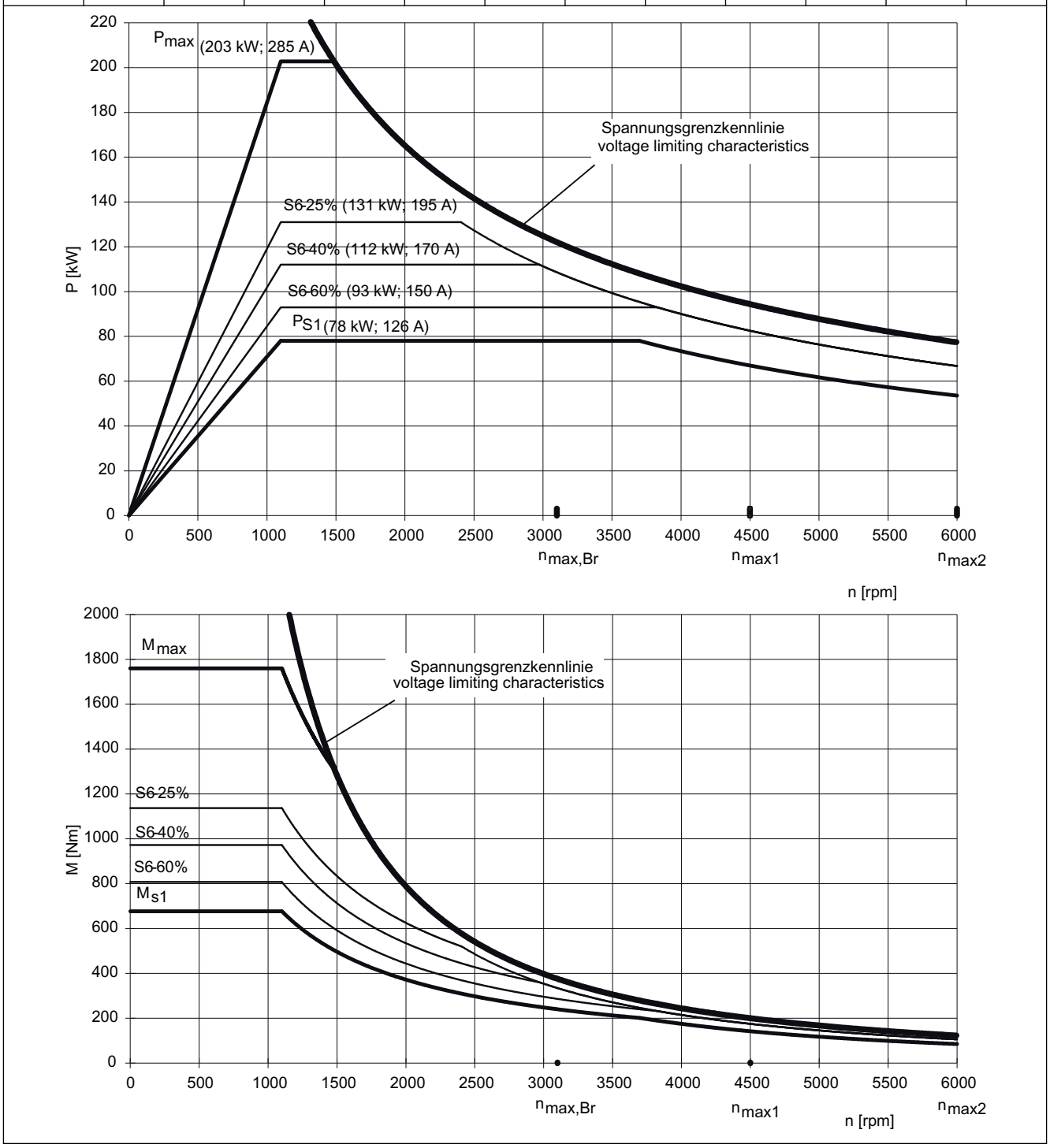


Table 2-108 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	71	678	158	4,500	6,000	-	3,100	3,300	1,760	380	678	158

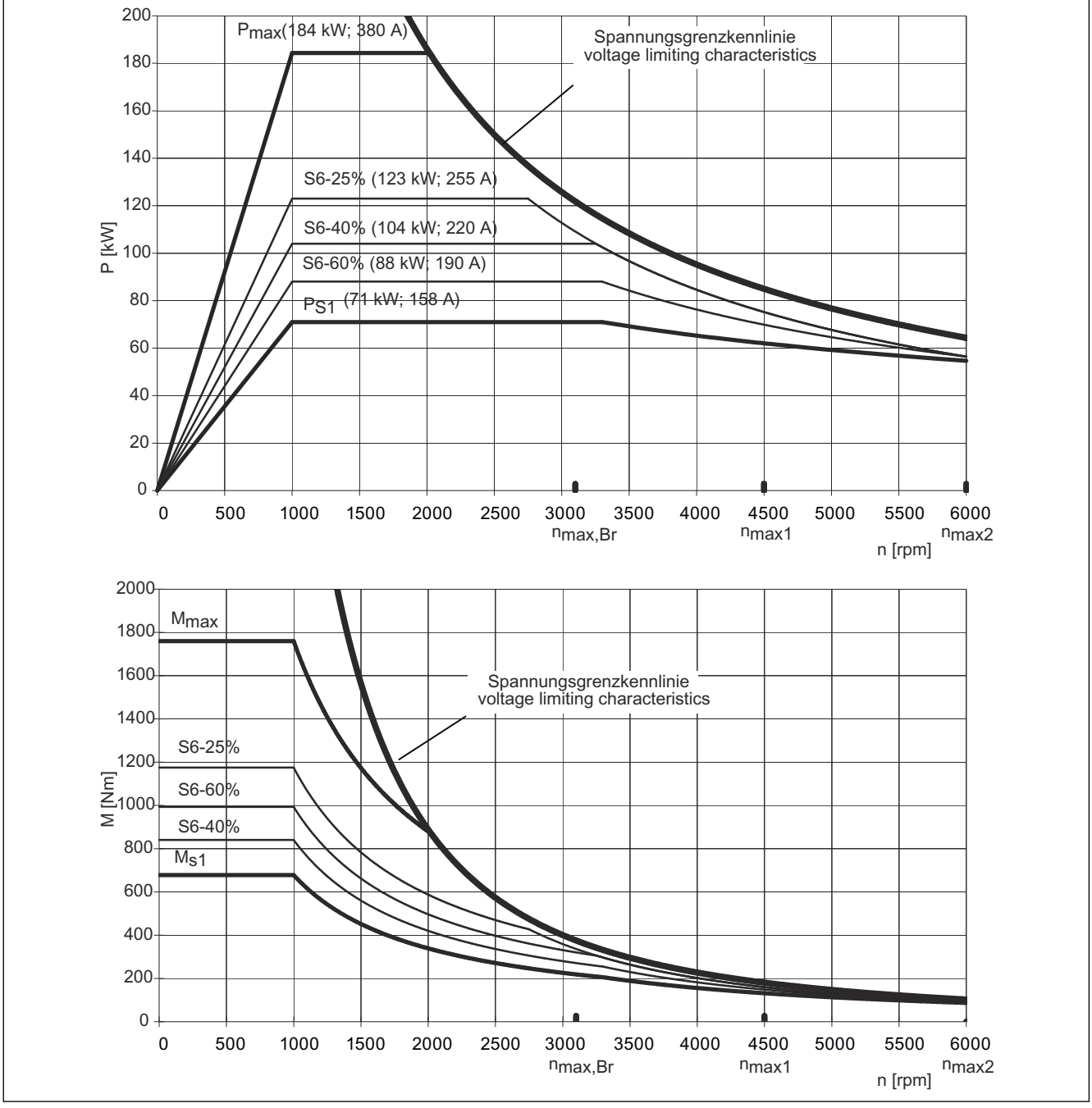
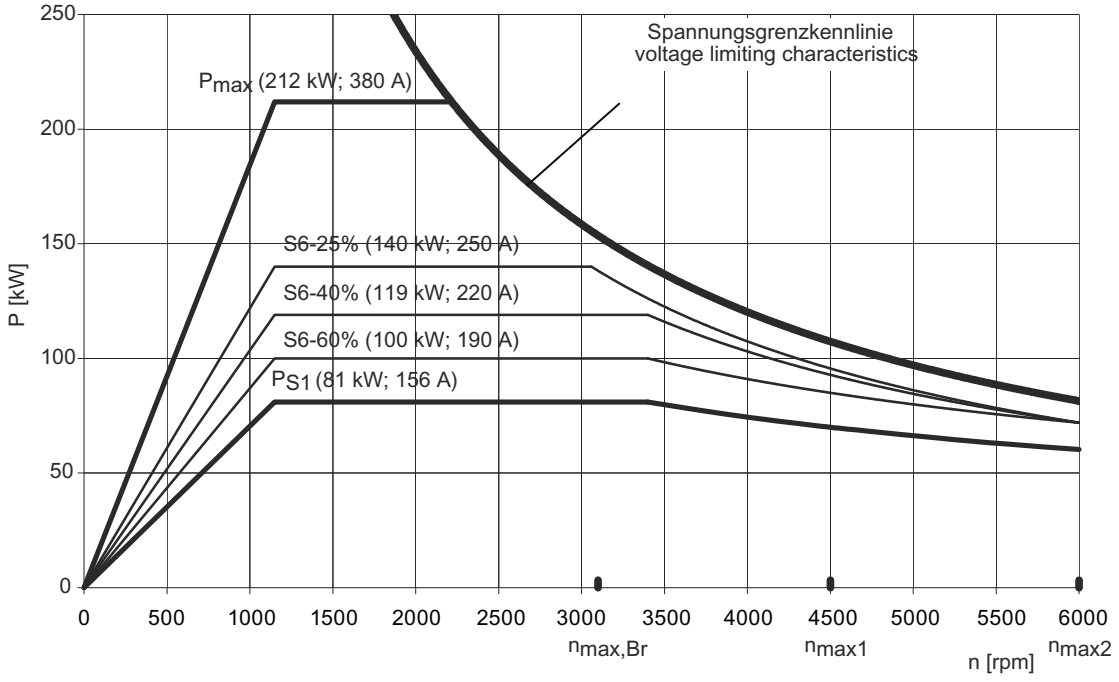


Table 2-109 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8224-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	81	673	156	4,500	6,000	-	3,100	3,400	1,760	380	673	156
1,000	71	678	158					4,400				



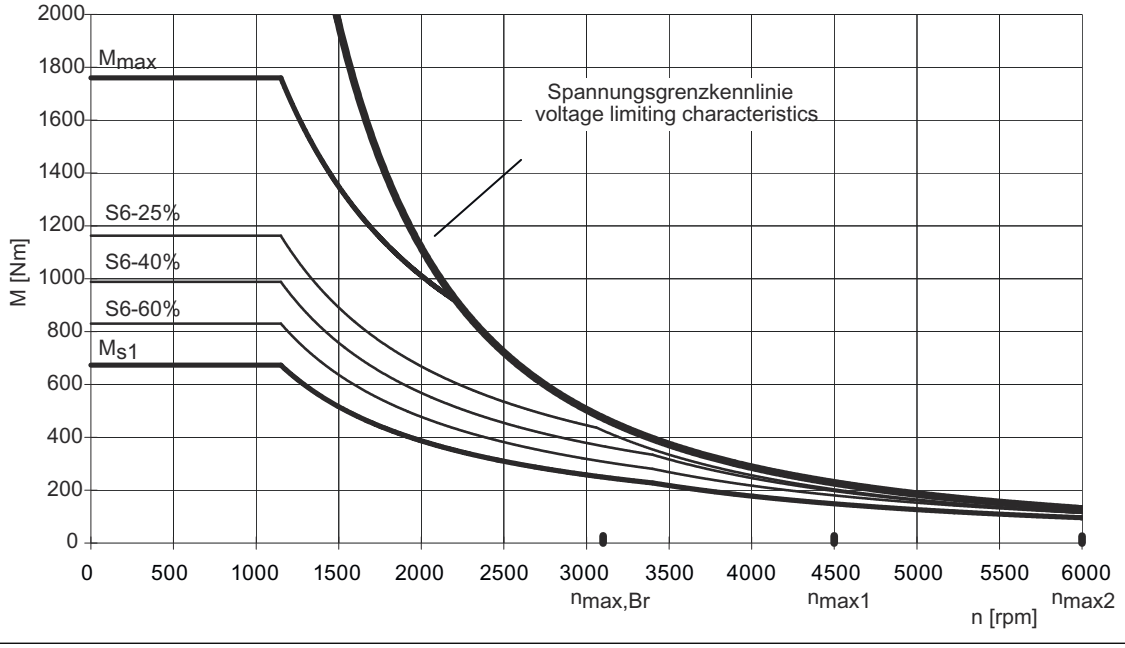
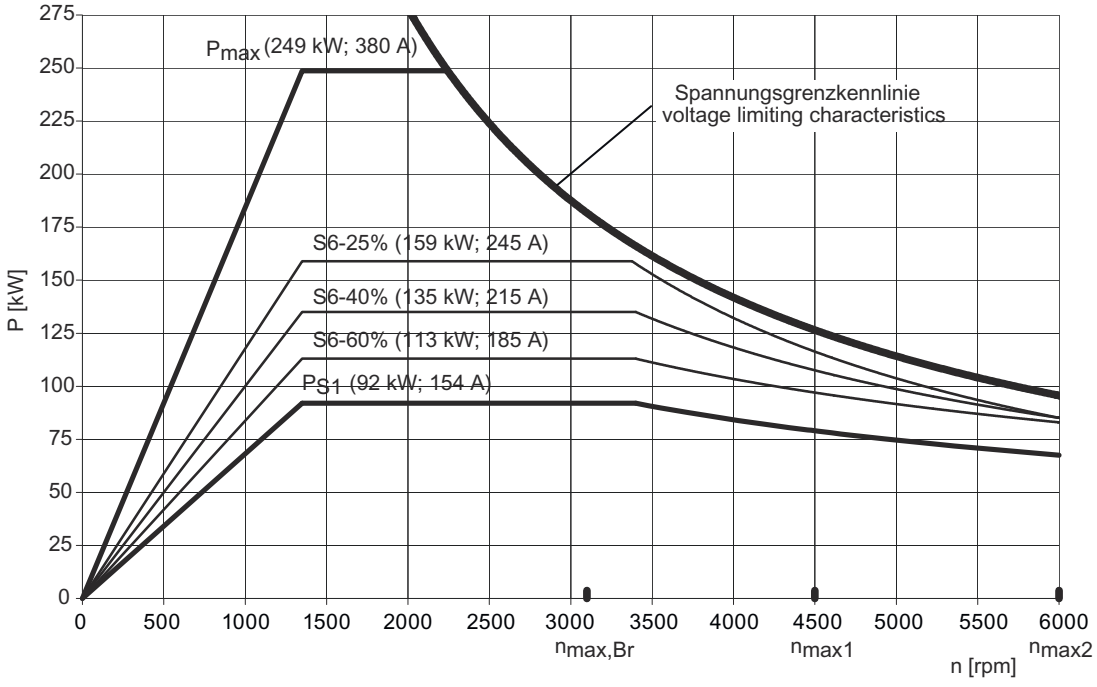


Table 2-110 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	92	651	154	4,500	6,000	-	3,100	3,400	1,760	380	651	154



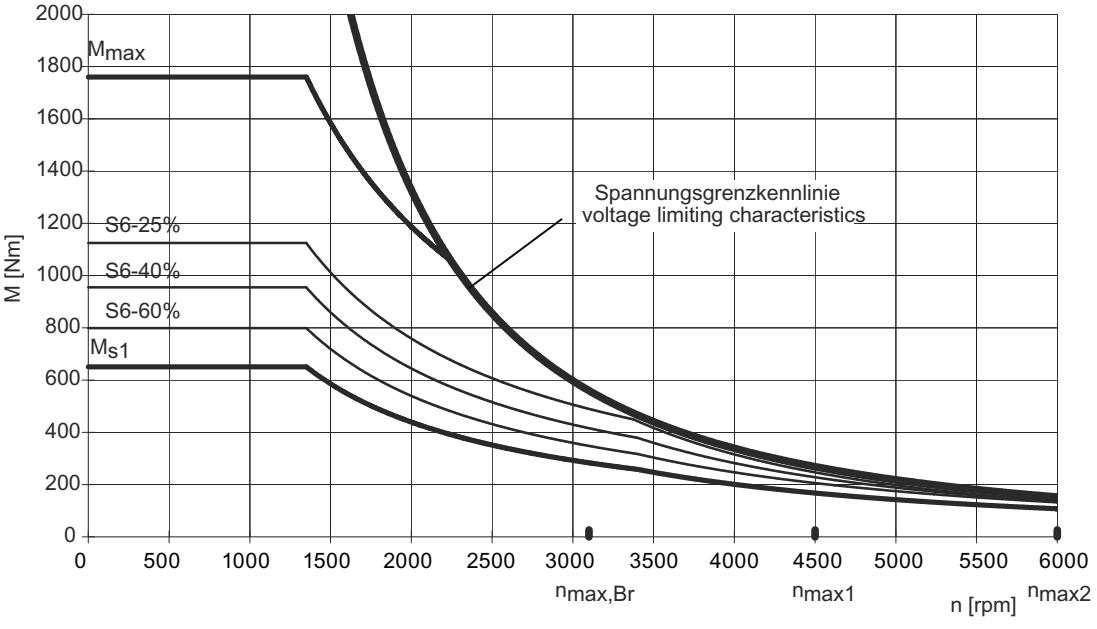


Table 2-111 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8224-□□D□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	92	586	142	4,500	6,000	-	3,100	3,600	1,760	380	678	142

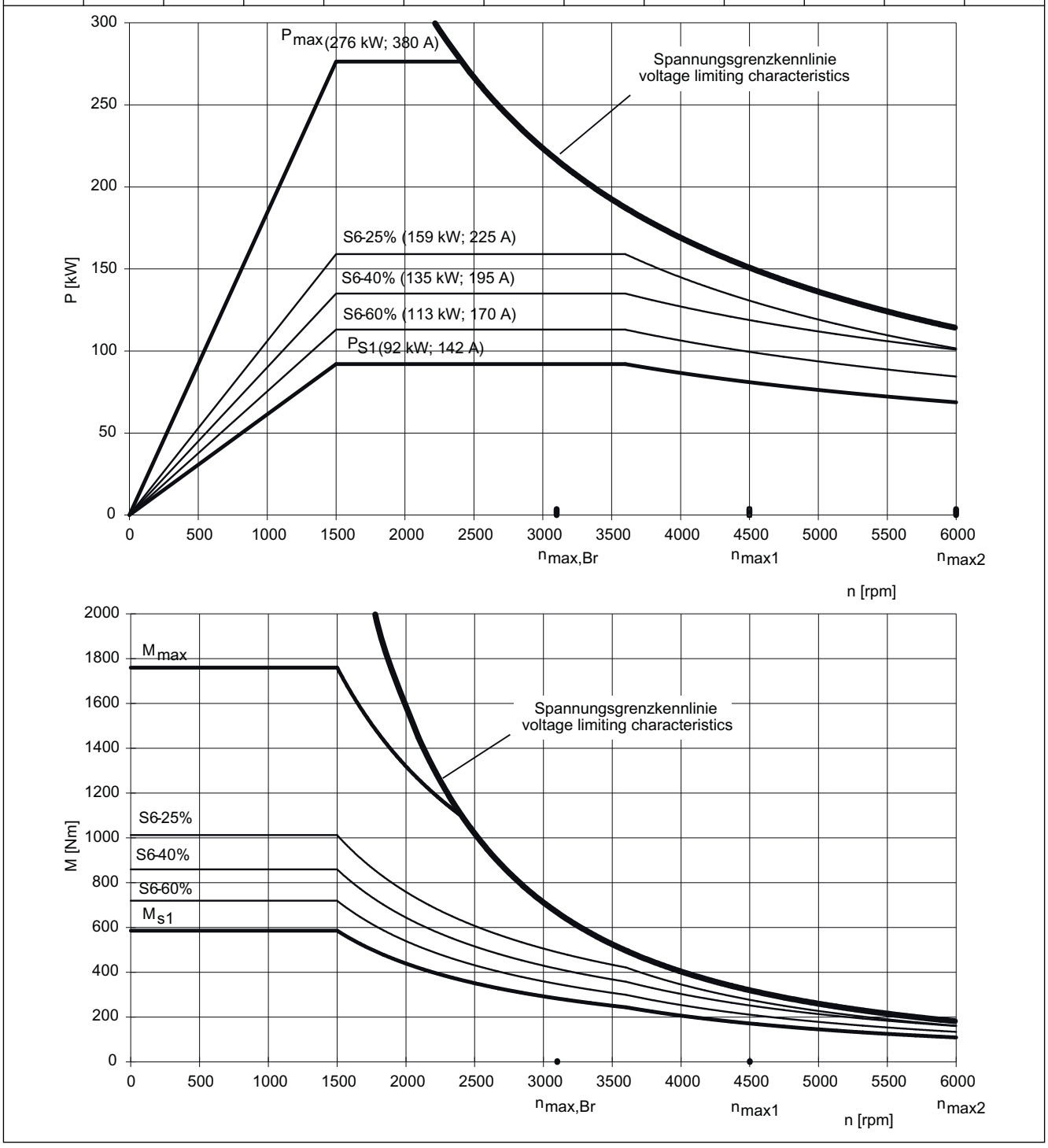


Table 2-112 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	95	605	200	4,500	6,000	-	3,100	3,300	1,550	485	605	200

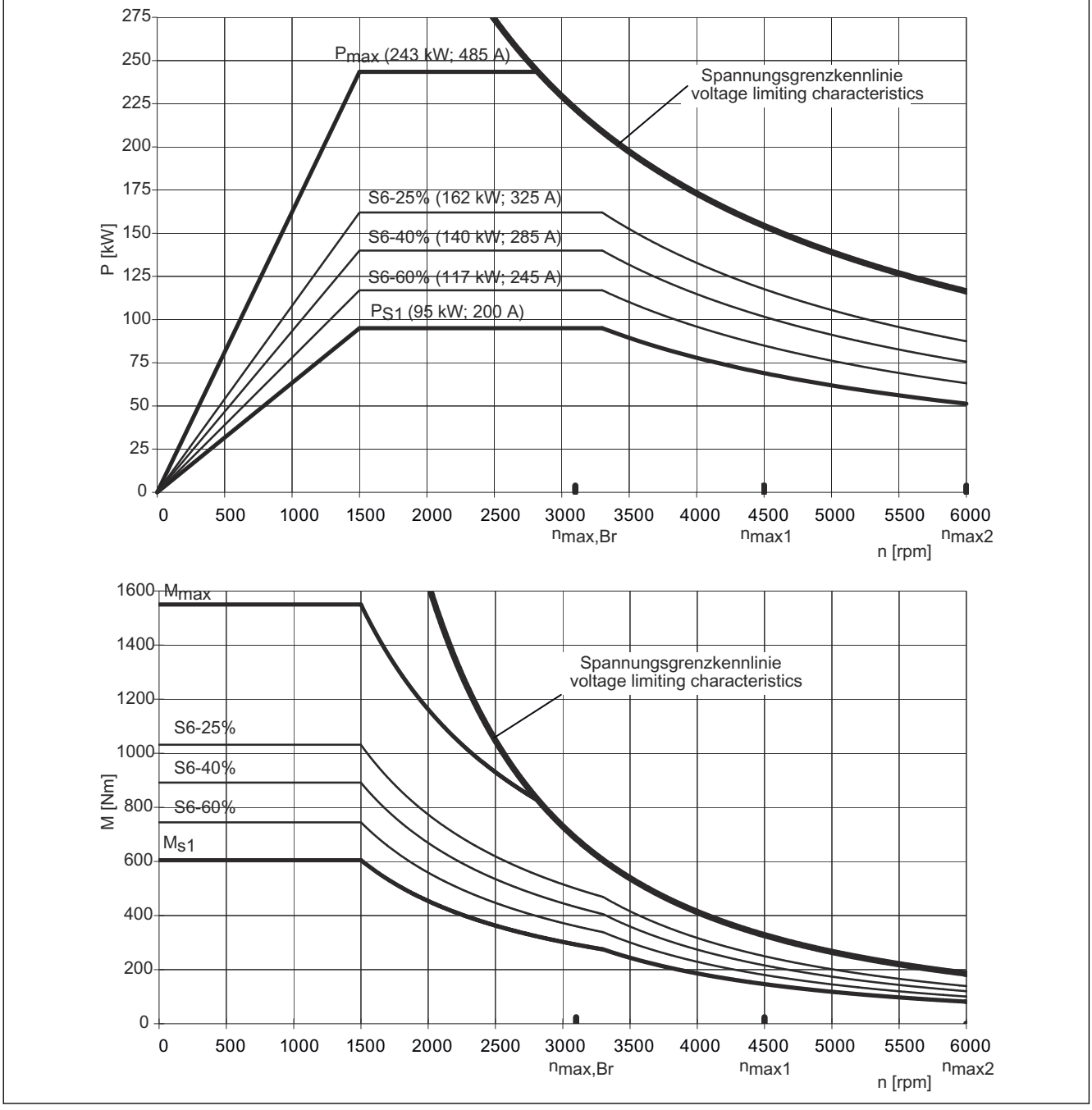
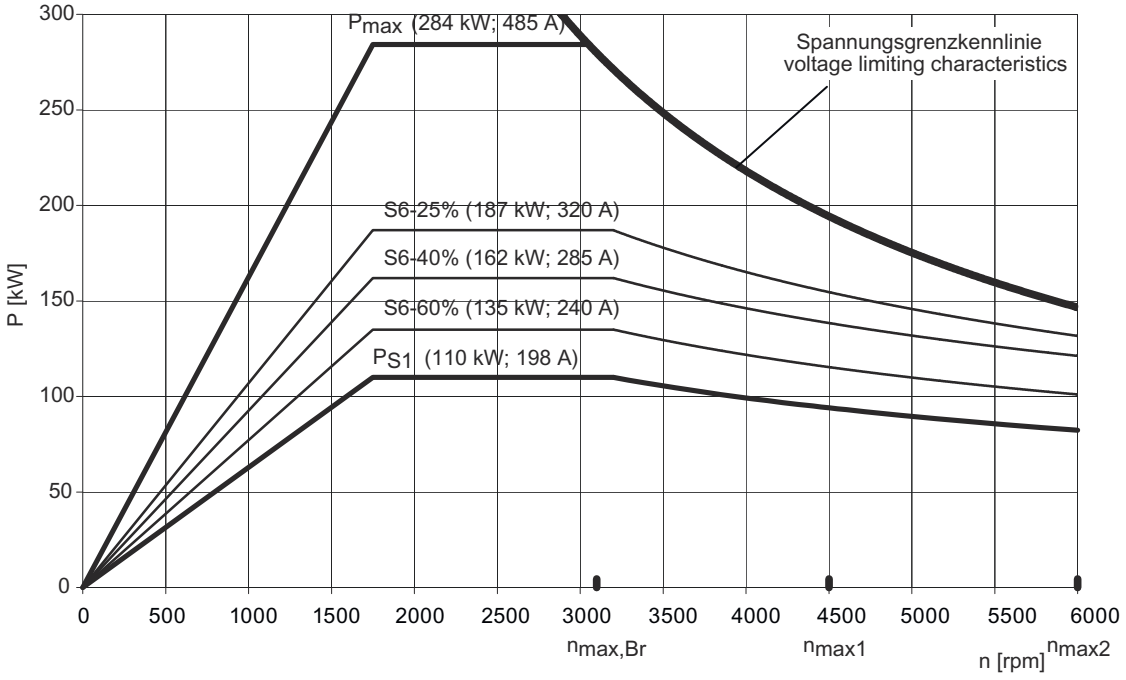


Table 2-113 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8224-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	110	600	198	4,500	6,000	-	3,100	3,200	1,550	485	600	198
1,500	95	605	200					4,400				



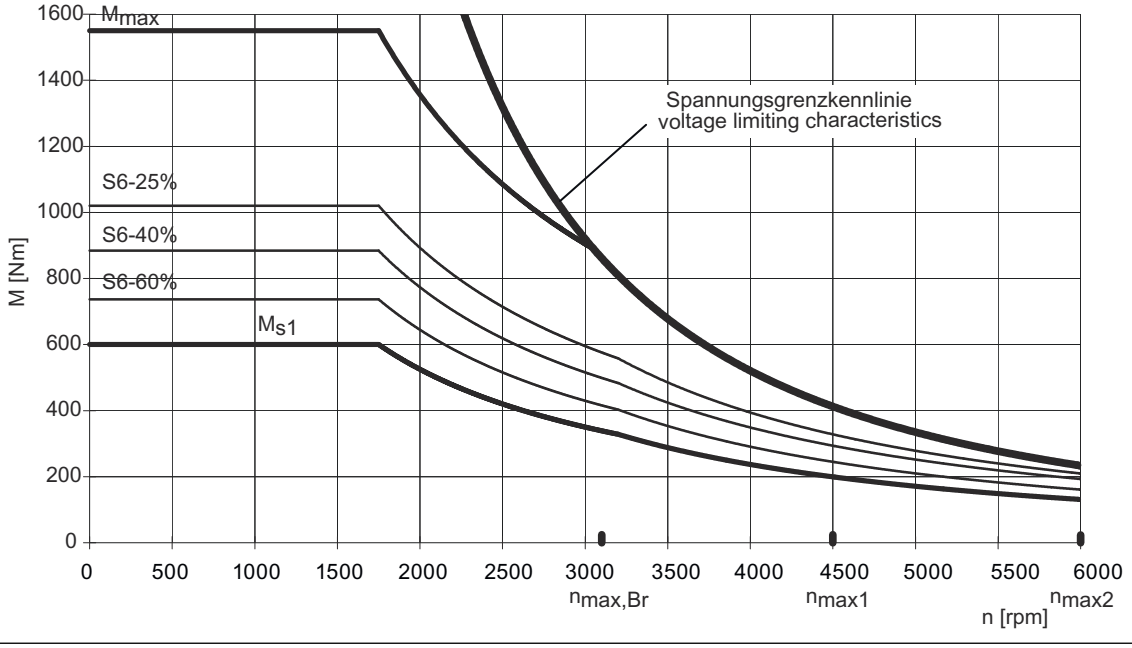
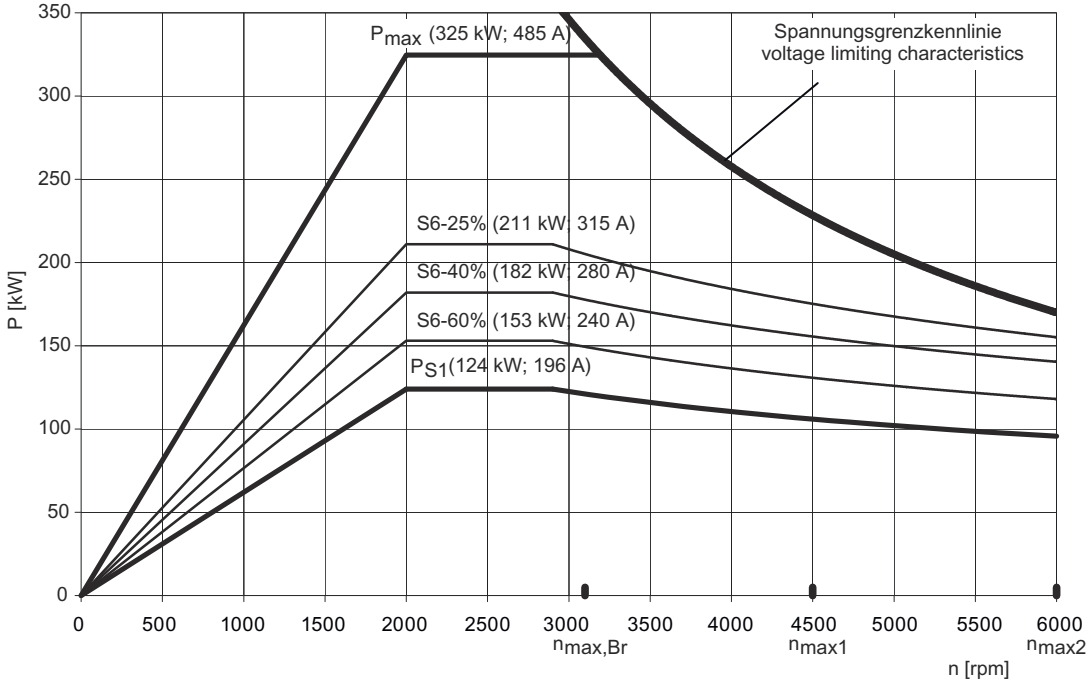


Table 2-114 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	124	592	196	4,500	6,000	-	3,100	2,900	1,550	485	592	196



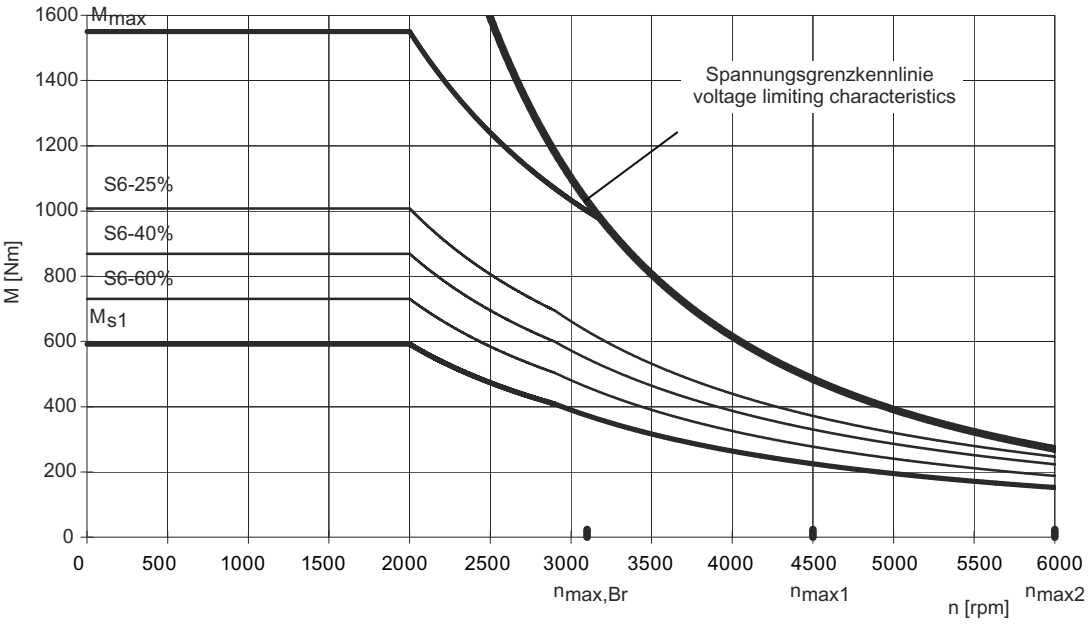
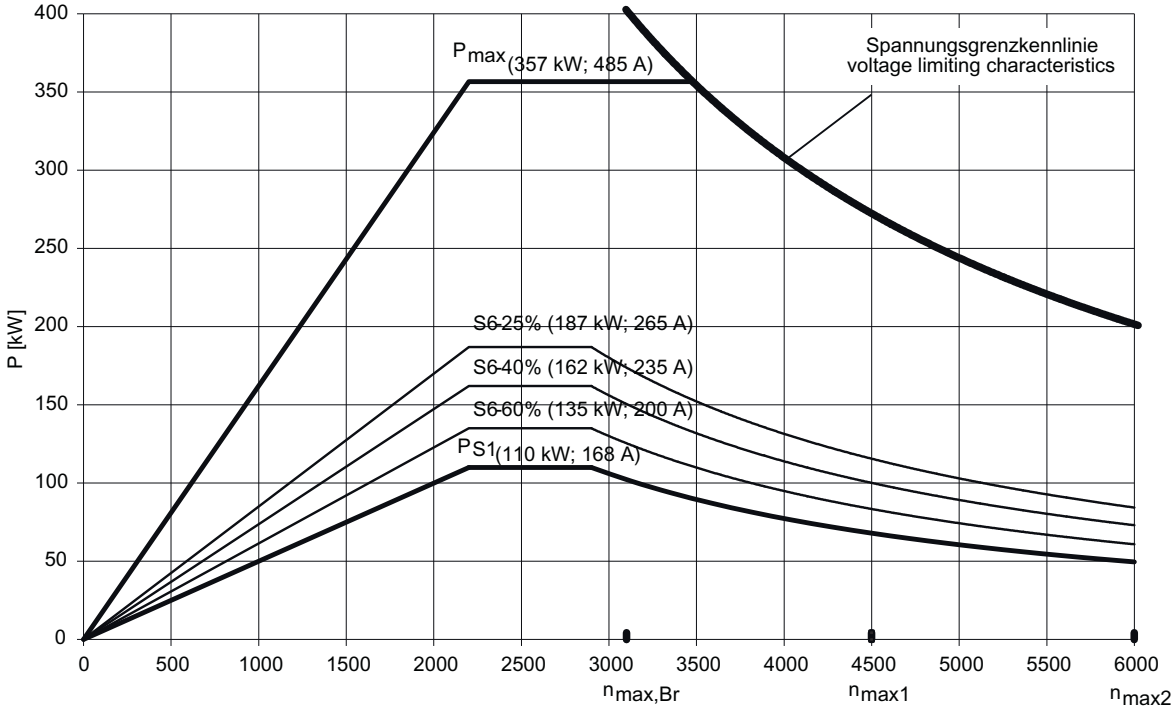


Table 2-115 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8224-□□F□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,200	110	478	168	4,500	6,000	-	3,100	2,900	1,550	485	605	168



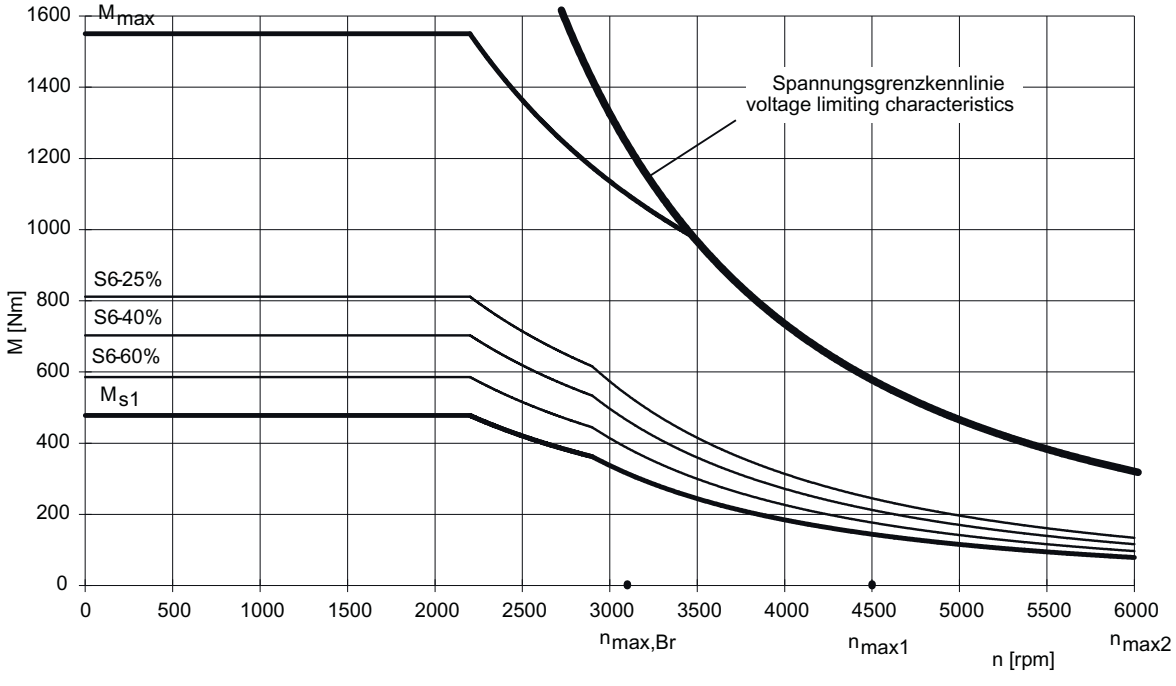


Table 2-116 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□L□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,500	142	542	295	4,500	6,000	-	3,100	3,200	1,170	600	542	295

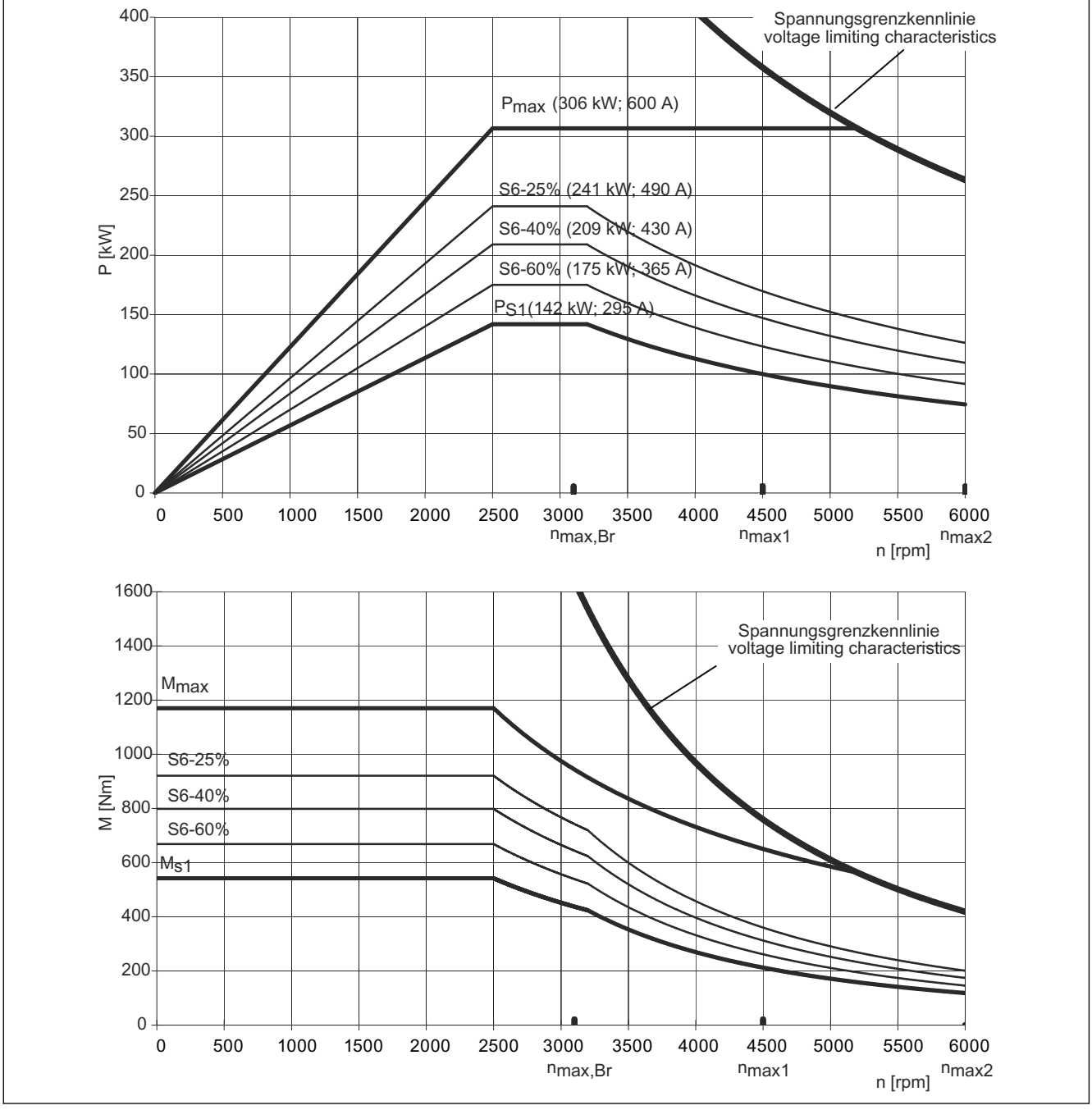
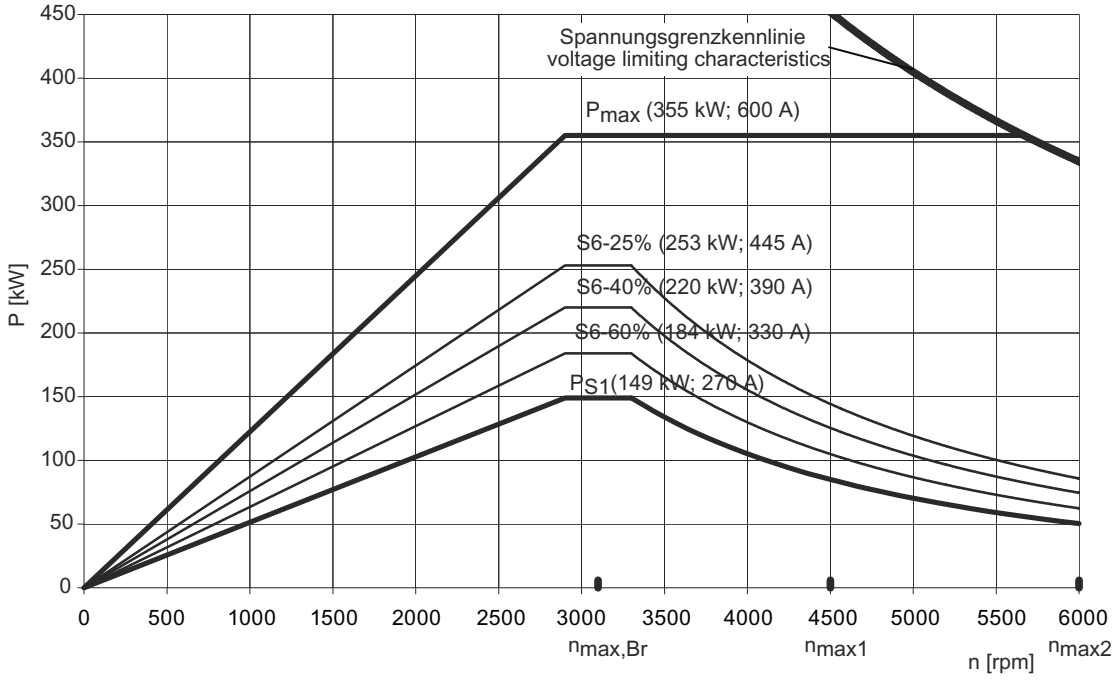


Table 2-117 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8224-□□L□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,900	149	491	270	4,500	6,000	-	3,100	3,300	1,170	600	491	270
2,500	142	542	295					3,400				



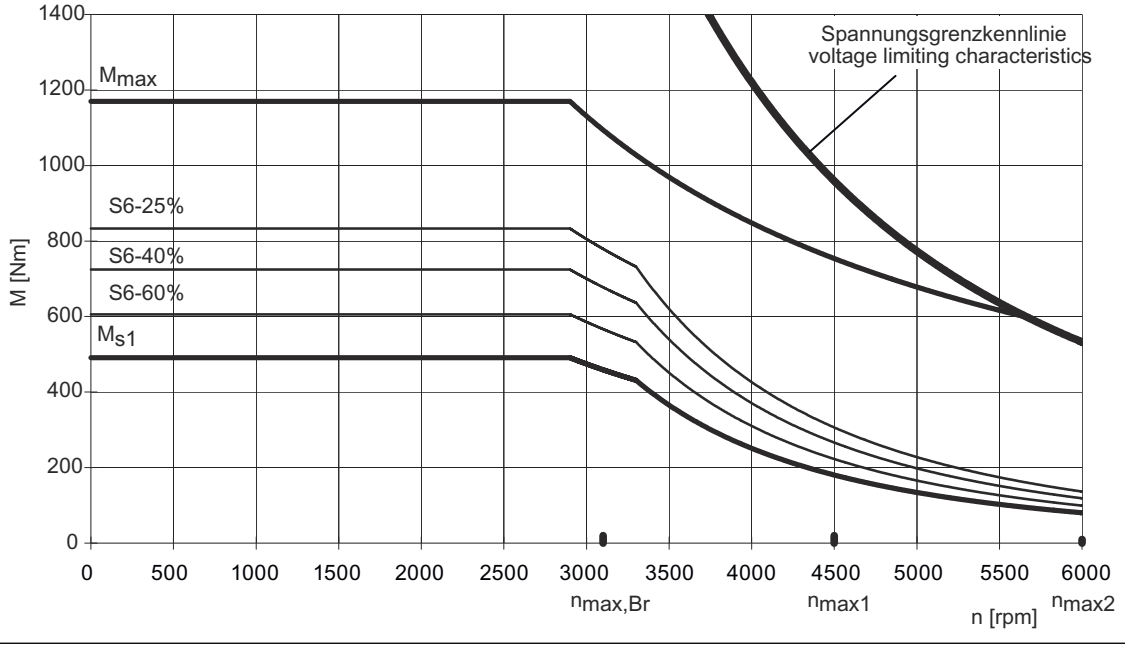
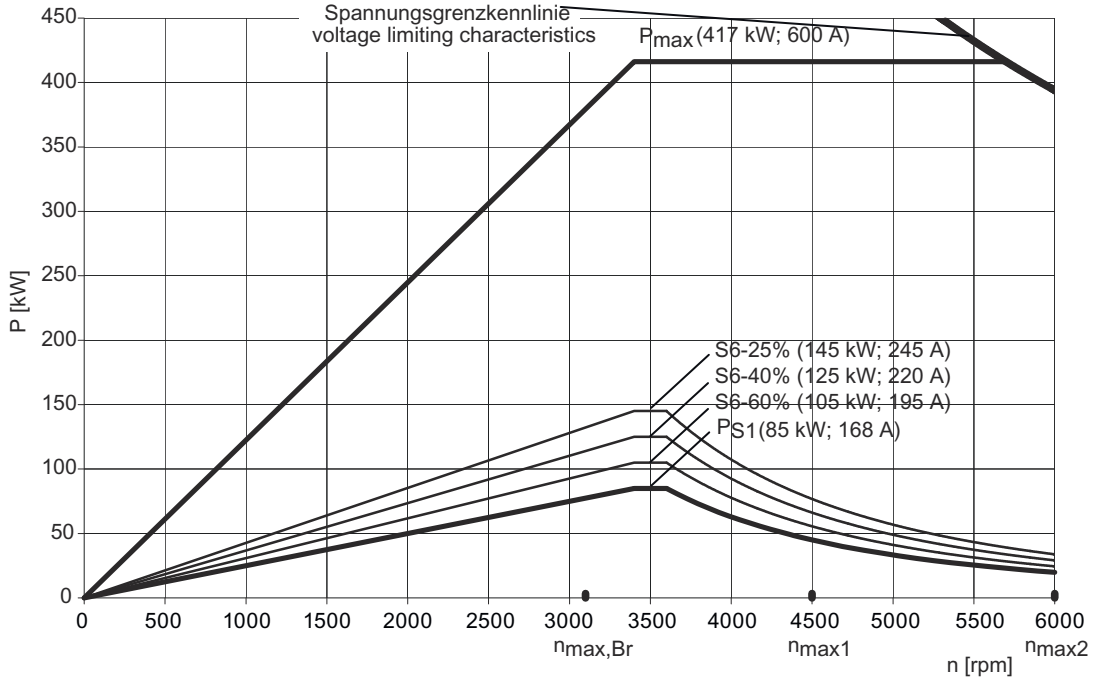
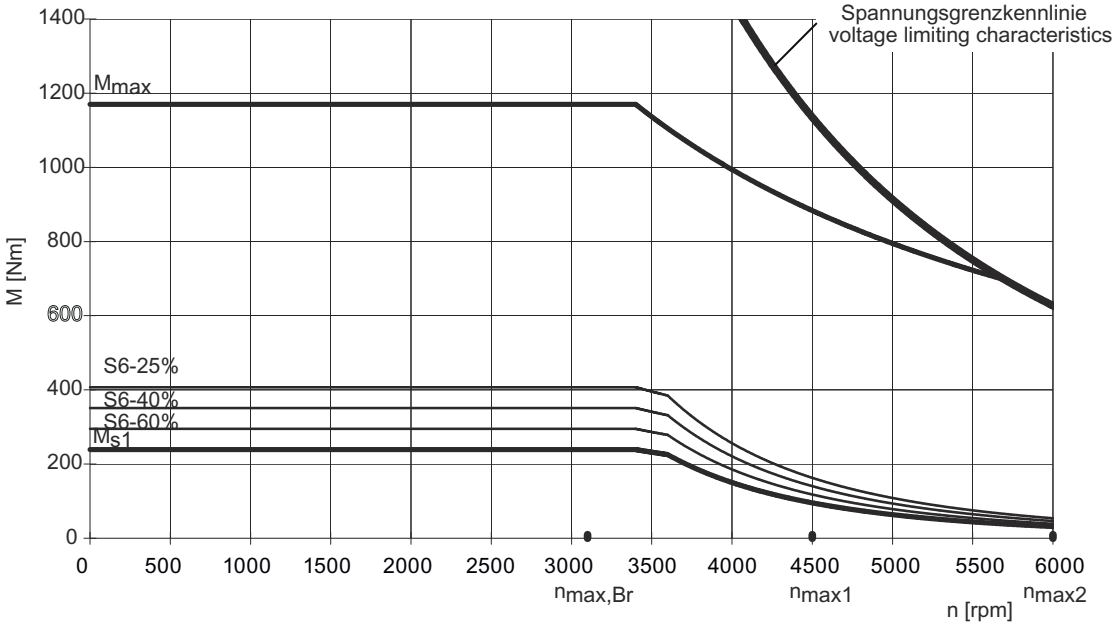


Table 2-118 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8224-□□L□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
3,400	85	239	168	4,500	6,000	-	3,100	3,600	1,170	600	239	168

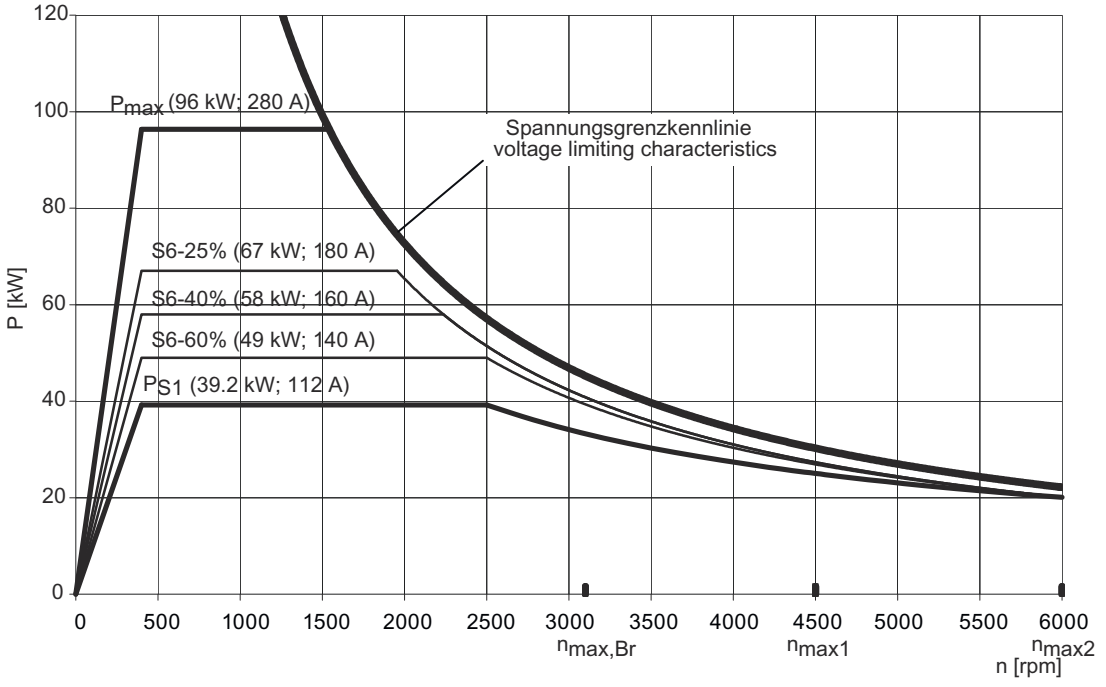




Note: In this electrical version (L winding), supplementary losses that are disproportionately high relative to the speed occur at high connection voltages (480 V 3AC), depending on the modulation depth of the converter. To comply with the permissible motor temperature, a power reduction must be considered in the configuration.

Table 2-119 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	39.2	936	112	4,500	6,000	-	3,100	2,500	2,300	280	936	112



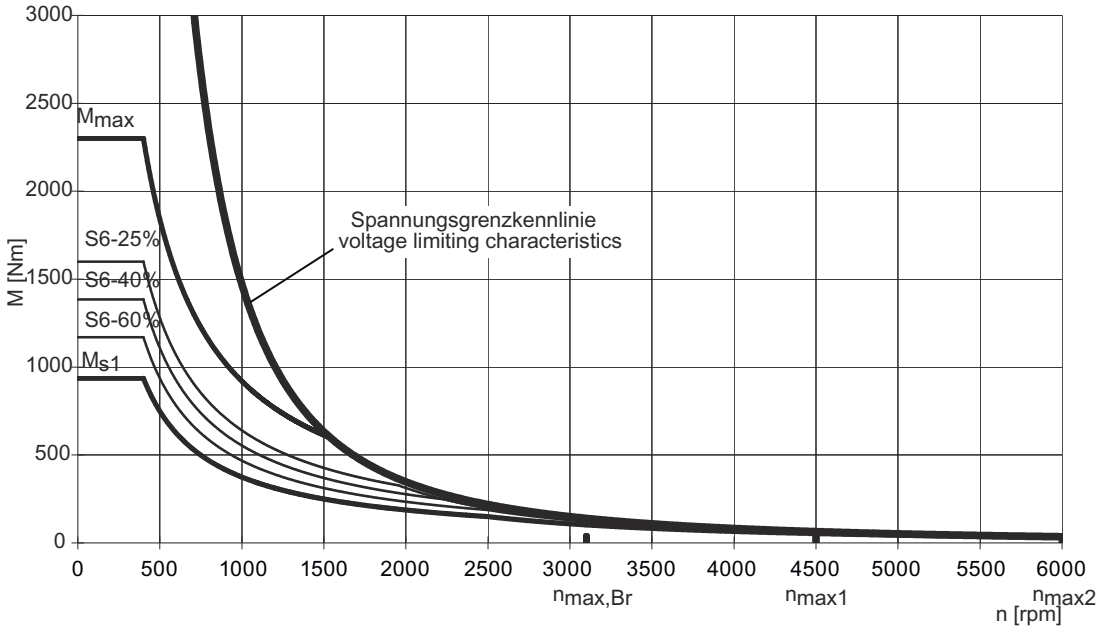
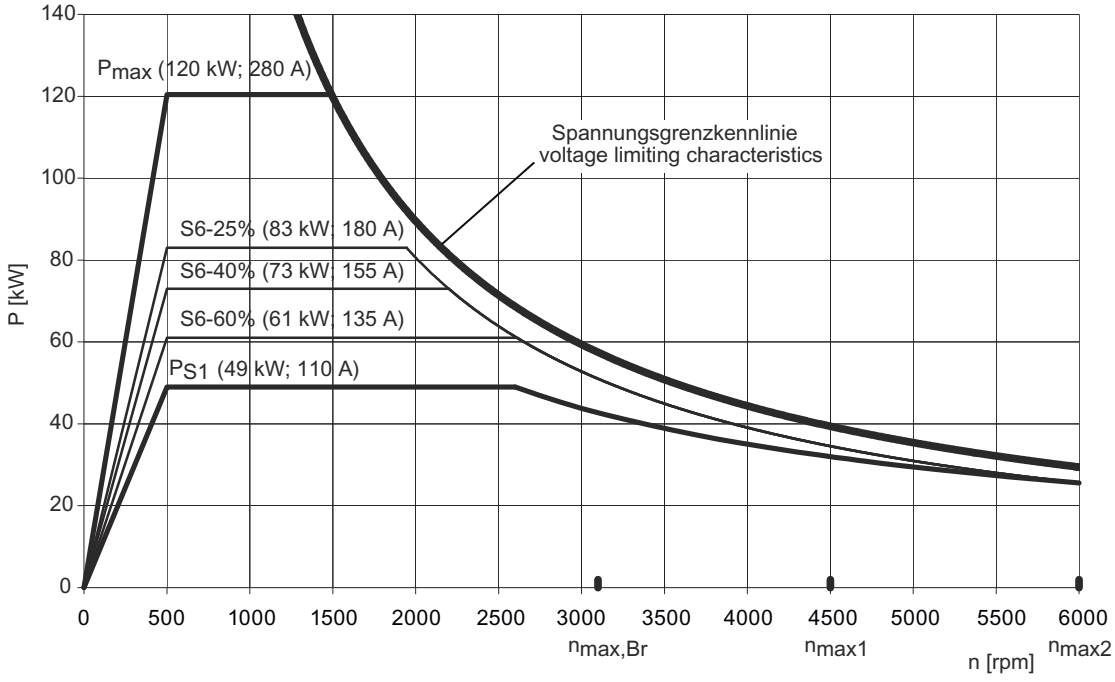


Table 2-120 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8226-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	49	936	110	4,500	6,000	-	3,100	2,600	2,300	280	936	110
400	39	936	112					3,500				



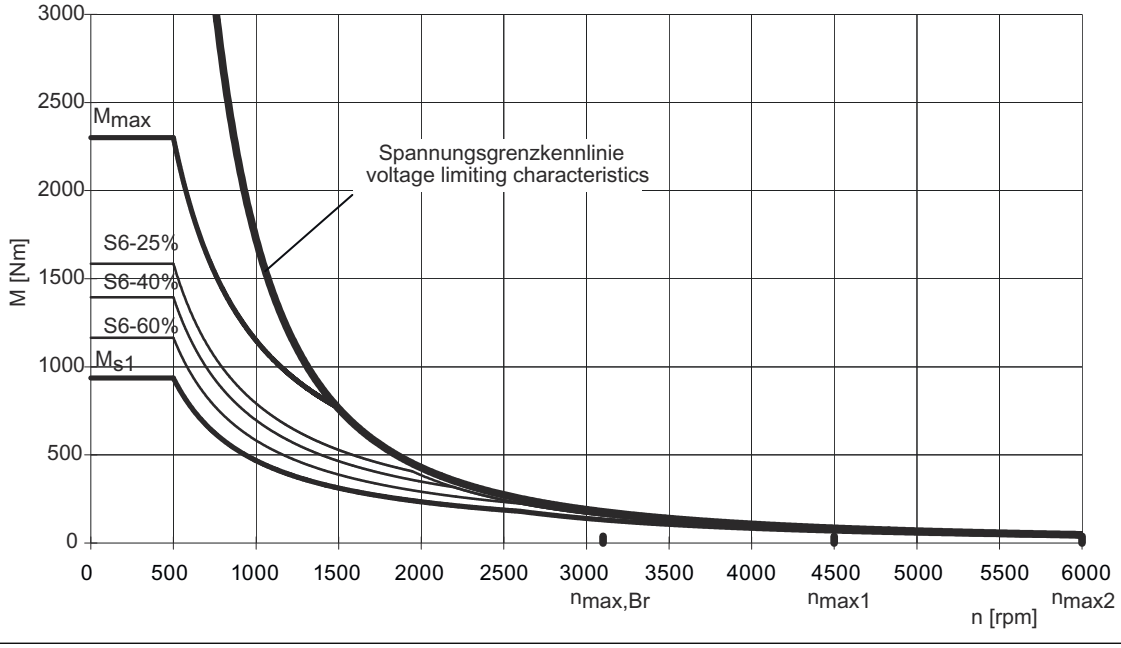


Table 2-121 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	59	939	110	4,500	6,000	-	3,100	2,700	2,300	280	939	110

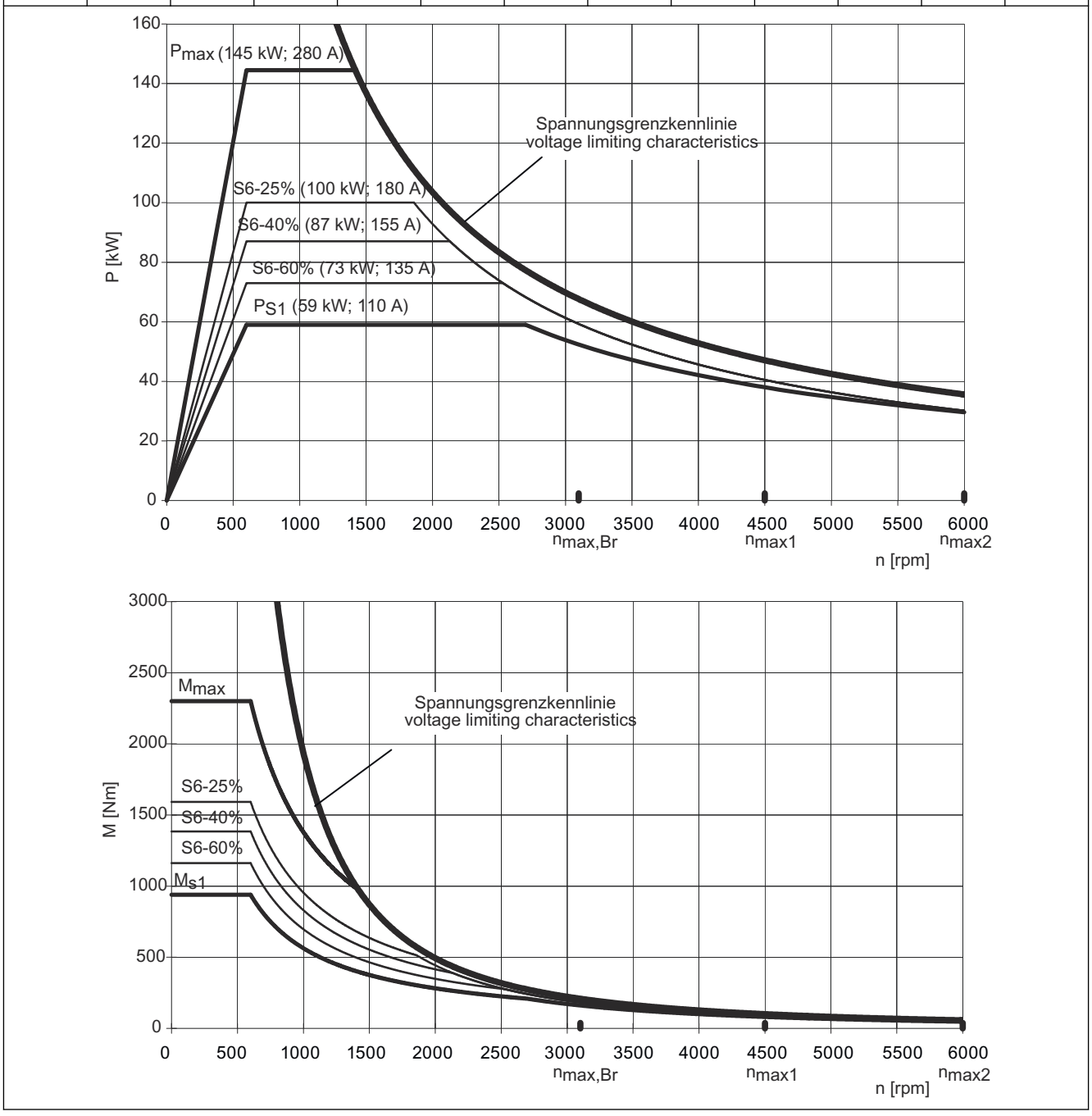
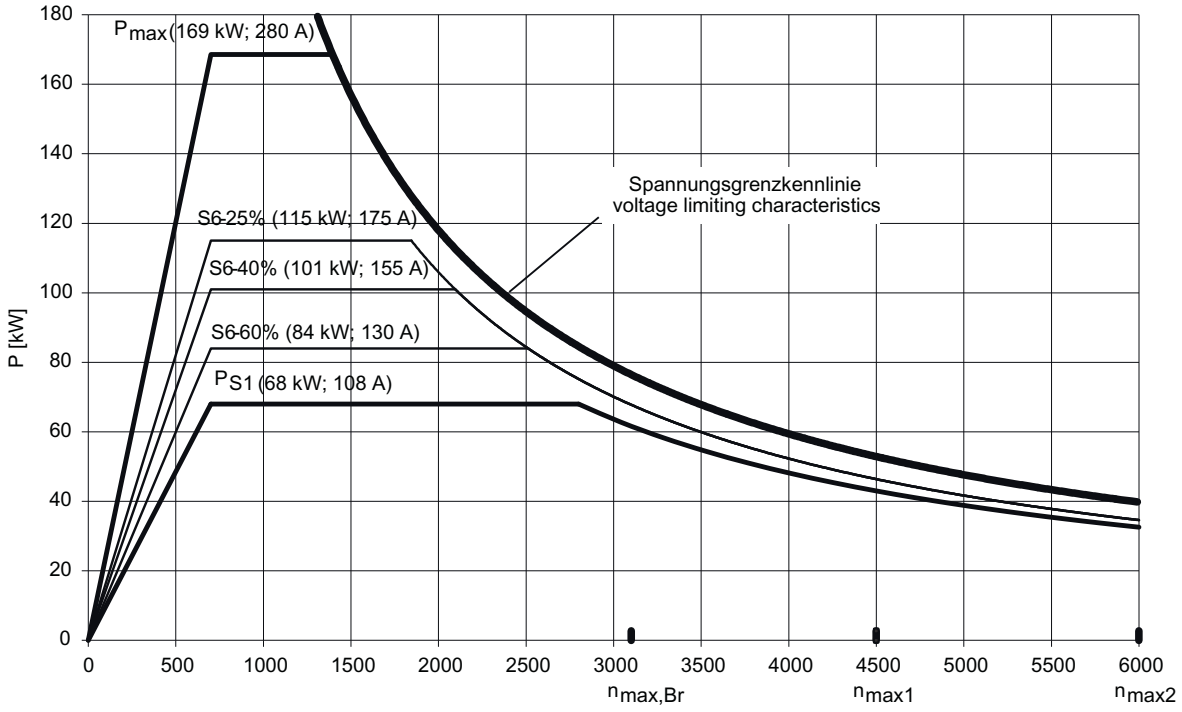


Table 2-122 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8226-□□B□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	68	928	108	4,500	6,000	-	3,100	2,800	2,300	280	936	108



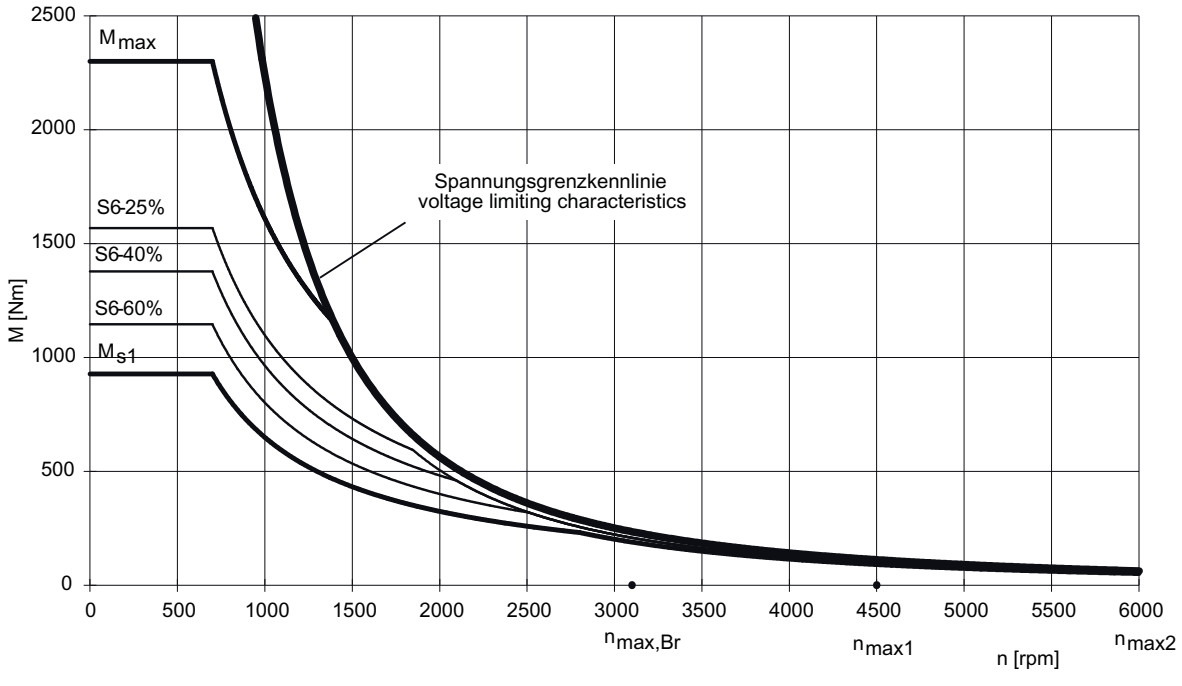


Table 2-123 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	68	928	162	4,500	6,000	-	3,100	3,100	2,300	380	928	162

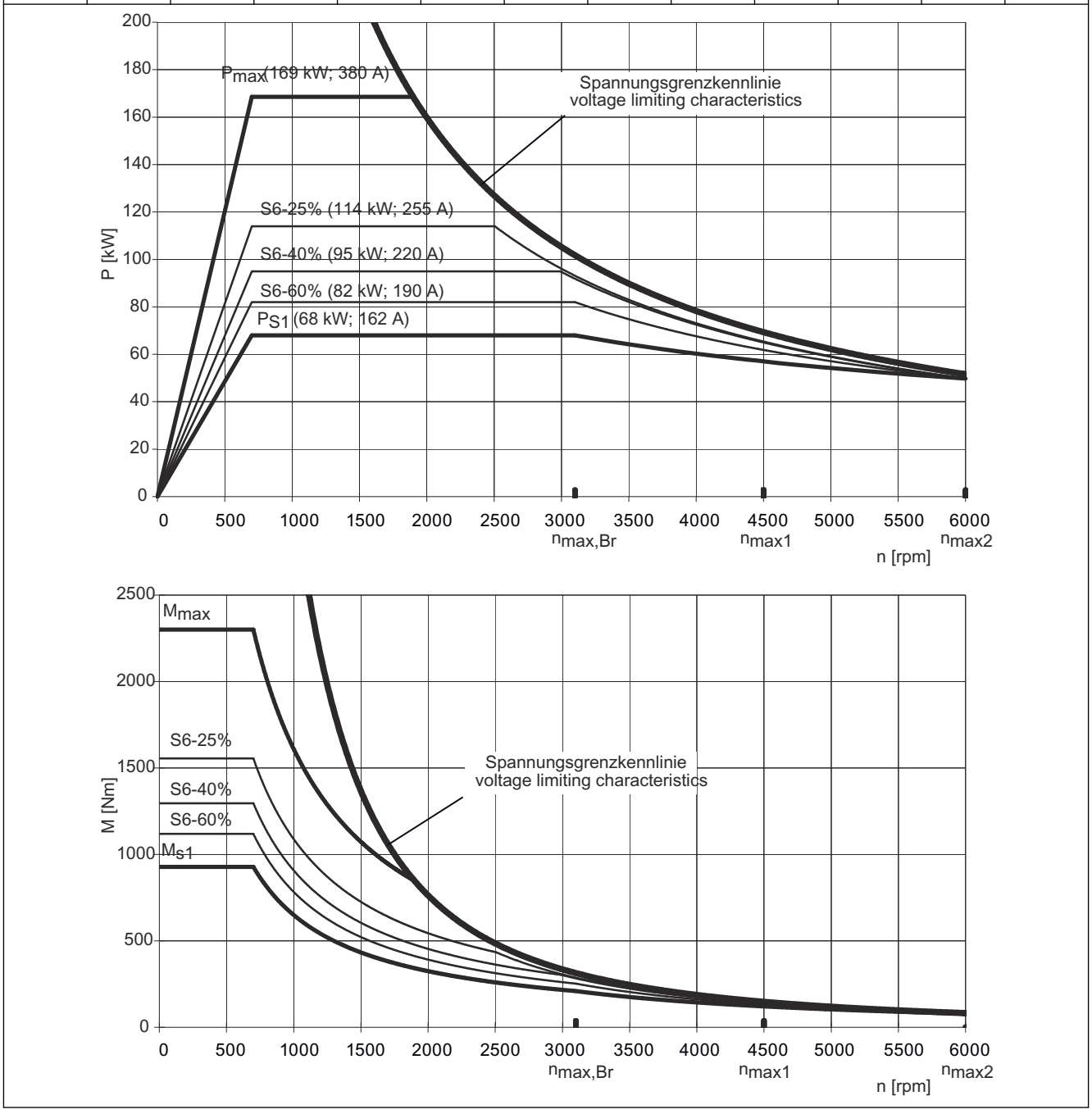


Table 2-124 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8226-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	73	872	154	4,500	6,000	-	3,100	3,600	2,300	380	872	154
700	68	928	162					4,300				

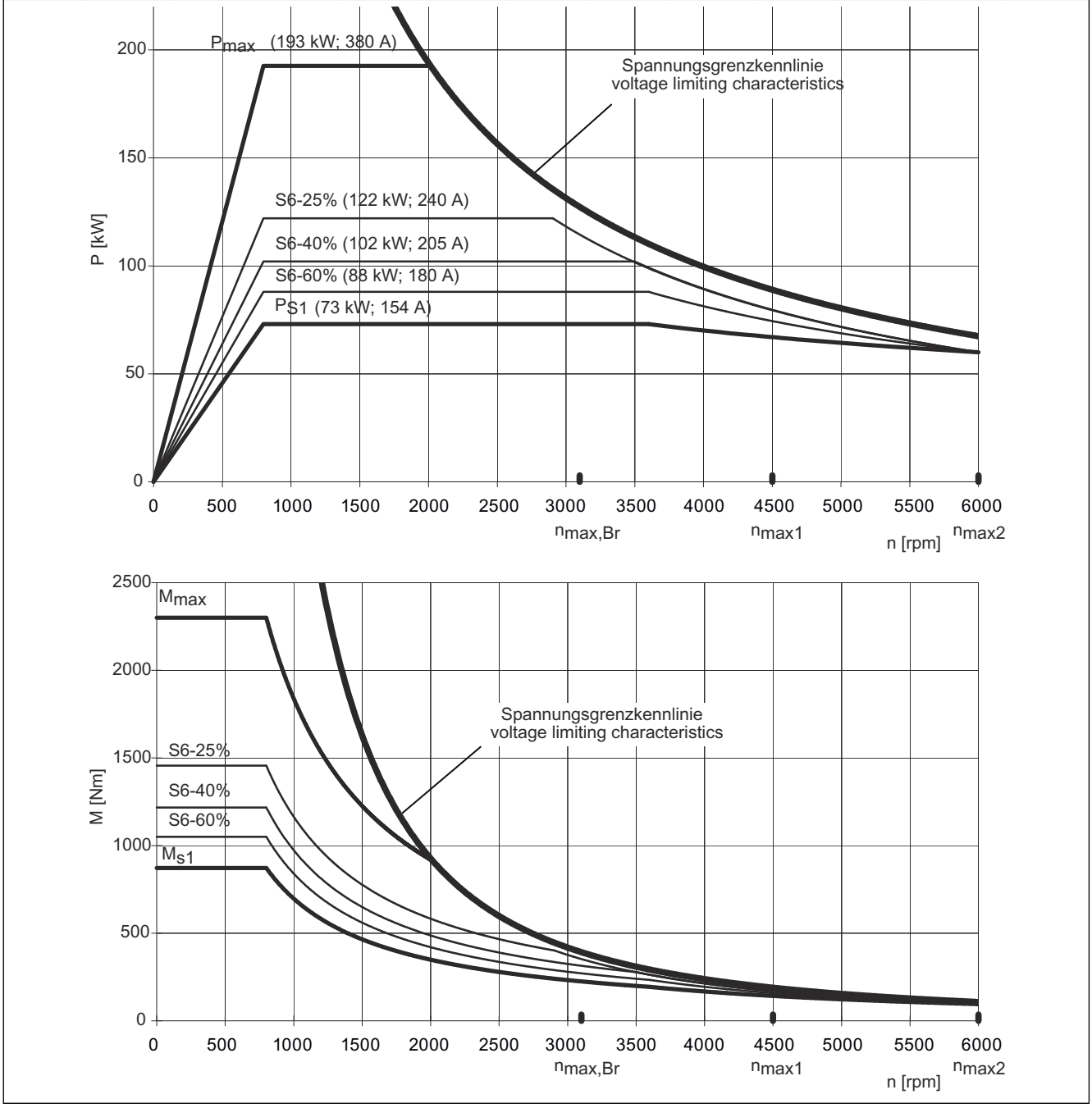


Table 2-125 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	92	879	156	4,500	6,000	-	3,100	3,900	2,300	380	879	156

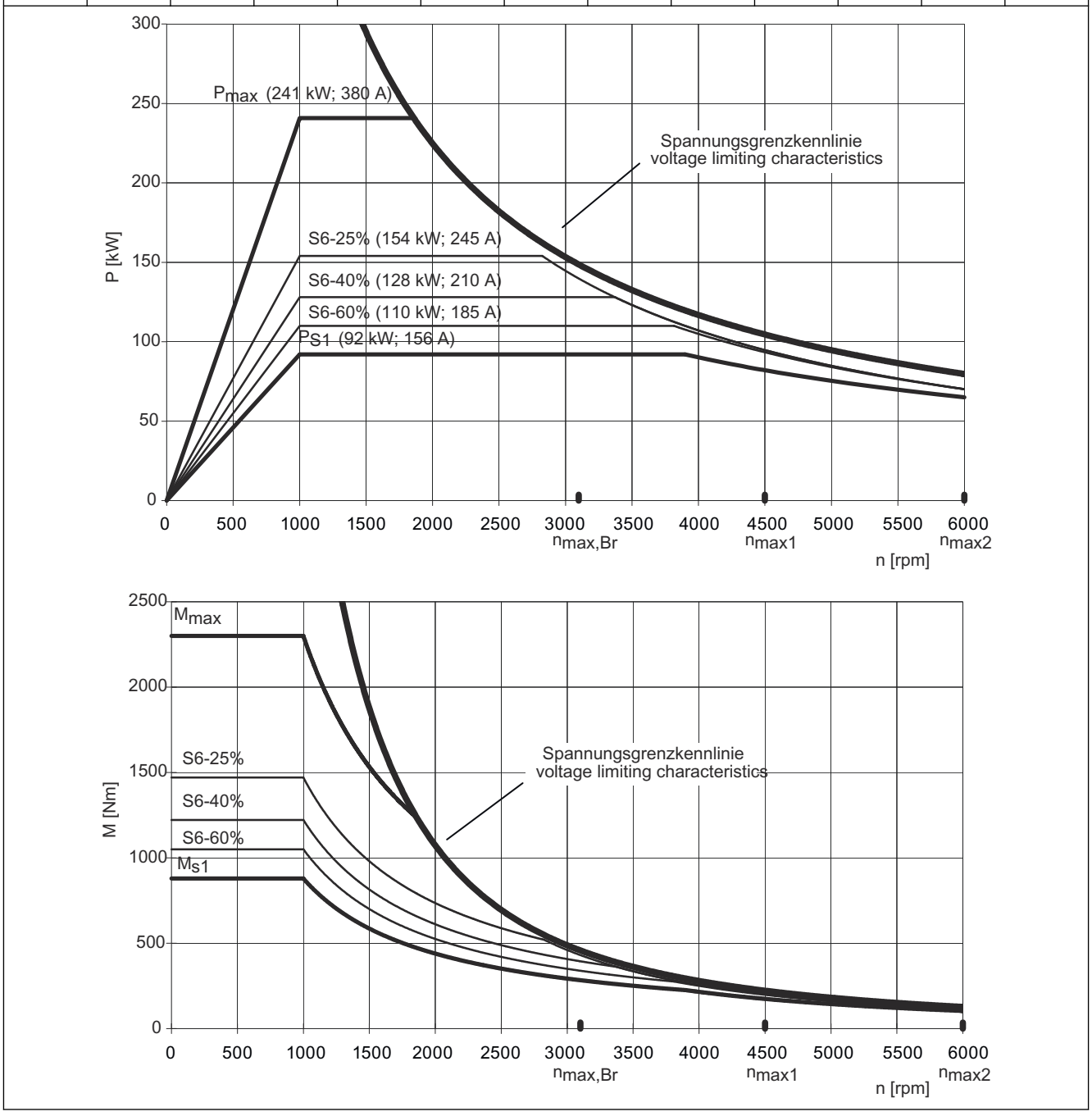


Table 2-126 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8226-□□C□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,100	101	877	154	4,500	6,000	-	3,100	3,900	2,300	380	928	154

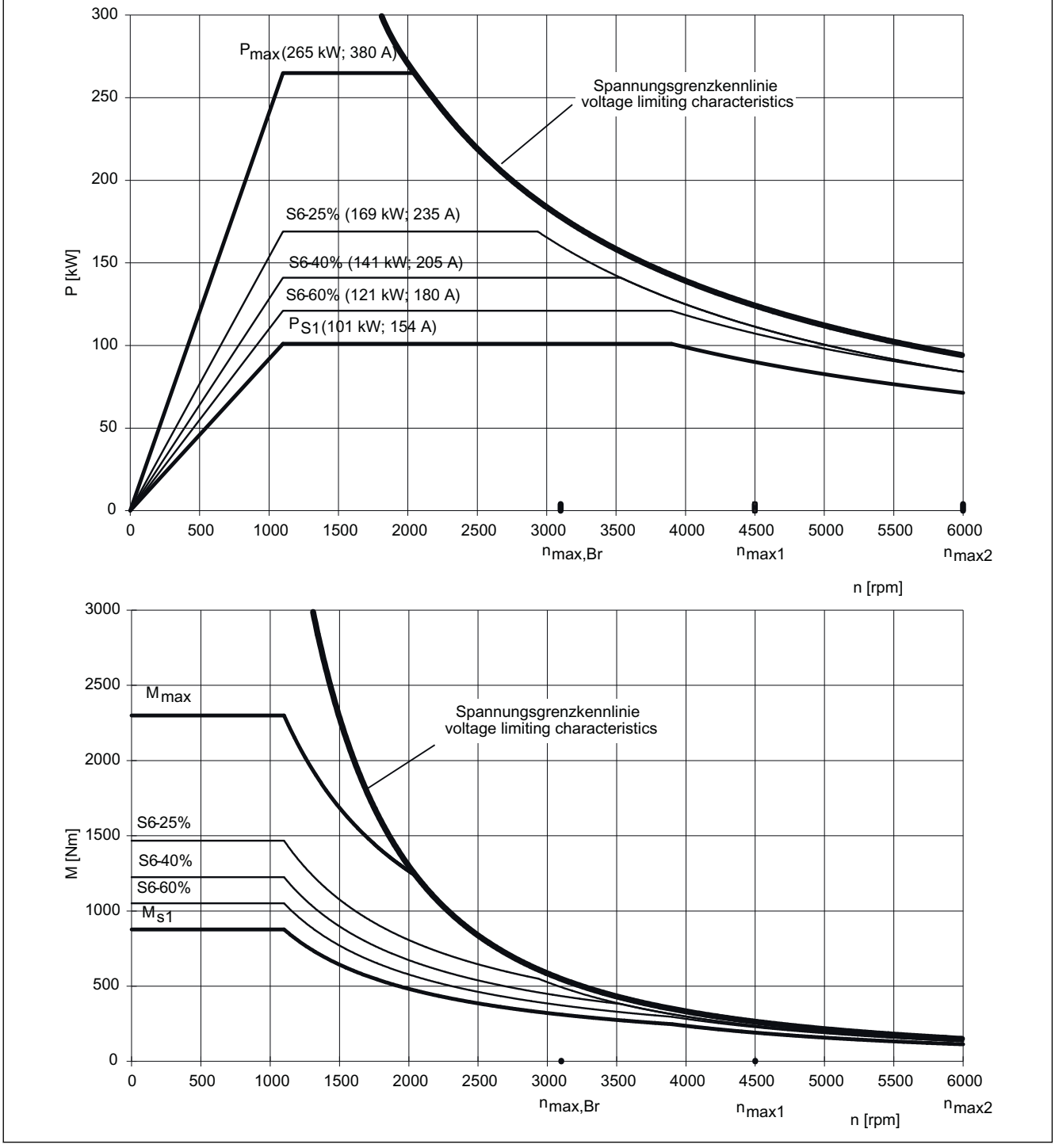


Table 2-127 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	92	879	194	4,500	6,000	-	3,100	3,300	2,300	485	879	194

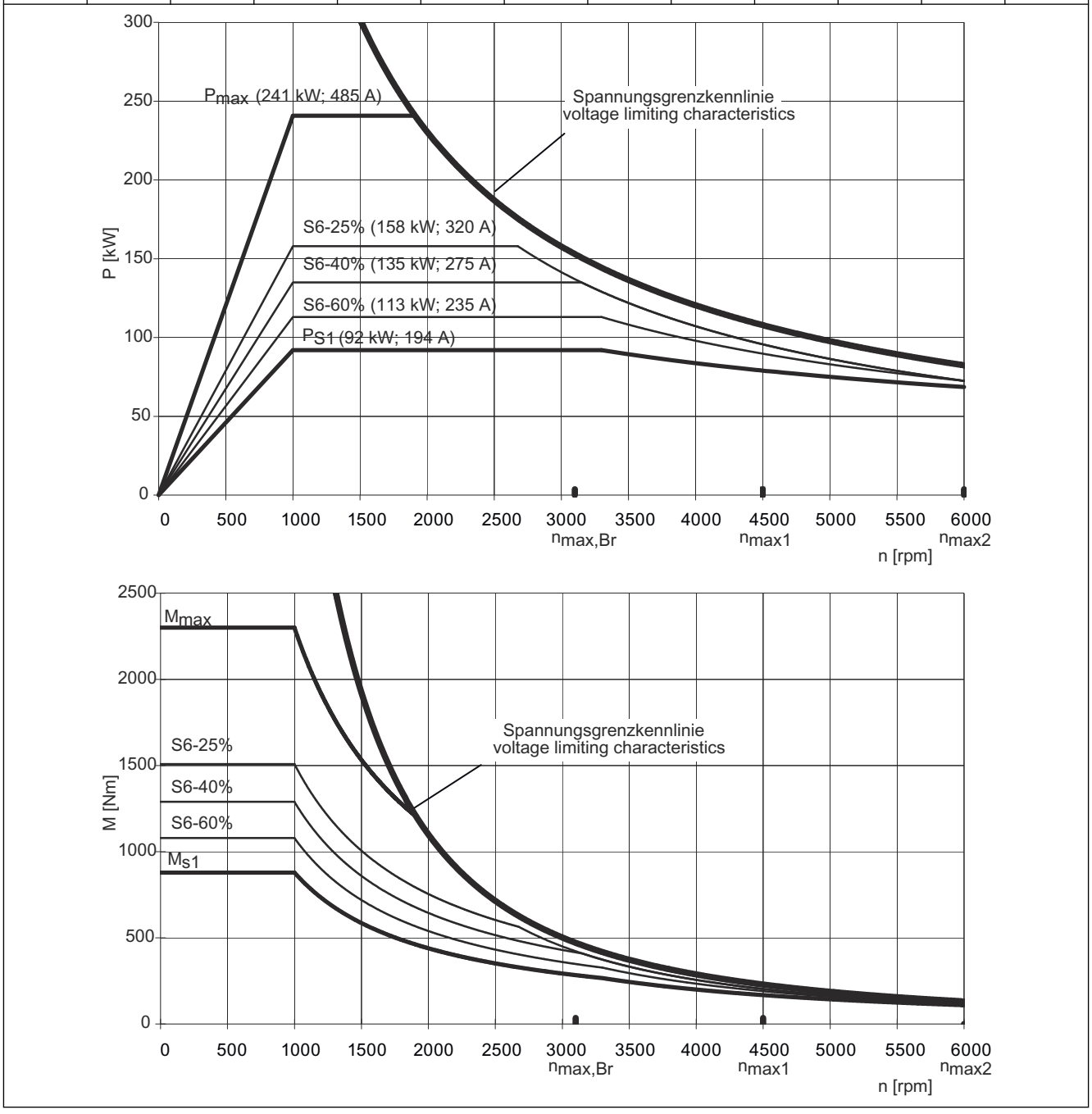
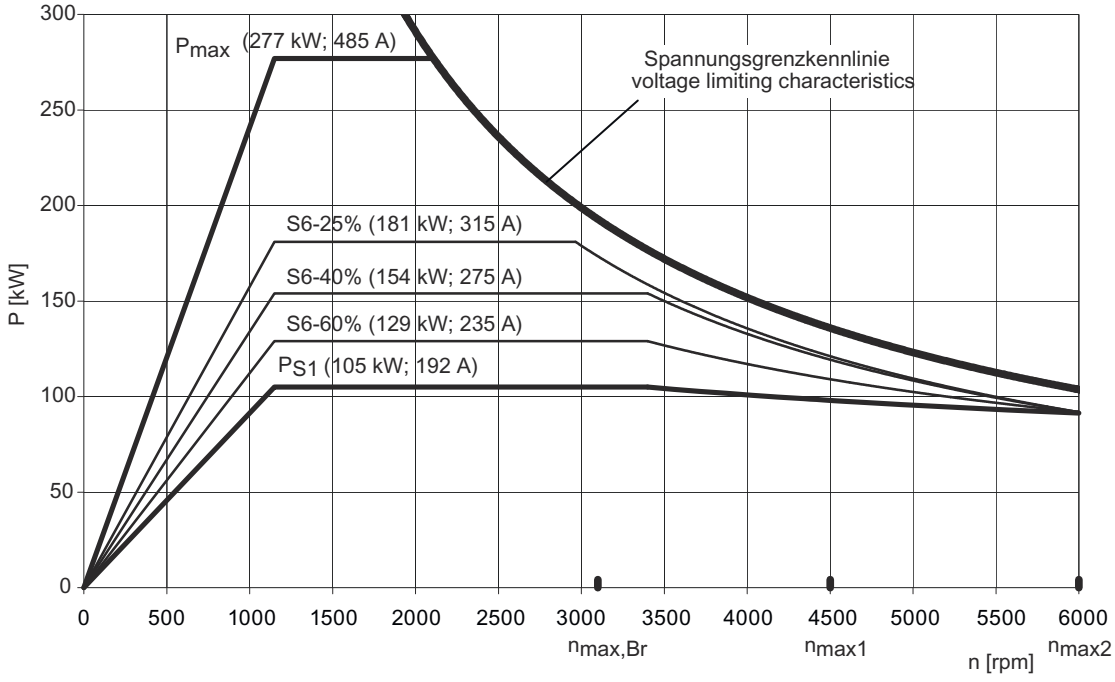


Table 2-128 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8226-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	105	872	192	4,500	6,000	-	3,100	3,400	2,300	485	872	192
1,000	92	879	194					5,800				



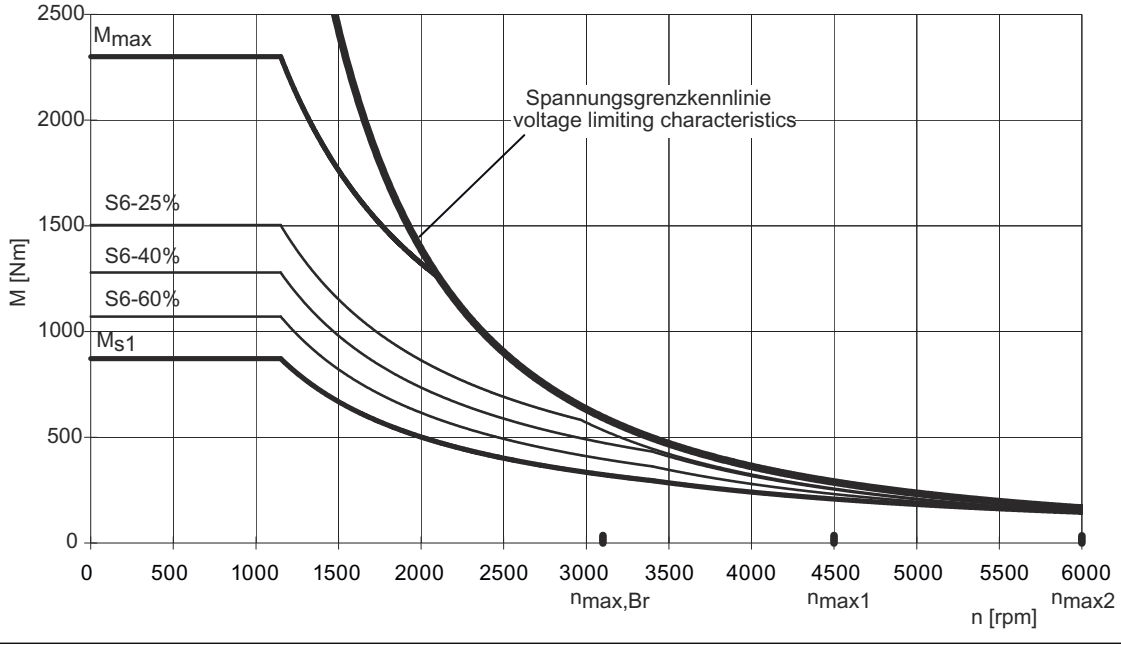
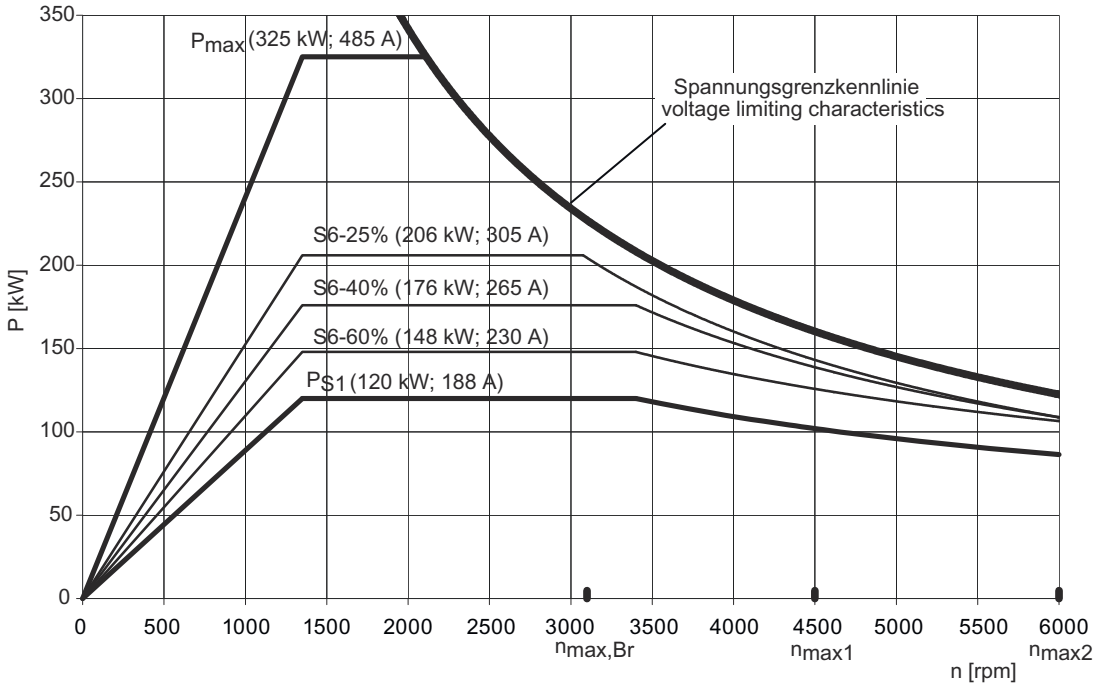


Table 2-129 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	120	849	188	4,500	6,000	-	3,100	3,400	2,300	485	849	188



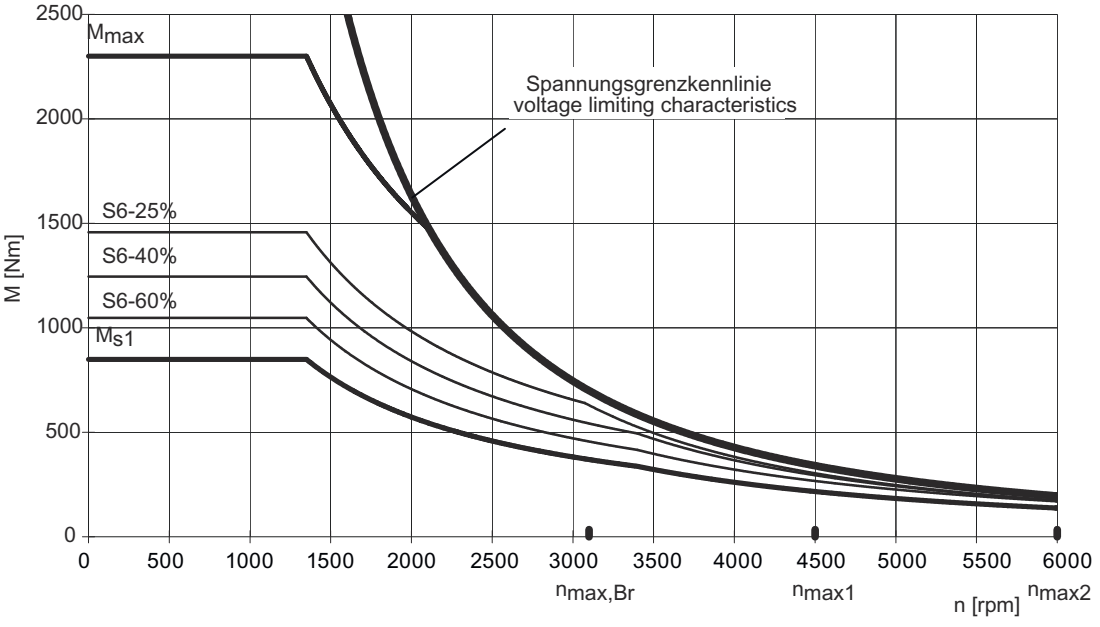
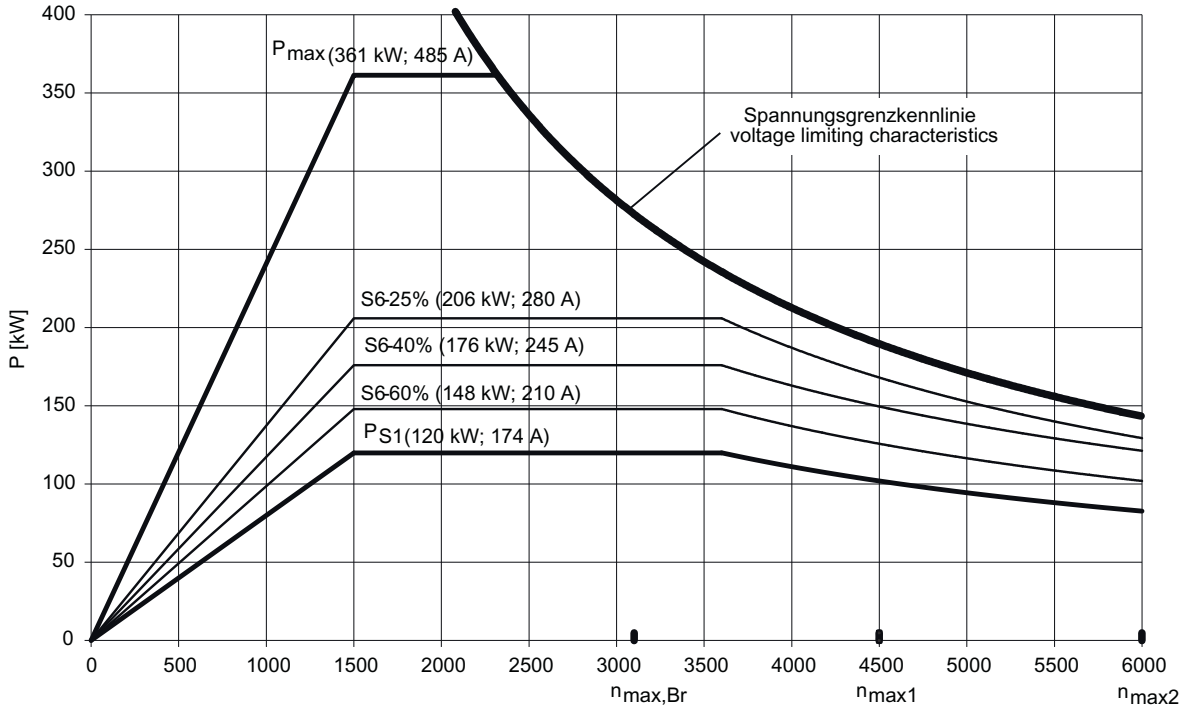


Table 2-130 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8226-□□D□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	120	764	174	4,500	6,000	-	3,100	3,600	2,300	485	879	174



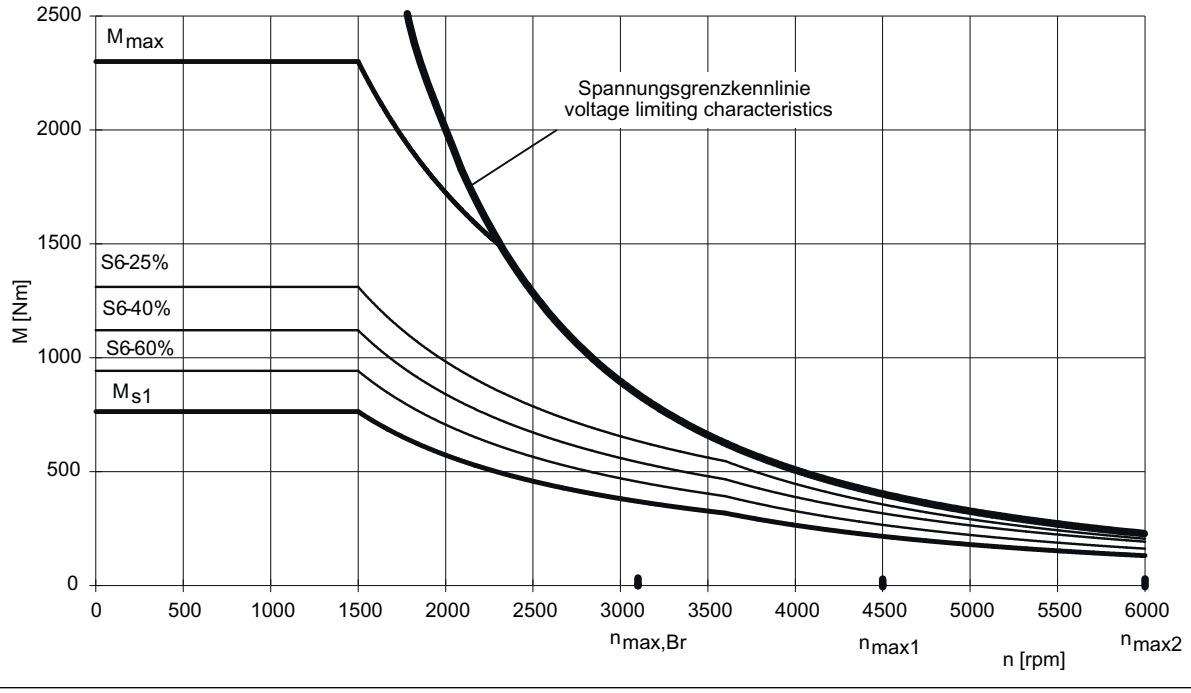


Table 2-131 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	130	828	270	4,500	6,000	-	3,100	3,300	1,850	570	828	270

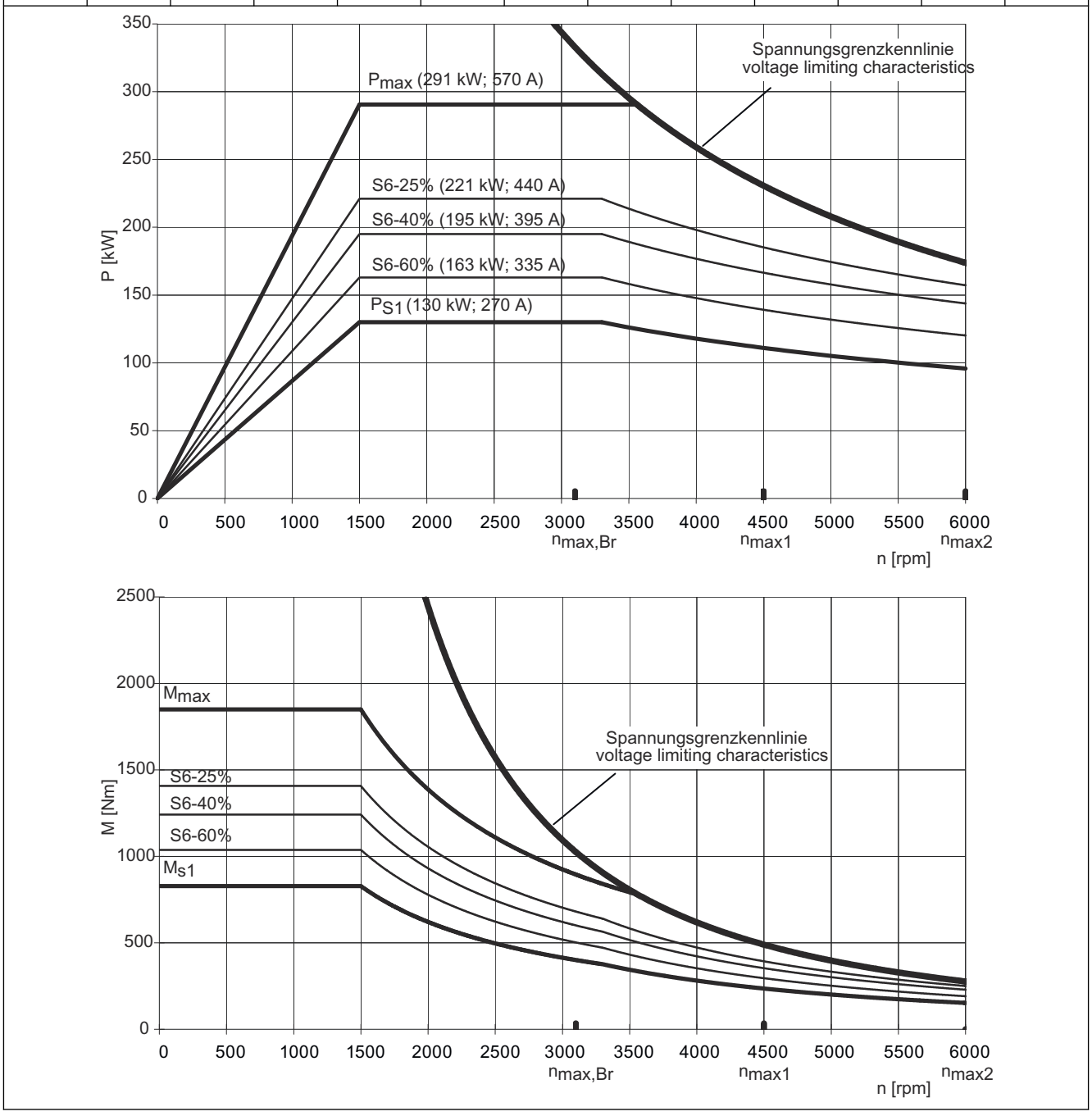
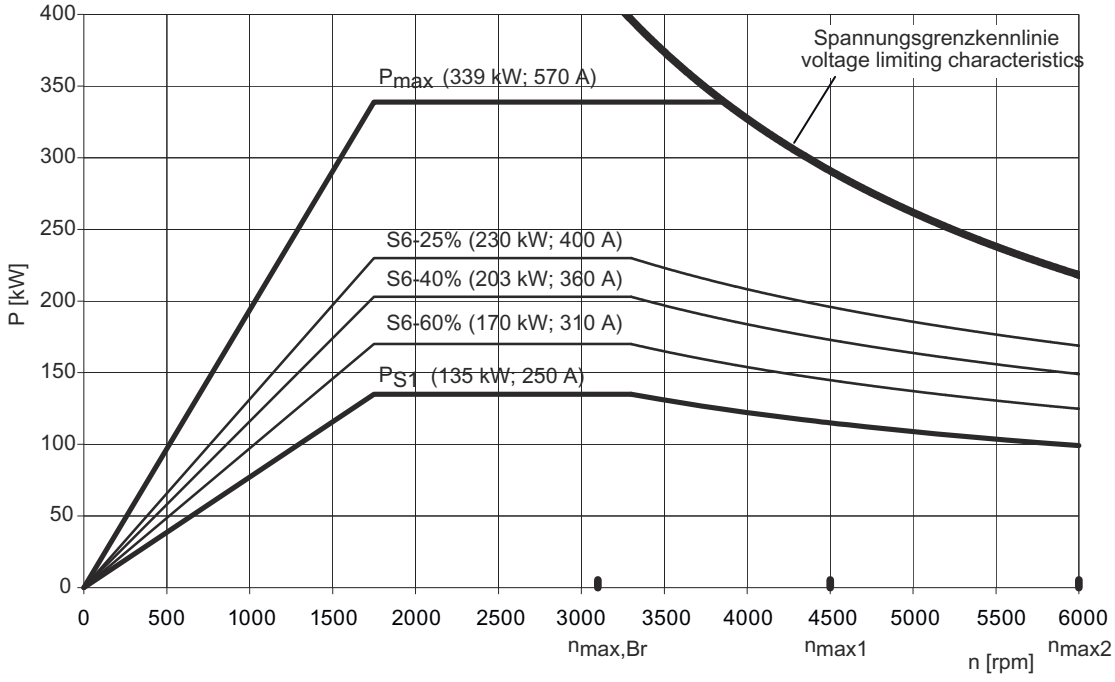


Table 2-132 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8226-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	135	737	250	4,500	6,000	-	3,100	3,300	1,850	570	737	250
1,500	130	828	270					3,500				



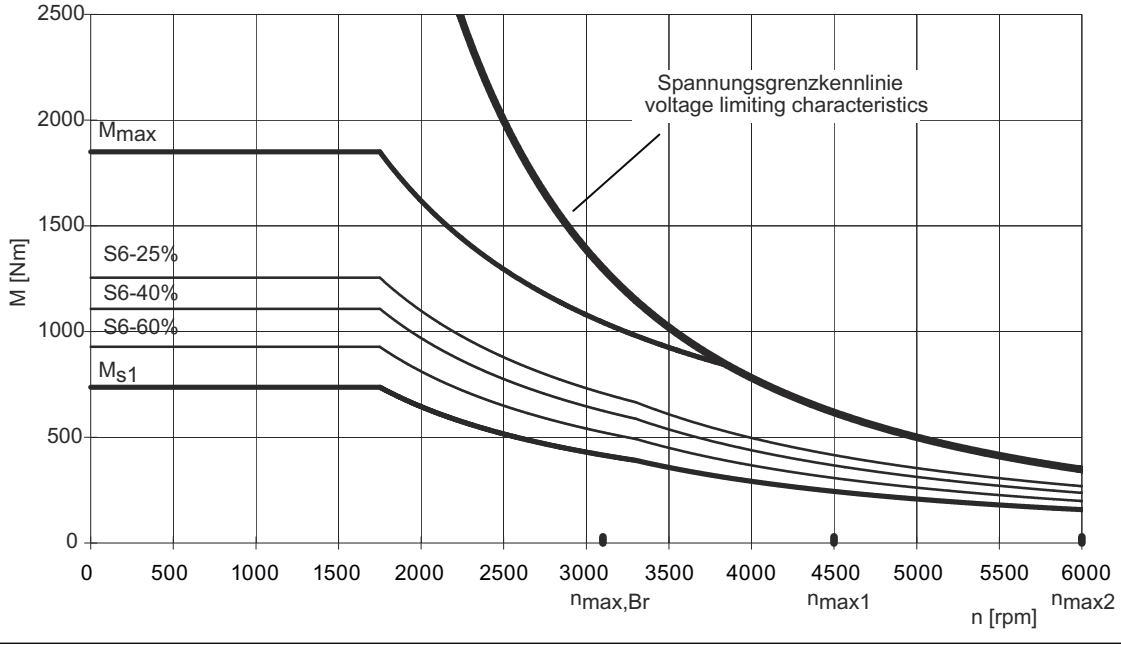


Table 2-133 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	153	731	245	4,500	6,000	-	3,100	3,100	1,850	570	731	245

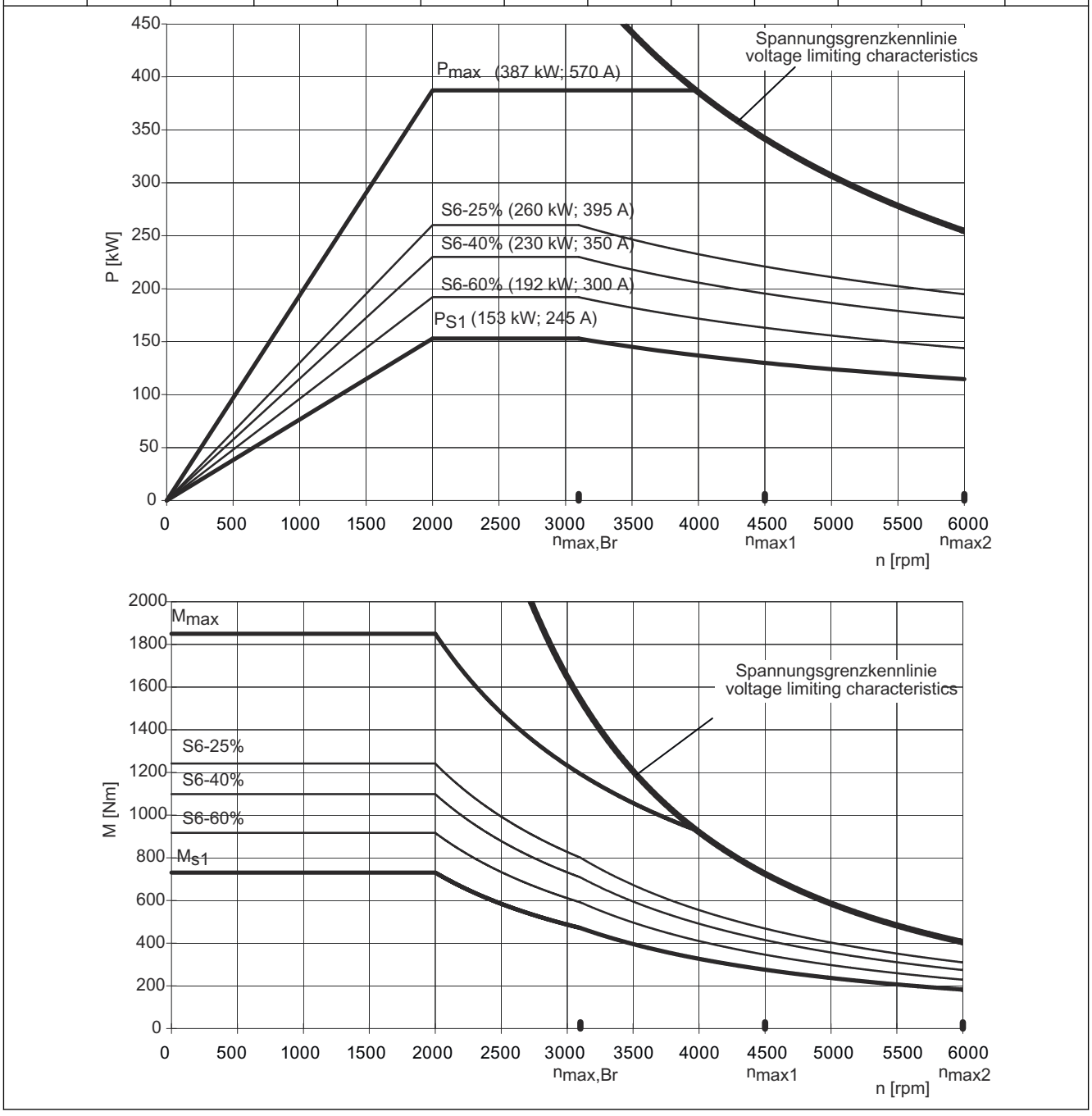
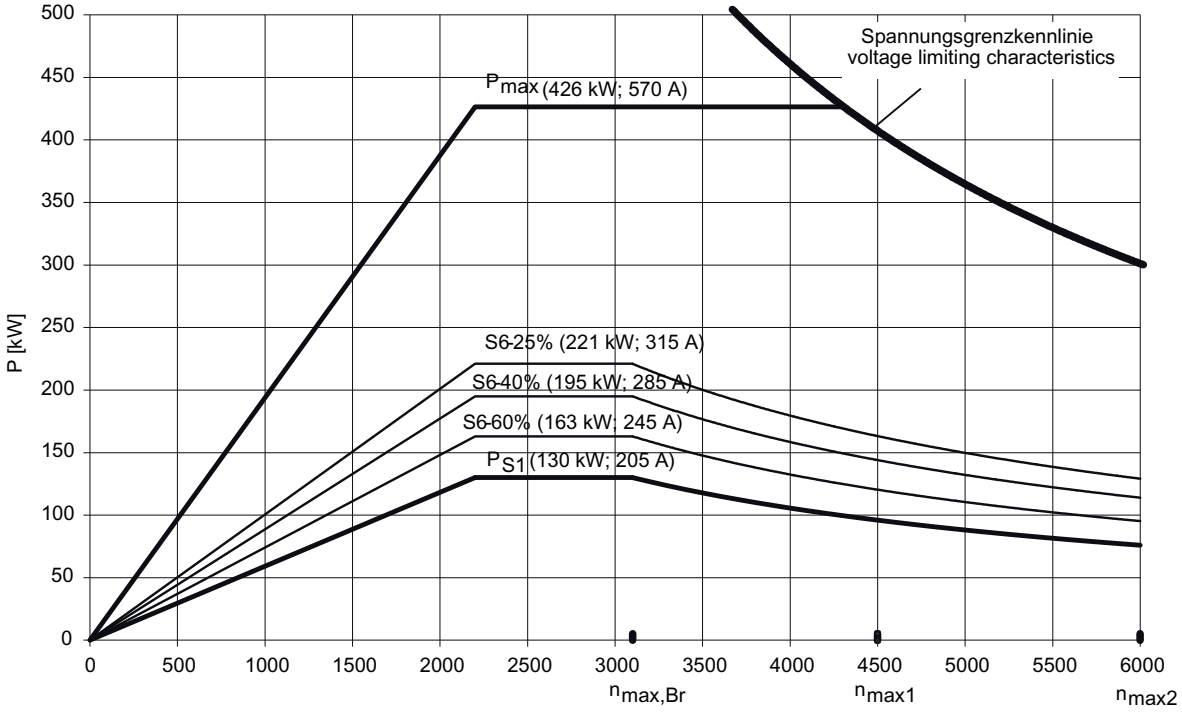


Table 2-134 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8226-□□F□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,200	130	564	205	4,500	6,000	-	3,100	3,100	1,850	570	828	205



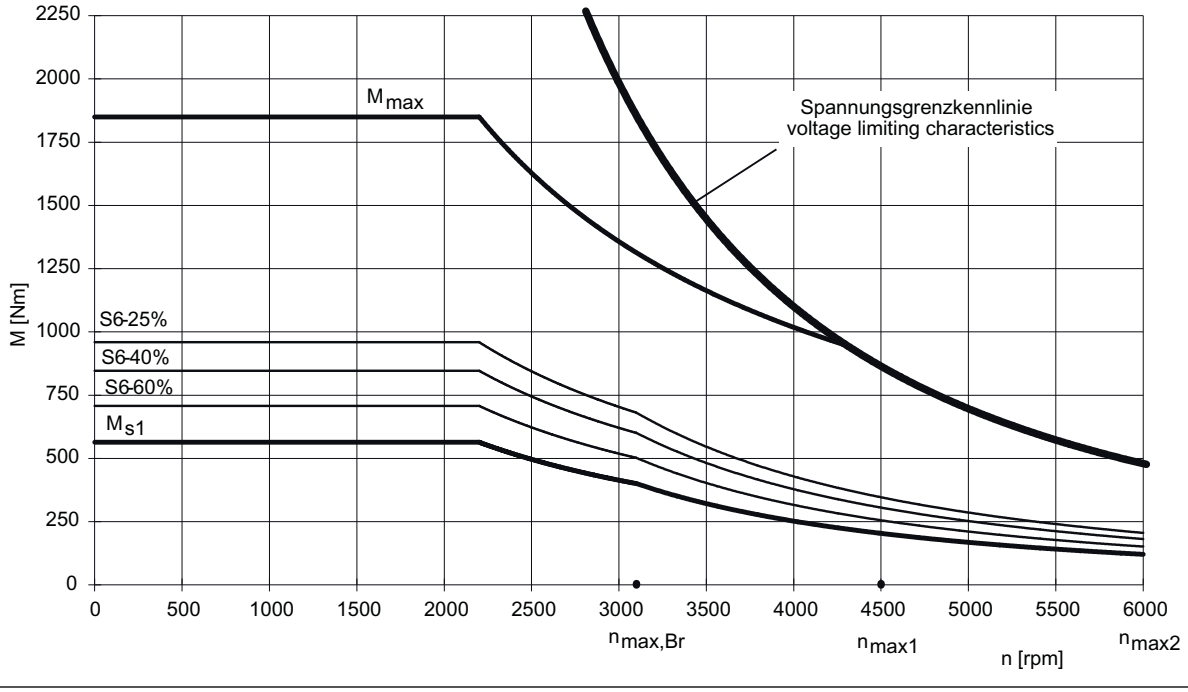
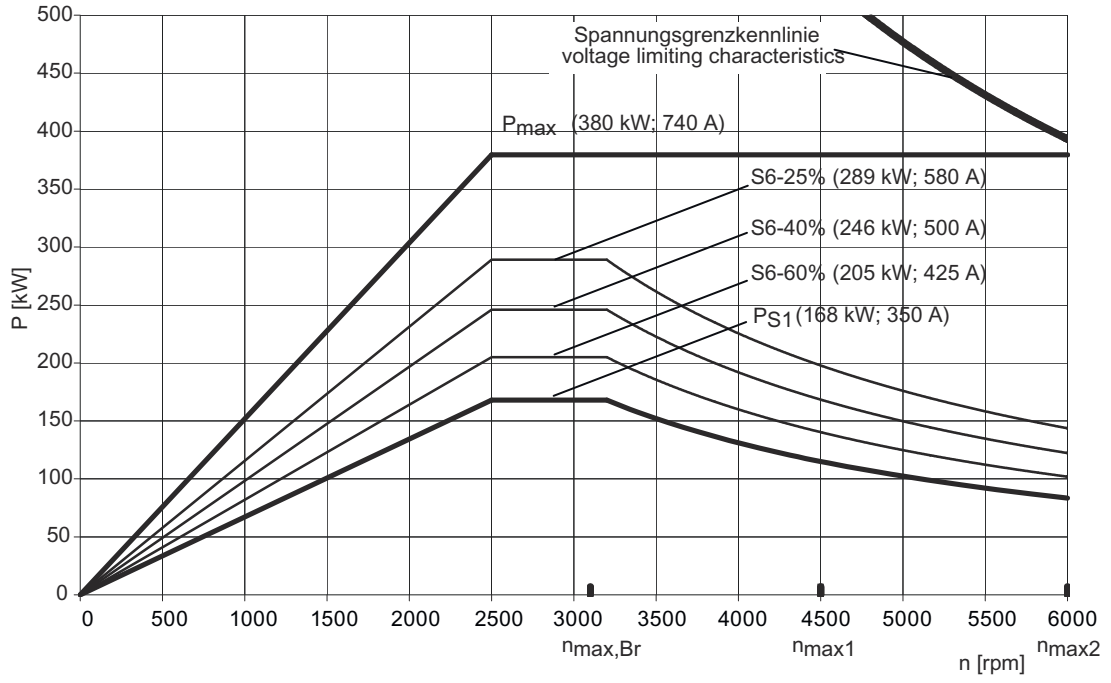


Table 2-135 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□L□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,500	168	642	350	4,500	6,000	-	3,100	3,200	1,450	740	642	350



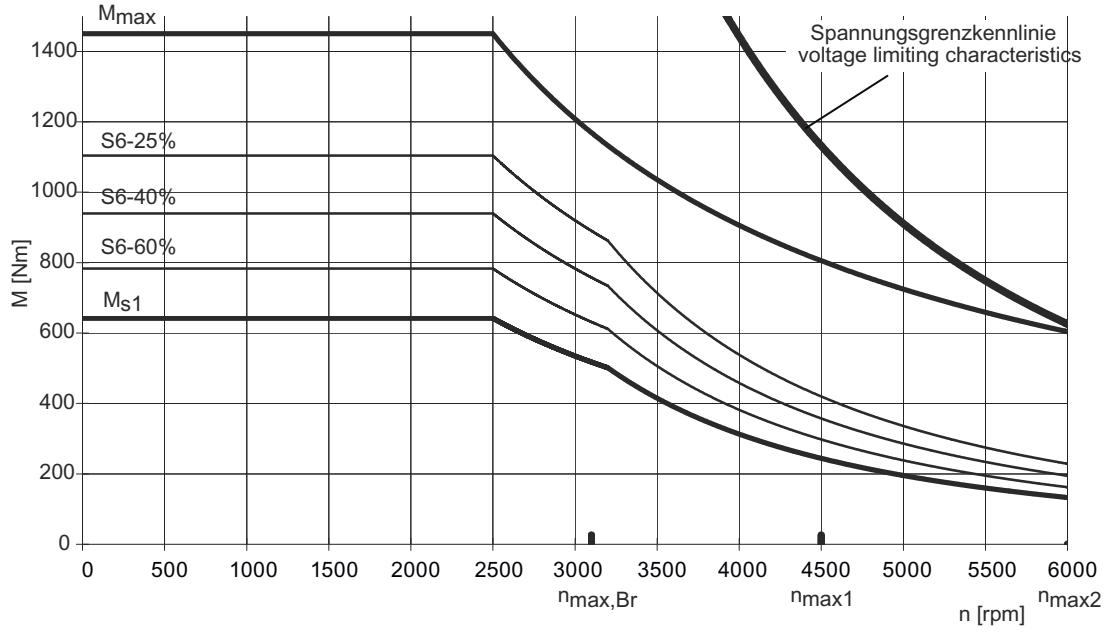


Table 2-136 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8226-□□L□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,900	185	609	335	4,500	6,000	-	3,100	3,300	1,450	740	609	335
2,500	168	642	350					3,500				

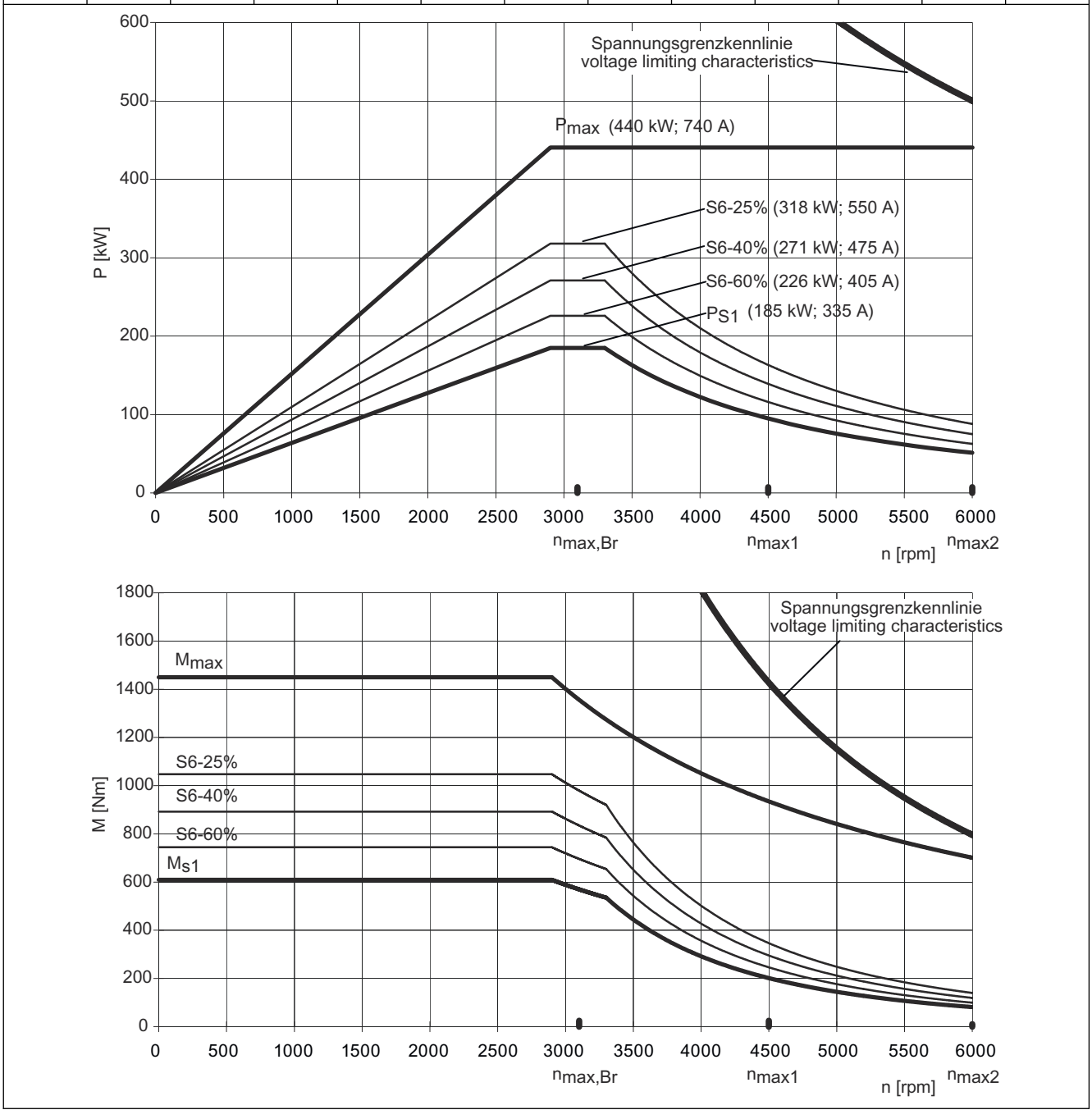
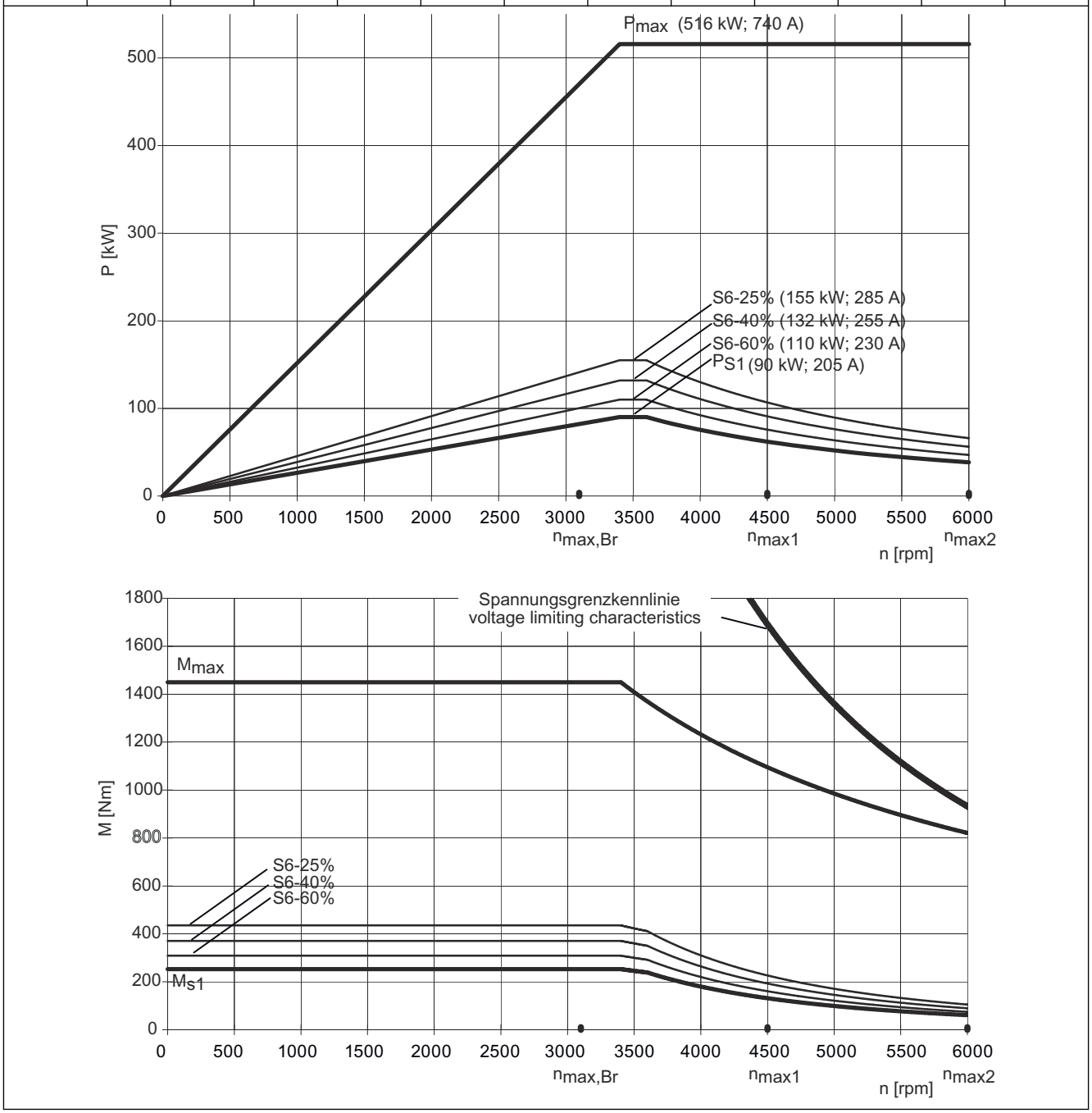


Table 2-137 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8226-□□L□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
3,400	90	253	205	4,500	6,000	-	3,100	3,600	1,450	740	253	205



Note: In this electrical version (L winding), supplementary losses that are disproportionately high relative to the speed occur at high connection voltages (480 V 3AC), depending on the modulation depth of the converter. To comply with the permissible motor temperature, a power reduction must be considered in the configuration.

Table 2-138 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	48	1,146	132	4,500	6,000	-	3,100	2,600	2,750	315	1,146	132

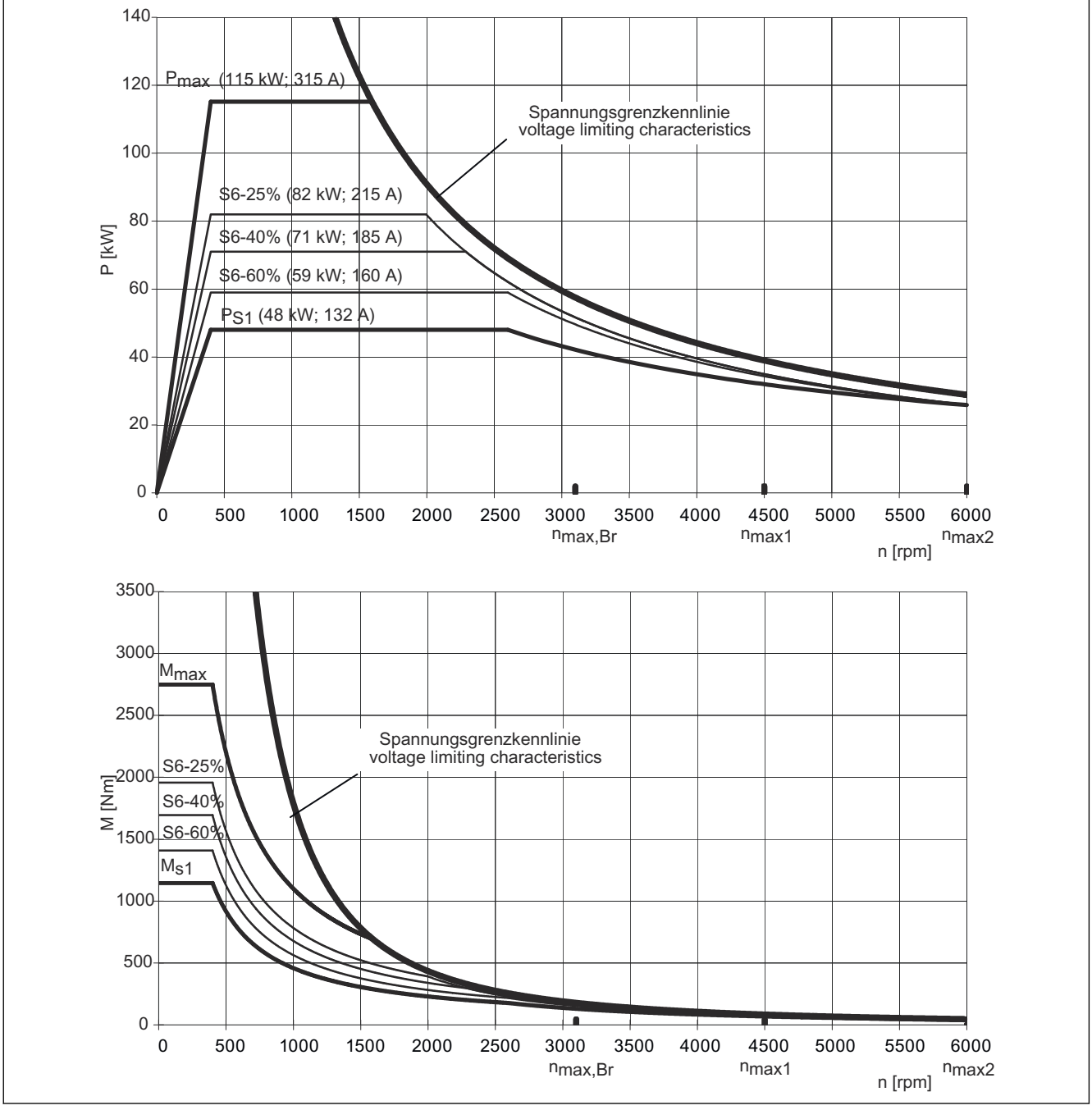
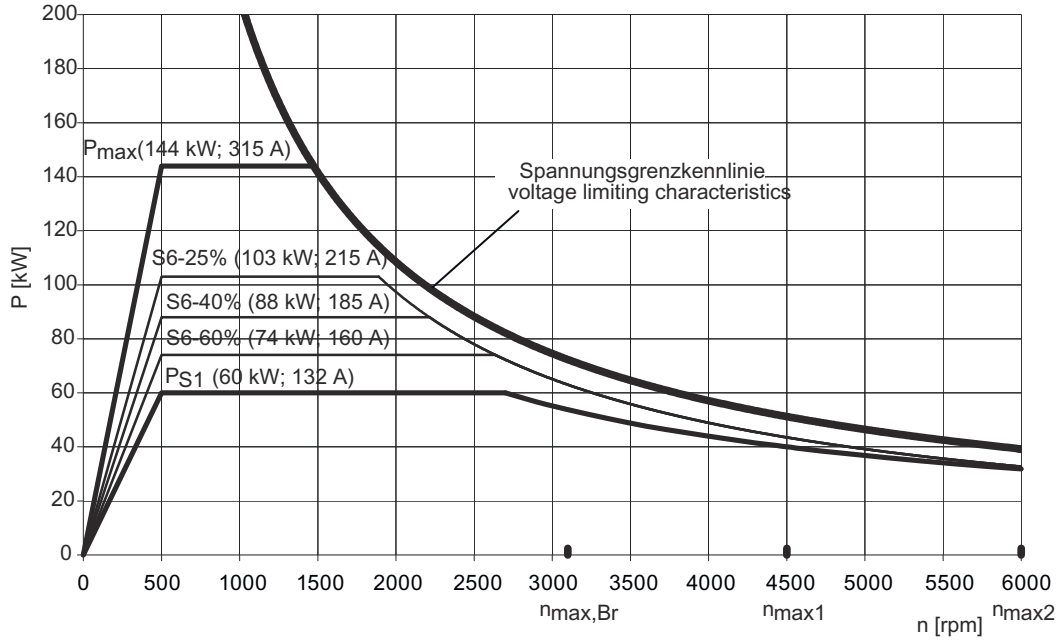


Table 2-139 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8228-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	60	1,146	132	4,500	6,000	-	3,100	2,700	2,750	315	1,146	132
400	48	1,146	132					3,600				



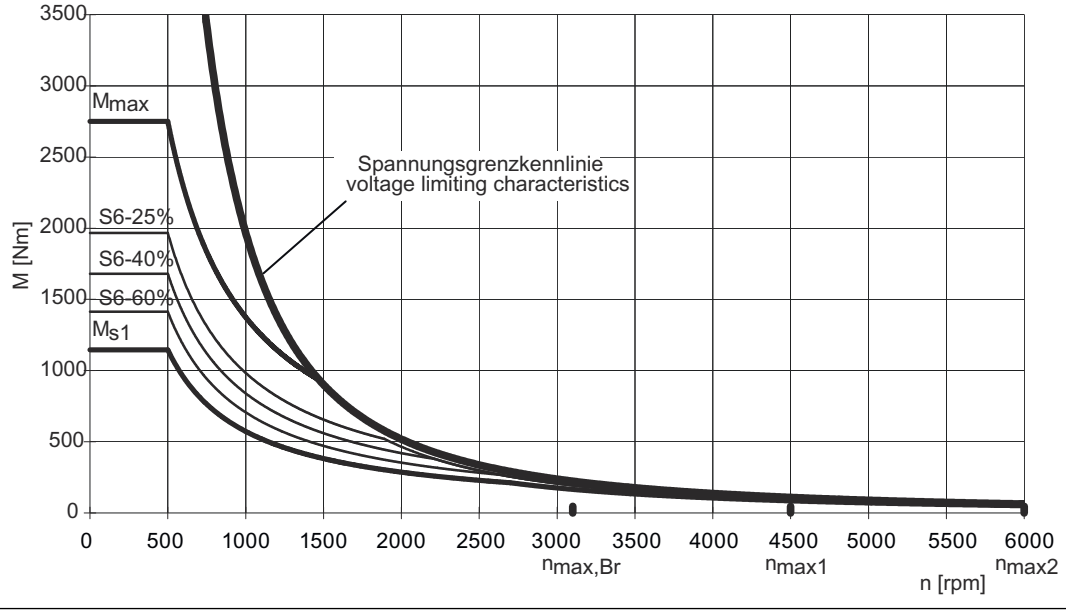
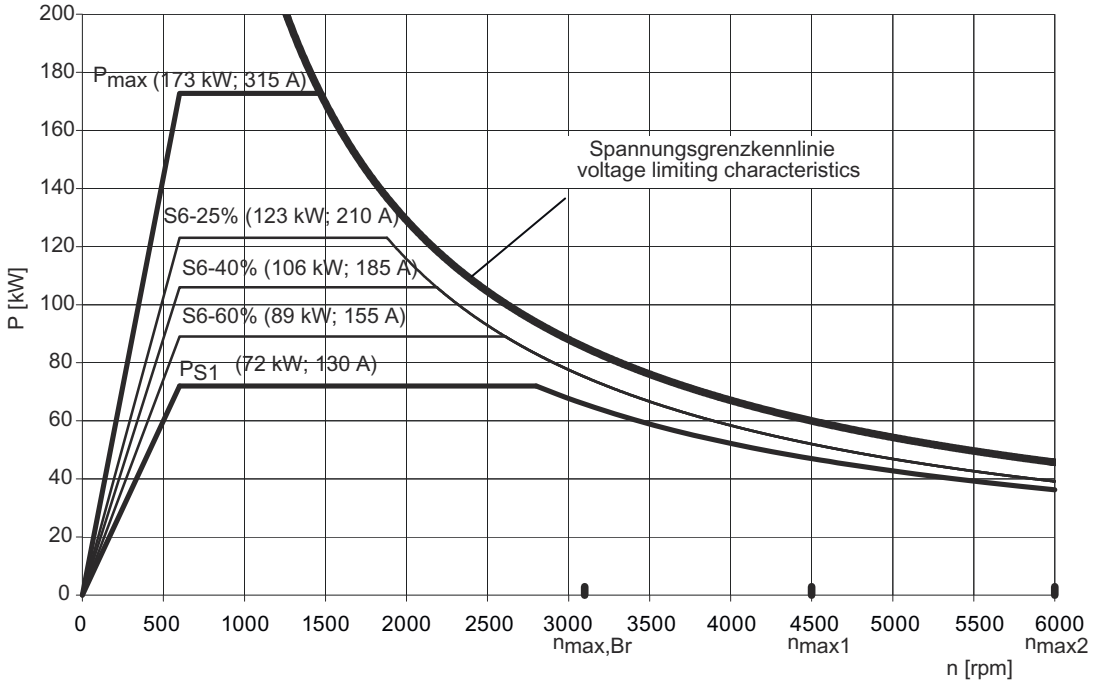


Table 2-140 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□B□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	72	1,146	130	4,500	6,000	-	3,100	2,800	2,750	315	1,146	130



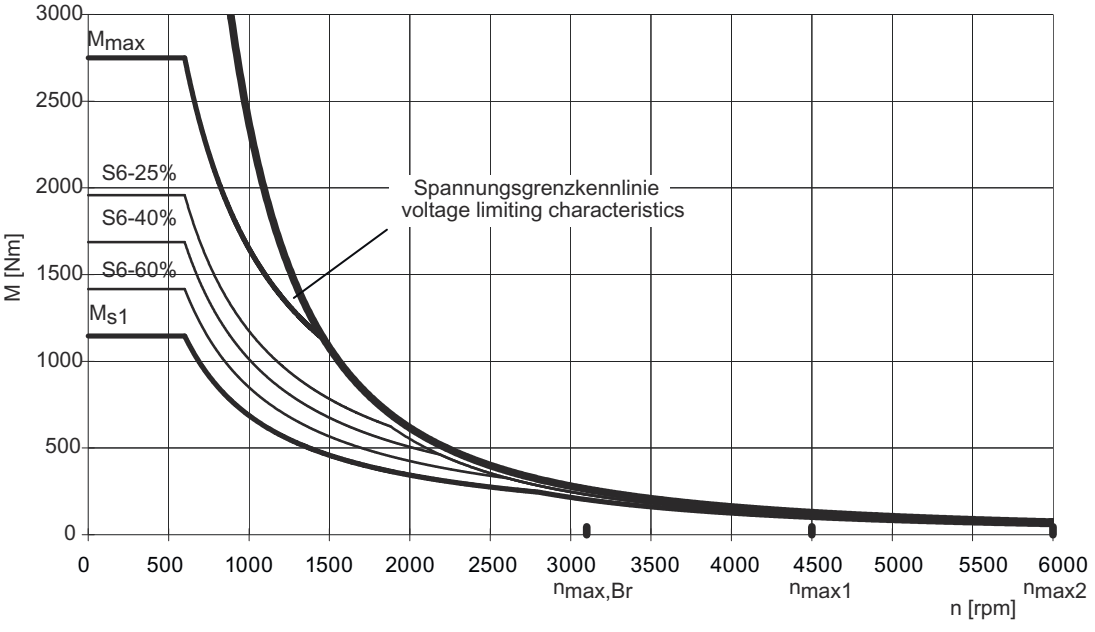


Table 2-141 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8228-□□B□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	84	1,146	130	4,500	6,000	-	3,100	2,900	2,750	315	1,146	130

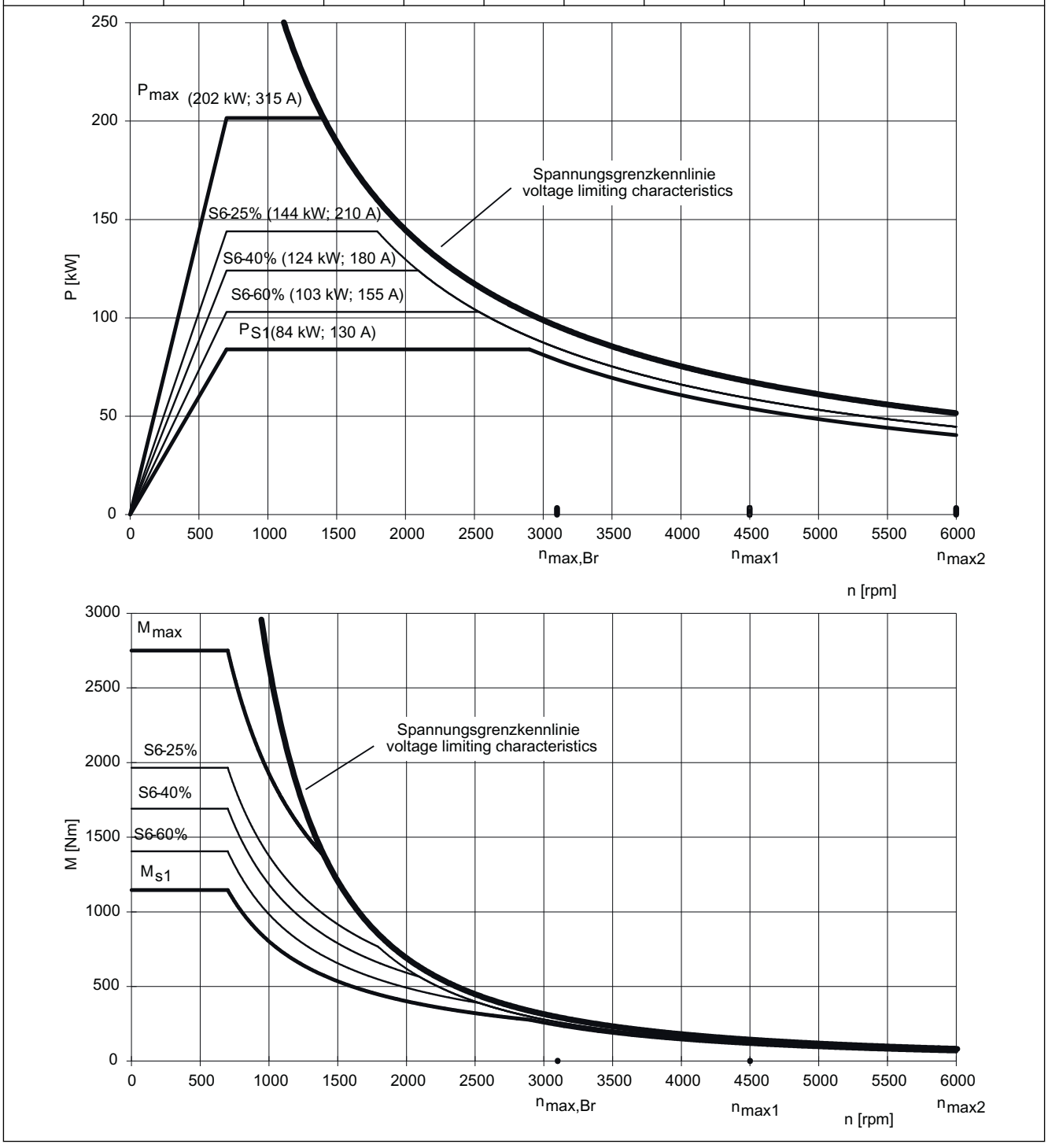


Table 2-142 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	82	1,119	188	4,500	6,000	-	3,100	3,300	2,750	445	1,119	188

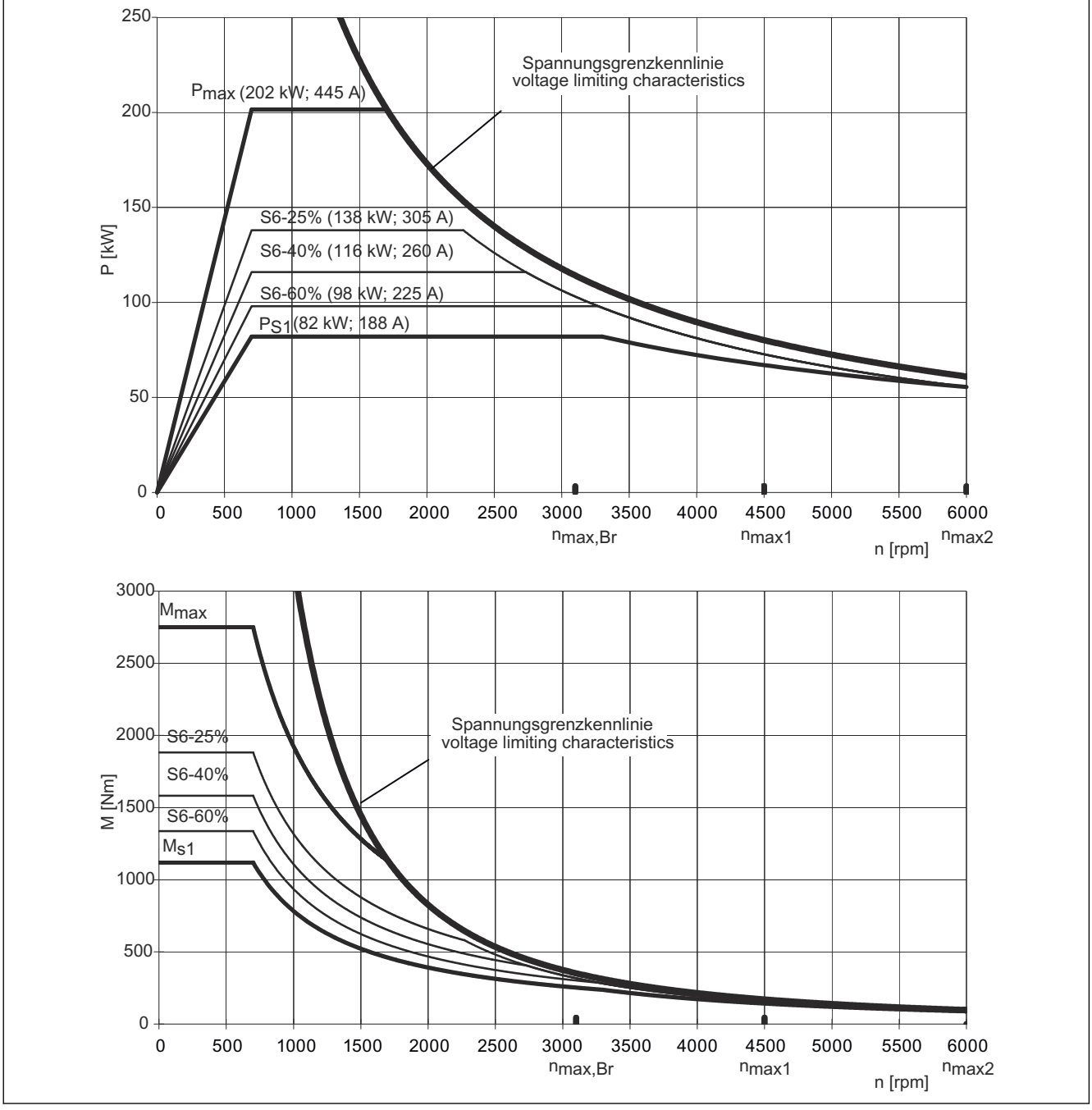
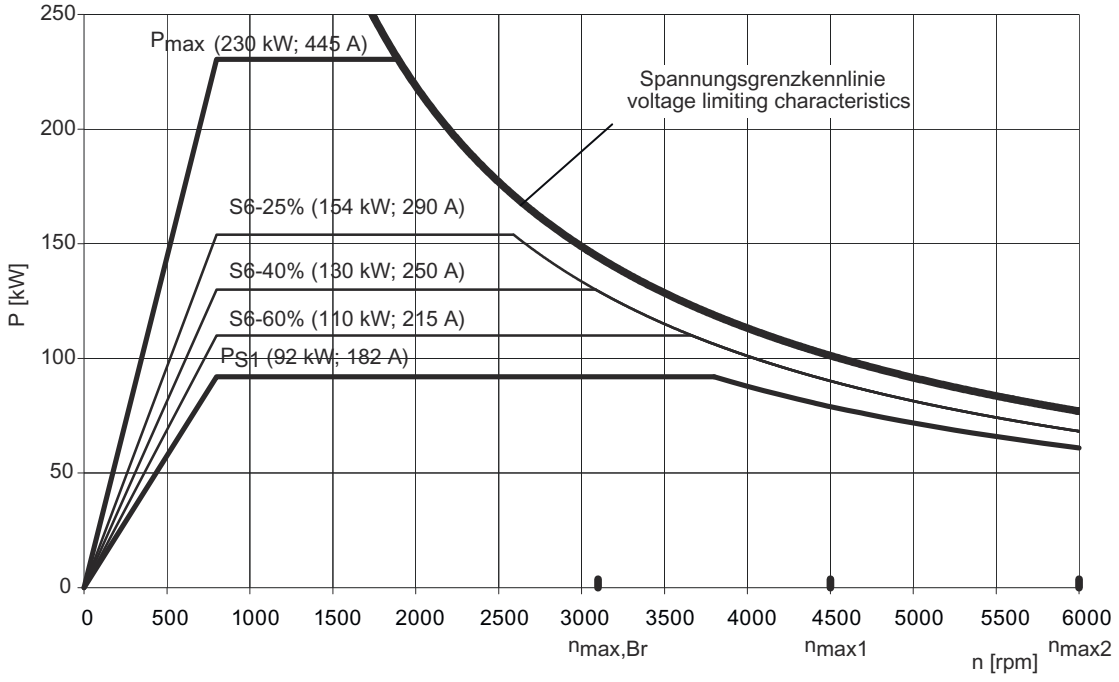


Table 2-143 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8228-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	92	1,098	182	4,500	6,000	-	3,100	3,800	2,750	445	1,098	182
700	82	1,119	188					4,300				



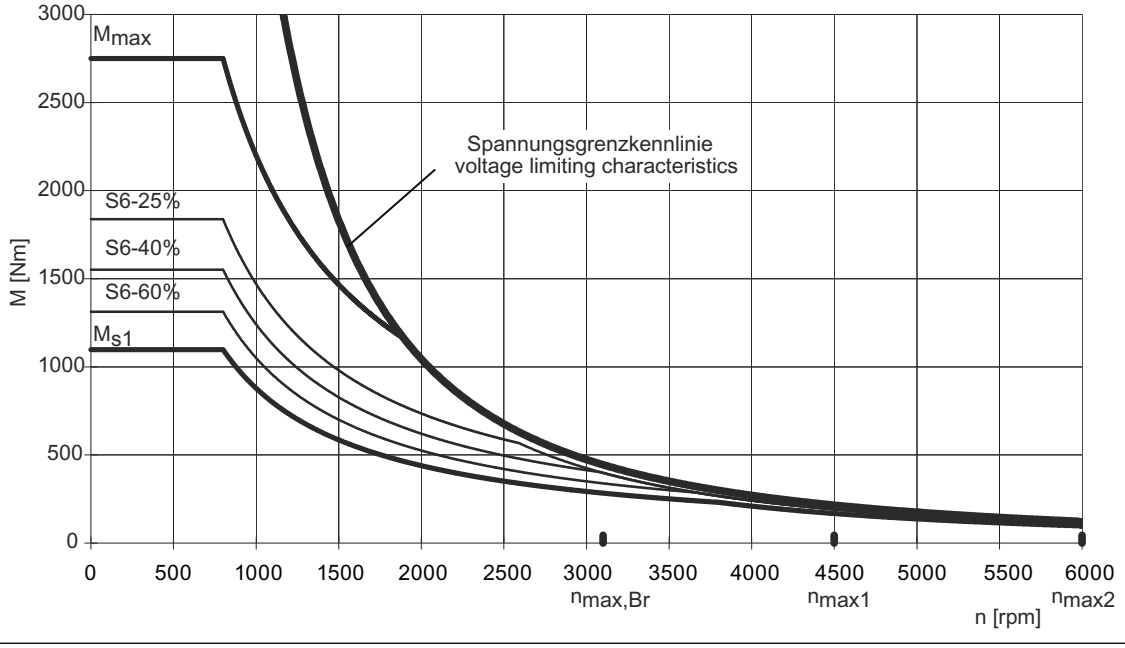


Table 2-144 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□C□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	115	1,098	182	4,500	6,000	-	3,100	4,000	2,750	445	1,098	182

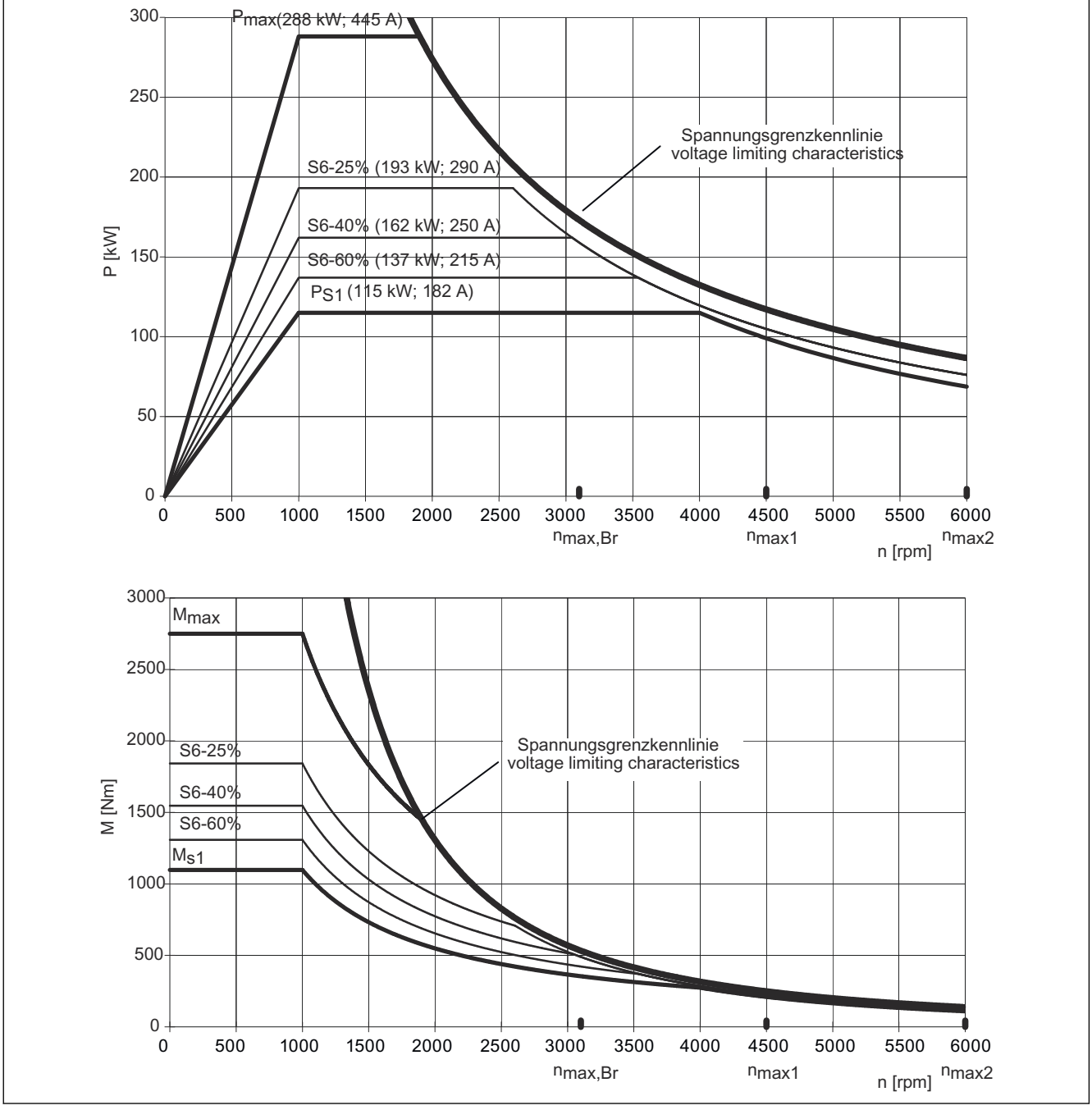


Table 2-145 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8228-□□C□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,100	126	1,094	182	4,500	6,000	-	3,100	4,000	2,750	445	1,119	182

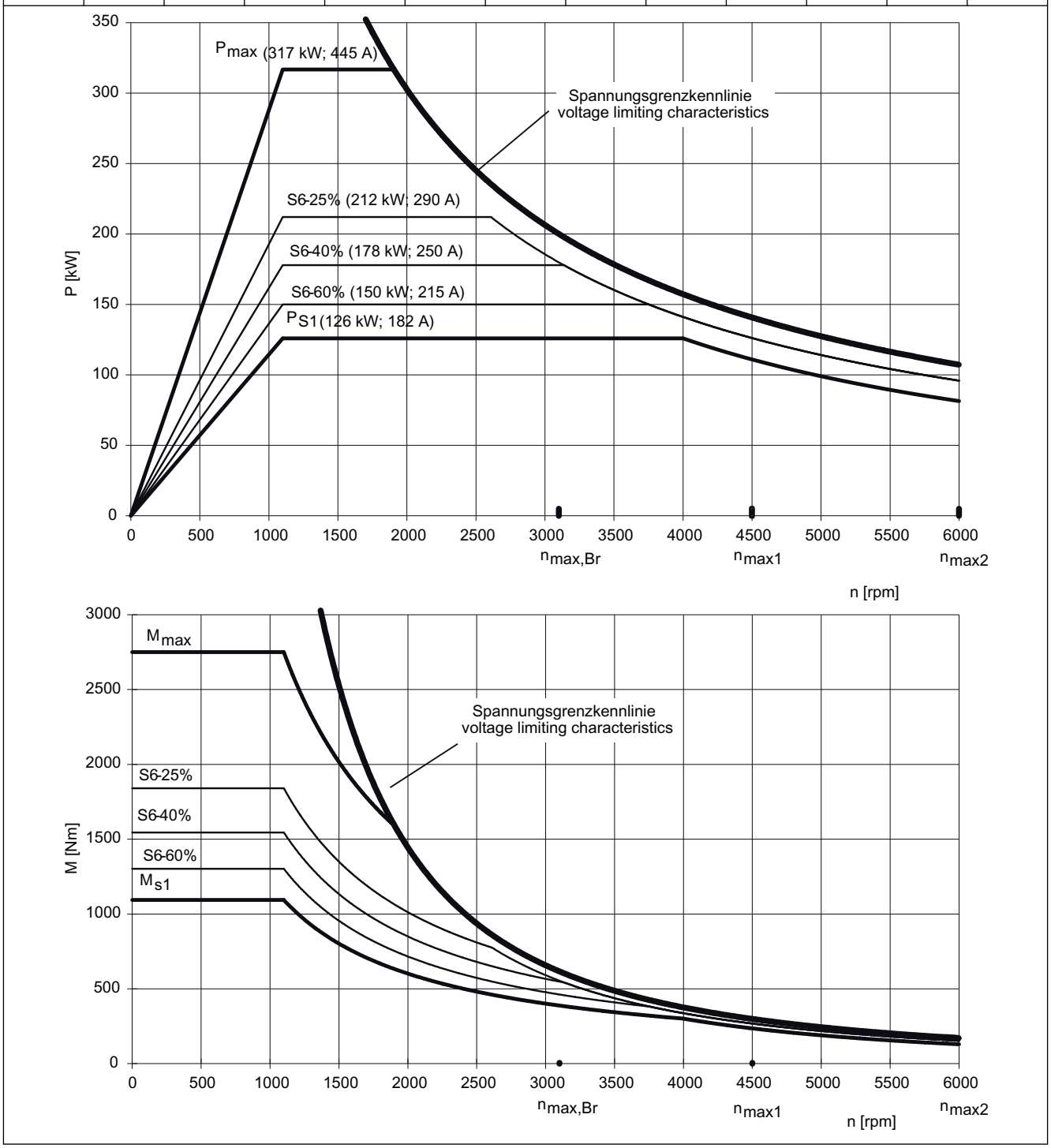
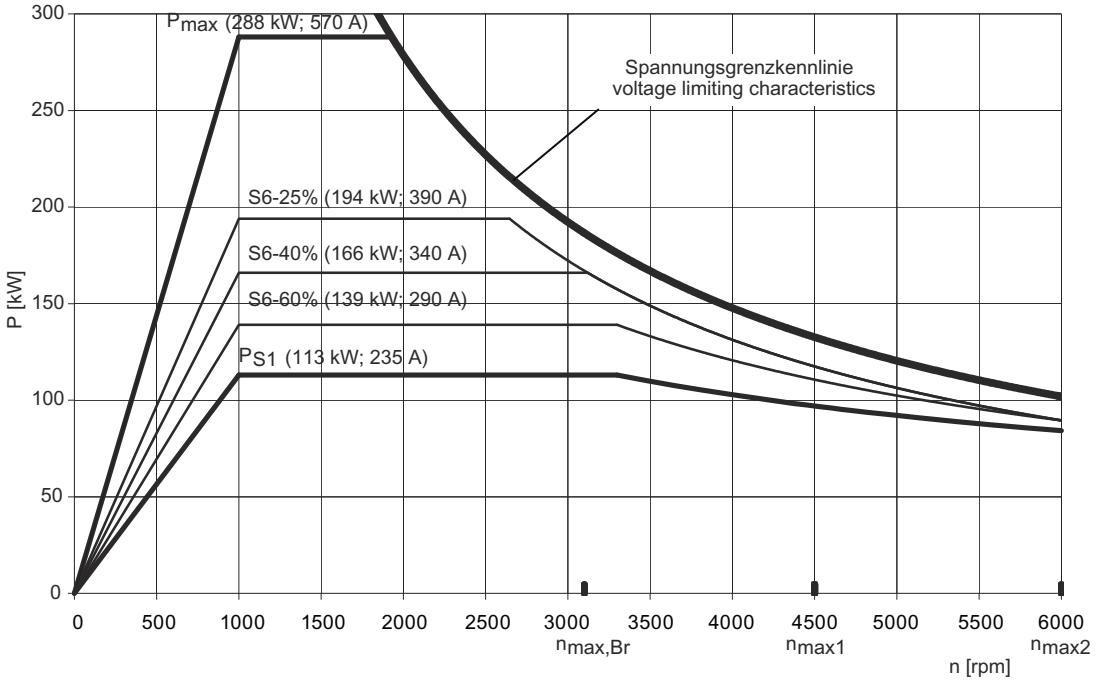


Table 2-146 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	113	1,079	235	4,500	6,000	-	3,100	3,300	2,750	570	1,079	235



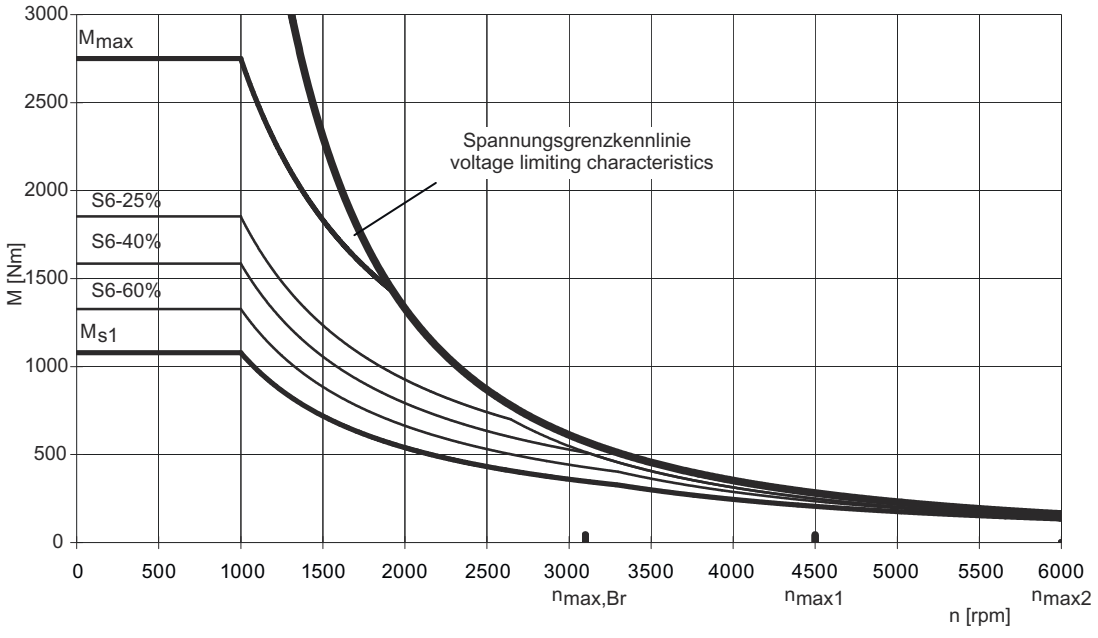
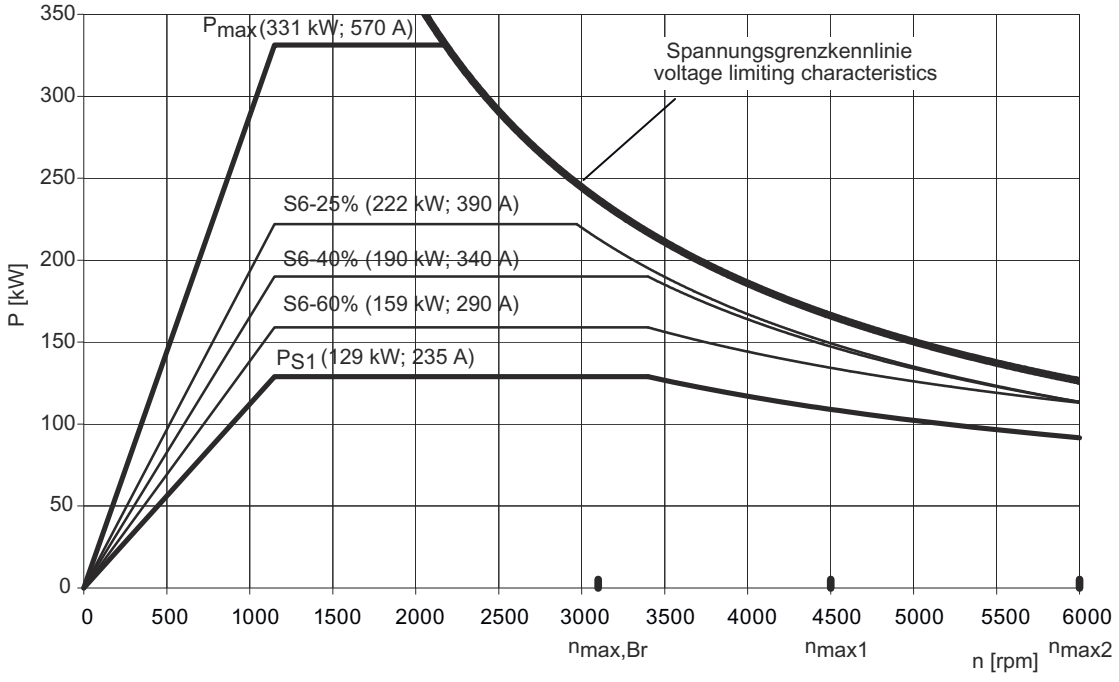


Table 2-147 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8228-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	129	1,071	235	4,500	6,000	-	3,100	3,400	2,750	570	1,071	235
1,000	113	1,079	235					4,200				



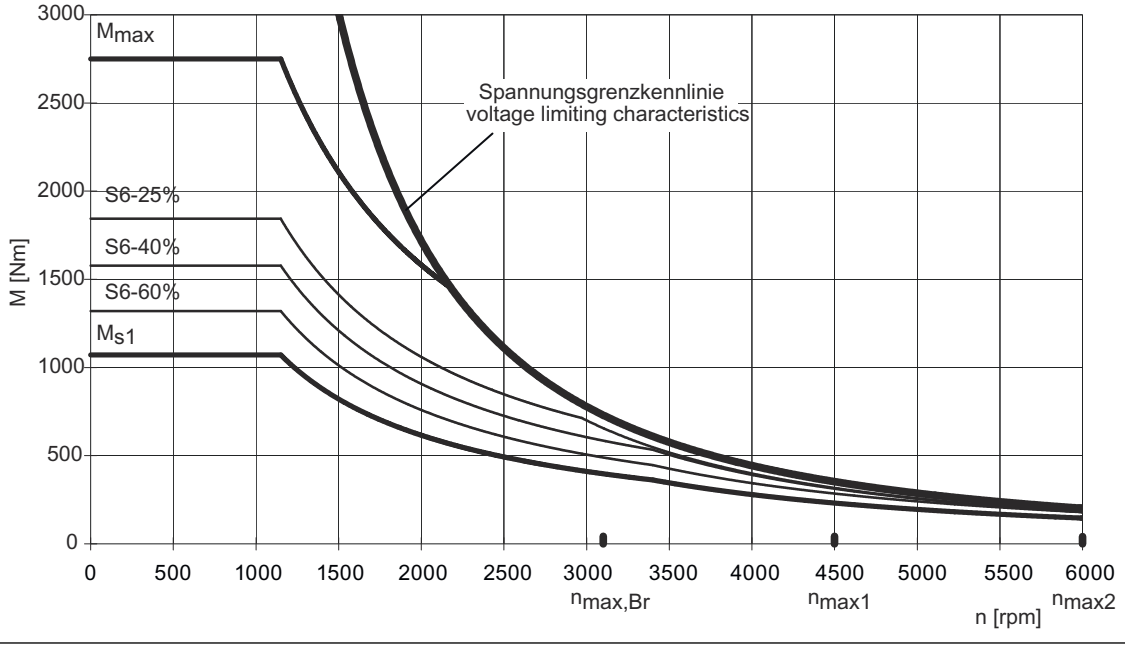
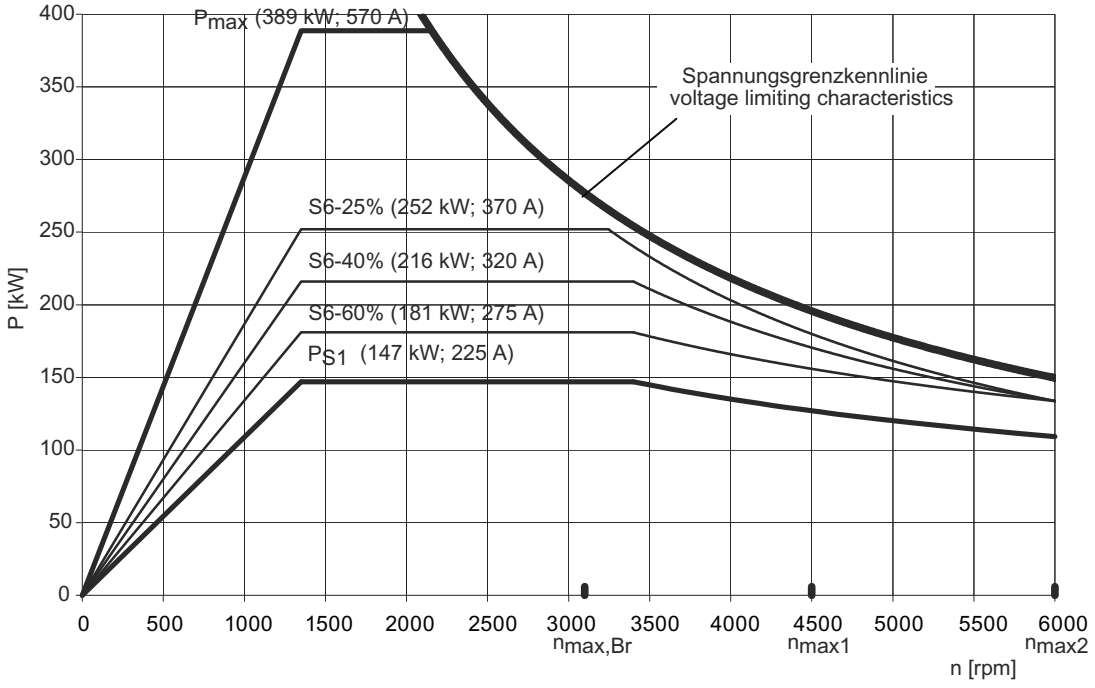


Table 2-148 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□D□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	147	1,040	225	4,500	6,000	-	3,100	3,400	2,750	570	1,040	225



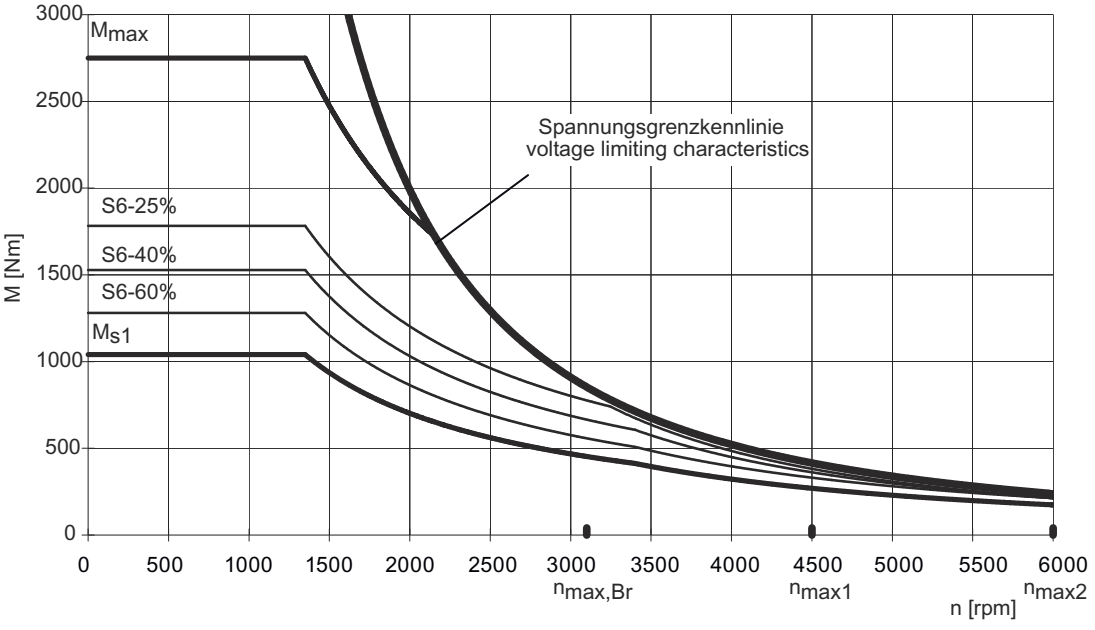


Table 2-149 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8228-□□D□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	147	936	210	4,500	6,000	-	3,100	3,600	2,750	570	1,079	210

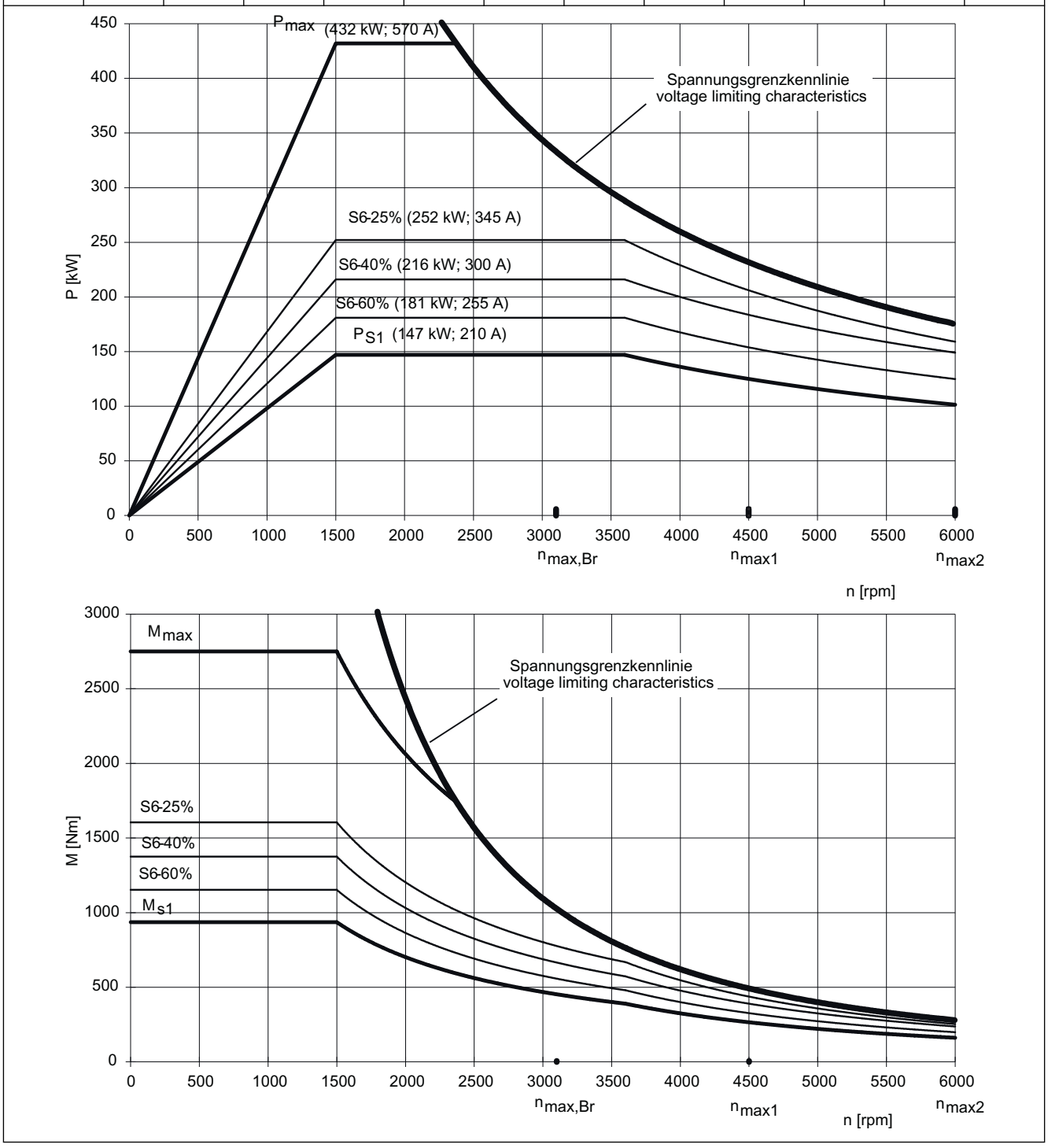


Table 2-150 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	160	1,019	340	4,500	6,000	-	3,100	3,300	2,450	750	1,019	340

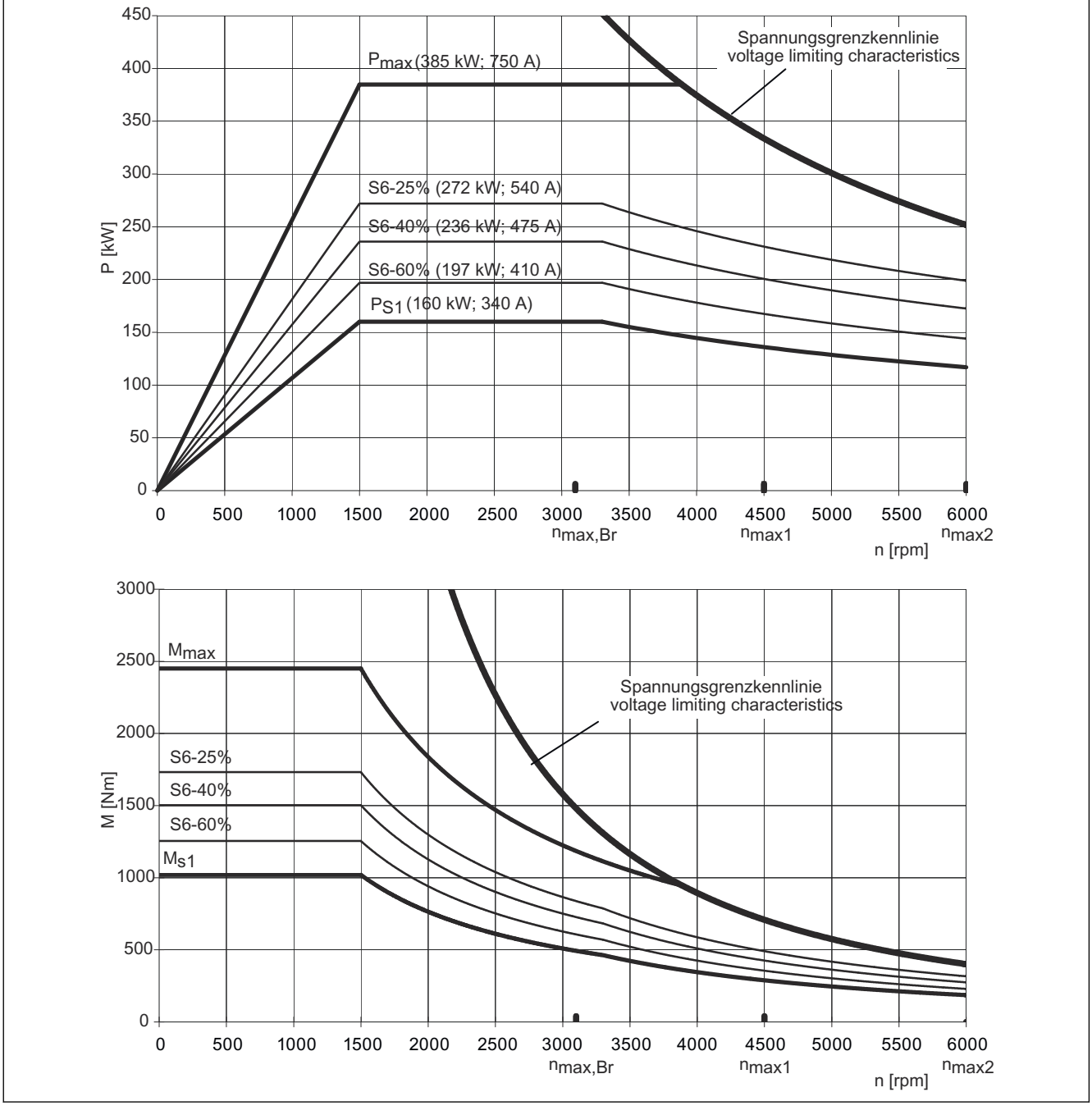


Table 2-151 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8228-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	179	977	330	4,500	6,000	-	3,100	3,400	2,450	750	977	330
1,500	160	1,019	340					4,200				

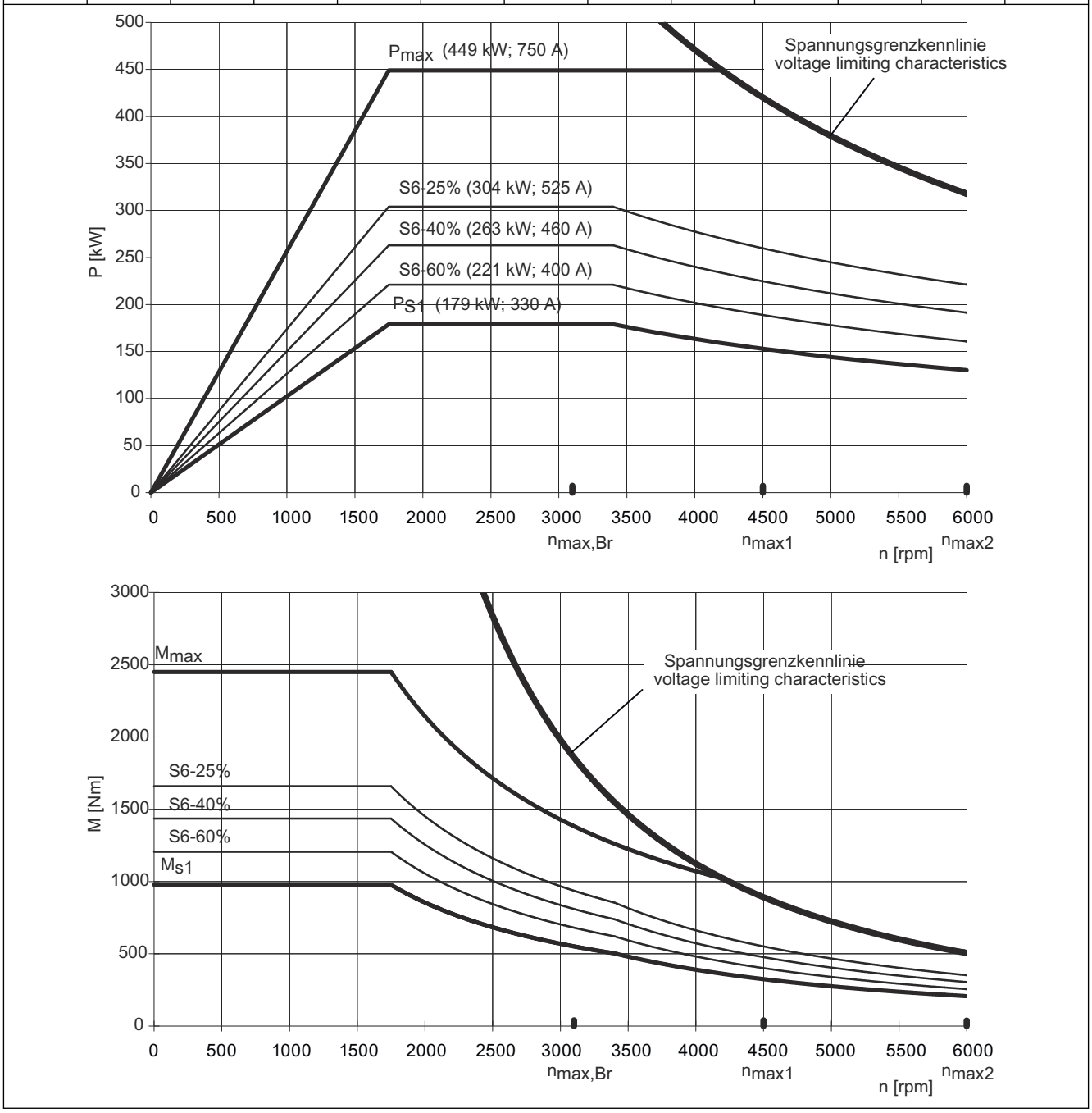
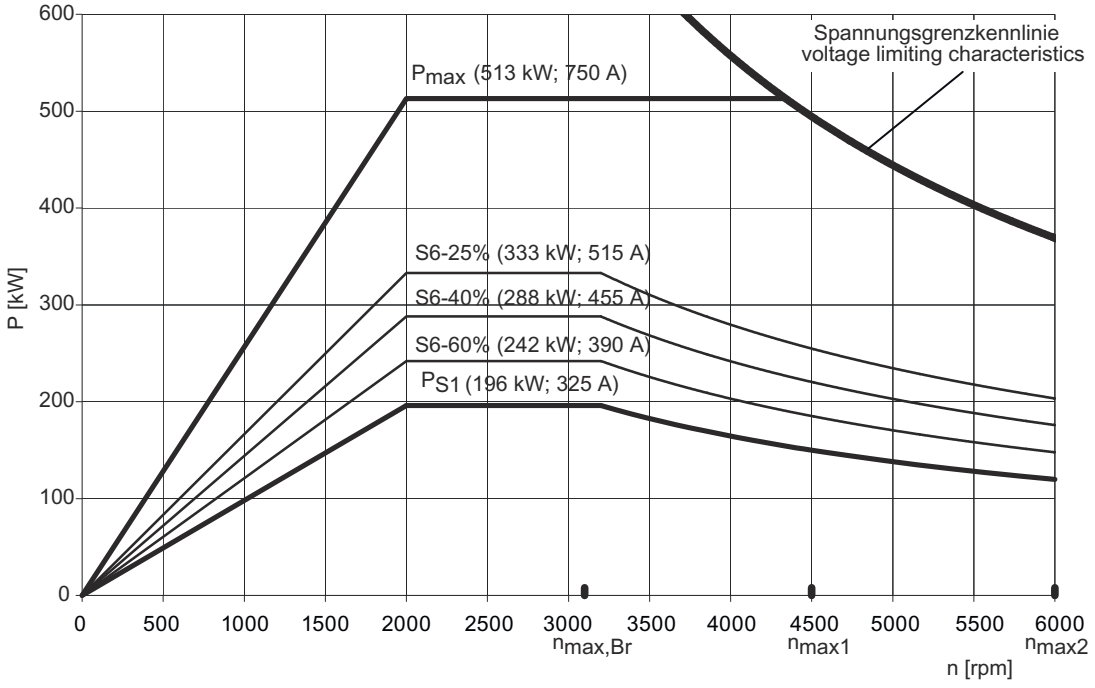


Table 2-152 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□F□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	196	936	325	4,500	6,000	-	3,100	3,200	2,450	750	936	325



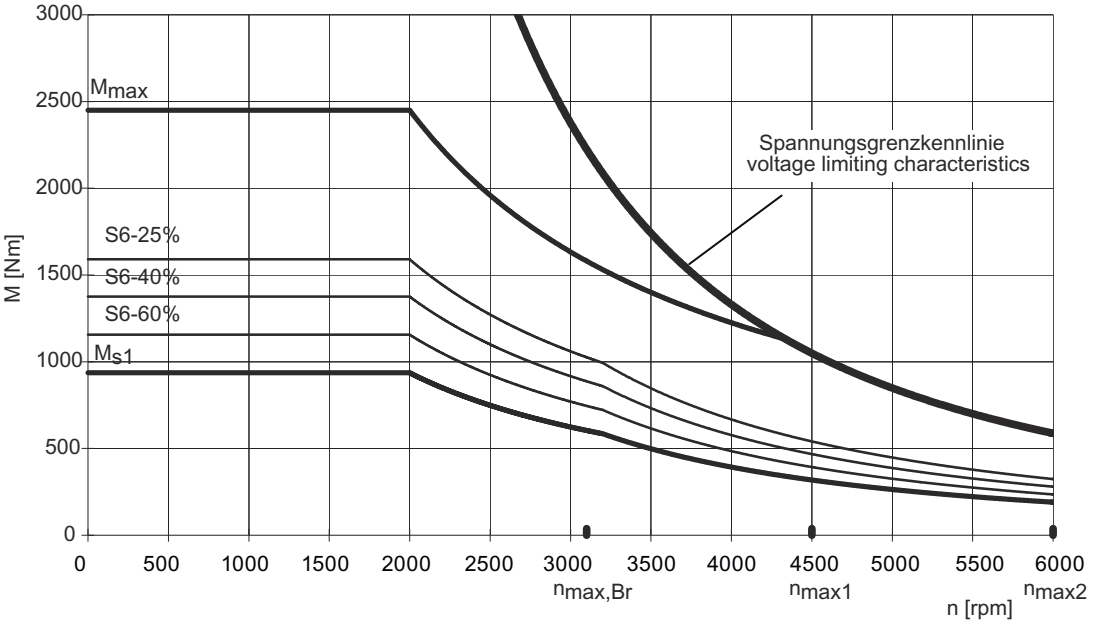


Table 2-153 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8228-□□F□□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,200	170	738	275	4,500	6,000	-	3,100	3,200	2,450	750	1,019	275

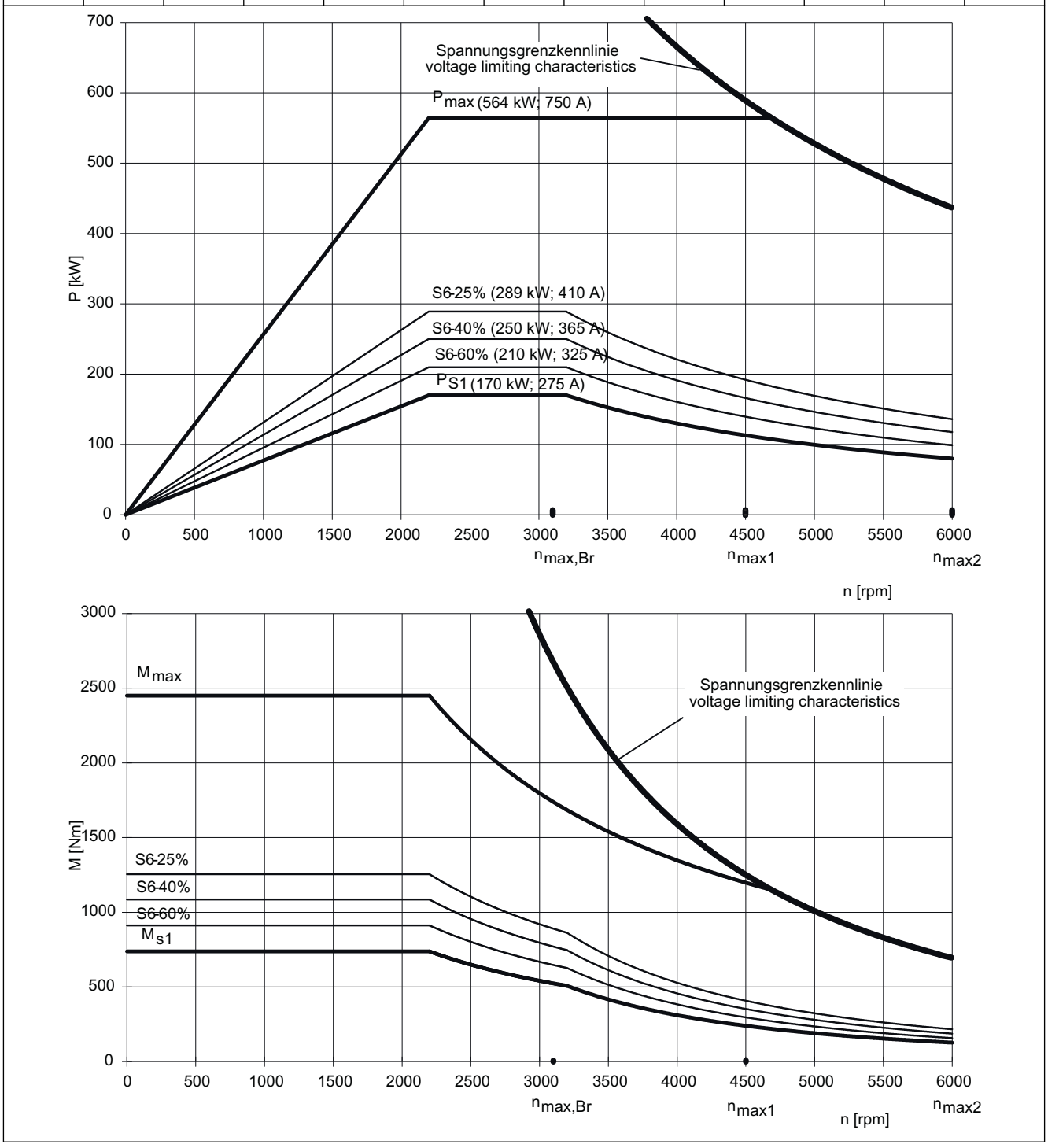
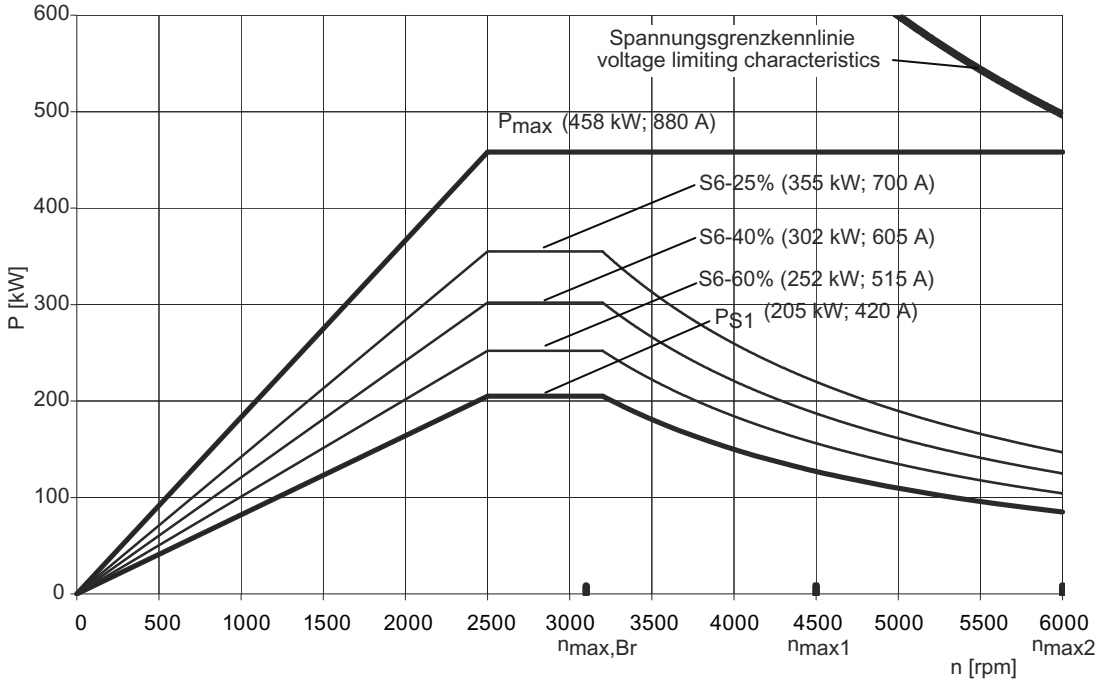


Table 2-154 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□L□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,500	205	783	420	4,500	6,000	-	3,100	3,200	1,750	880	783	420



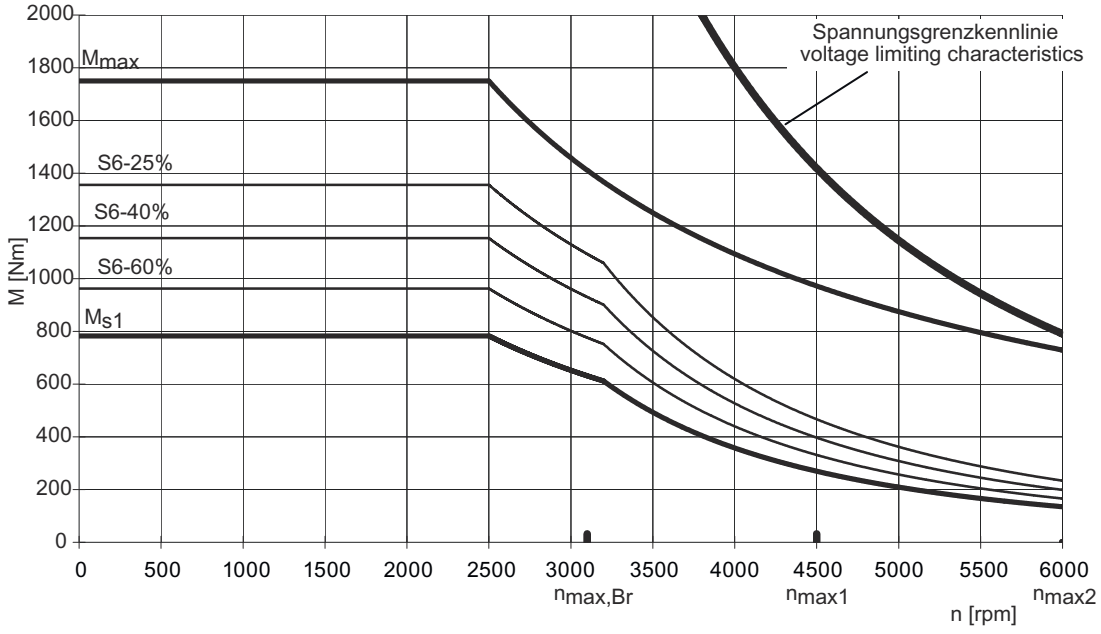
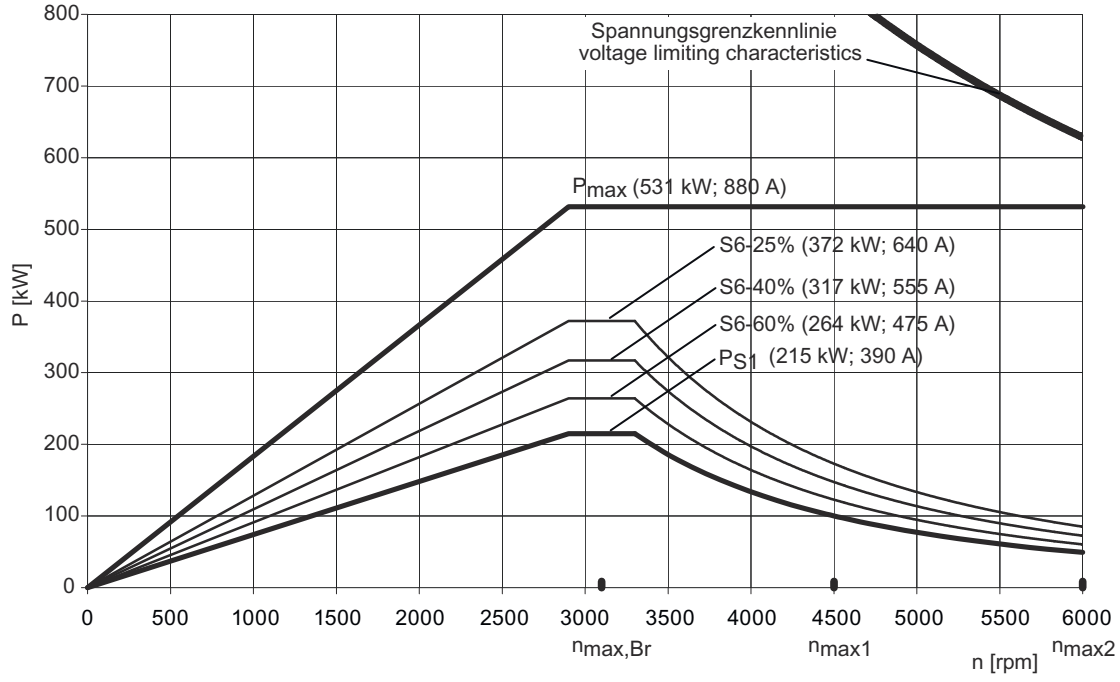


Table 2-155 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8228-□□L□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,900	215	708	390	4,500	6,000	-	3,100	3,300	1,750	880	708	390
2,500	205	783	420					3,400				



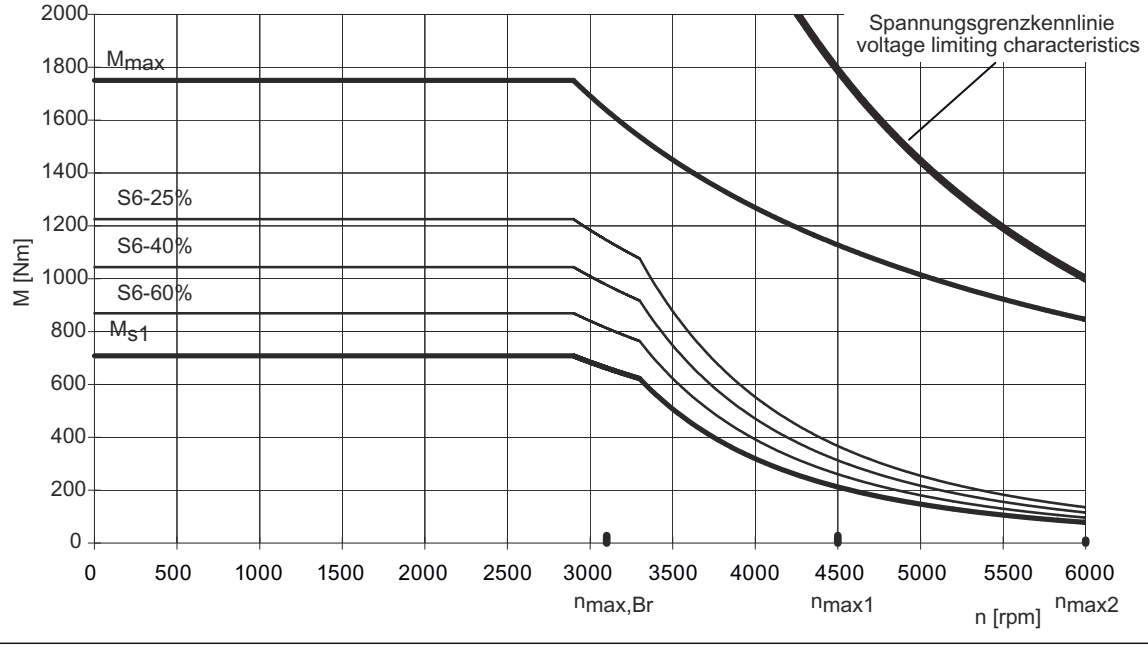
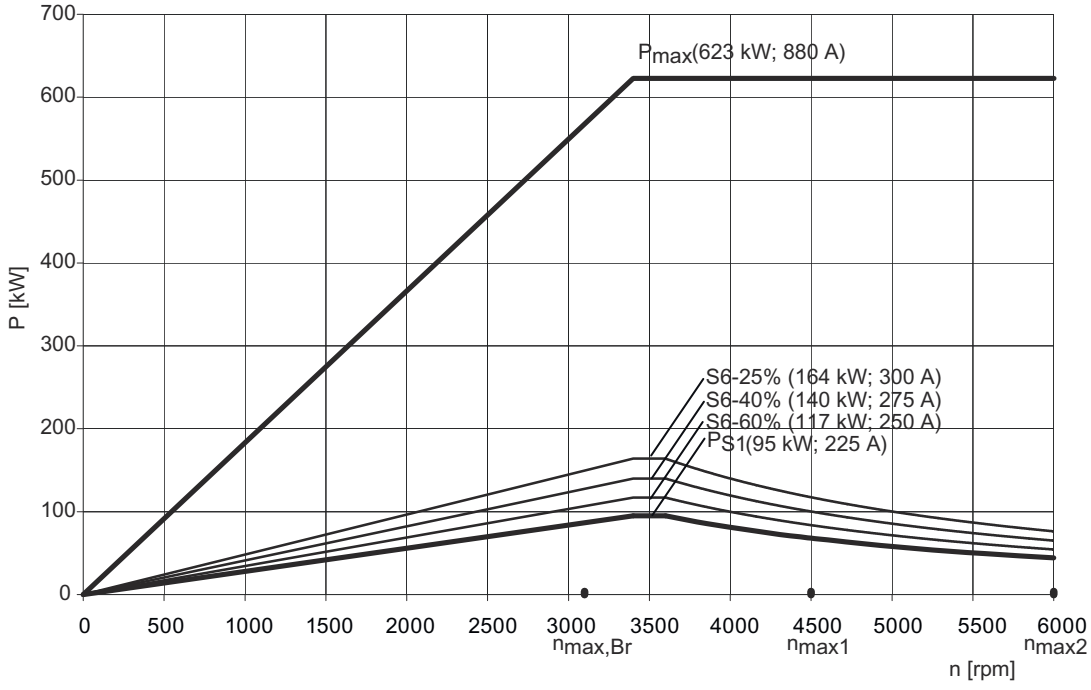
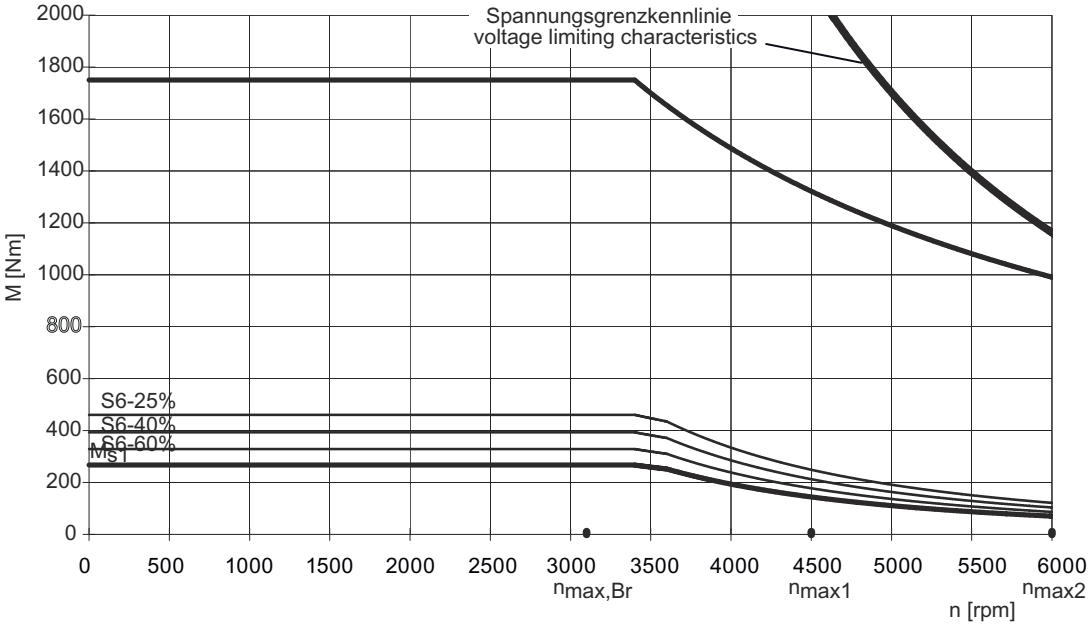


Table 2-156 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8228-□□L□□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
3,400	95	267	225	4,500	6,000	-	3,100	3,600	1,750	880	267	225





Note: In this electrical version (L winding), supplementary losses that are disproportionately high relative to the speed occur at high connection voltages (480 V 3AC), depending on the modulation depth of the converter. To comply with the permissible motor temperature, a power reduction must be considered in the configuration.

2.2.9 Shaft height 225 - forced ventilation (open-circuit ventilation)

Table 2-157 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□B□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	45	1,074	114	4,500	-	-	3,100	1,800	1,760	200	1,074	114

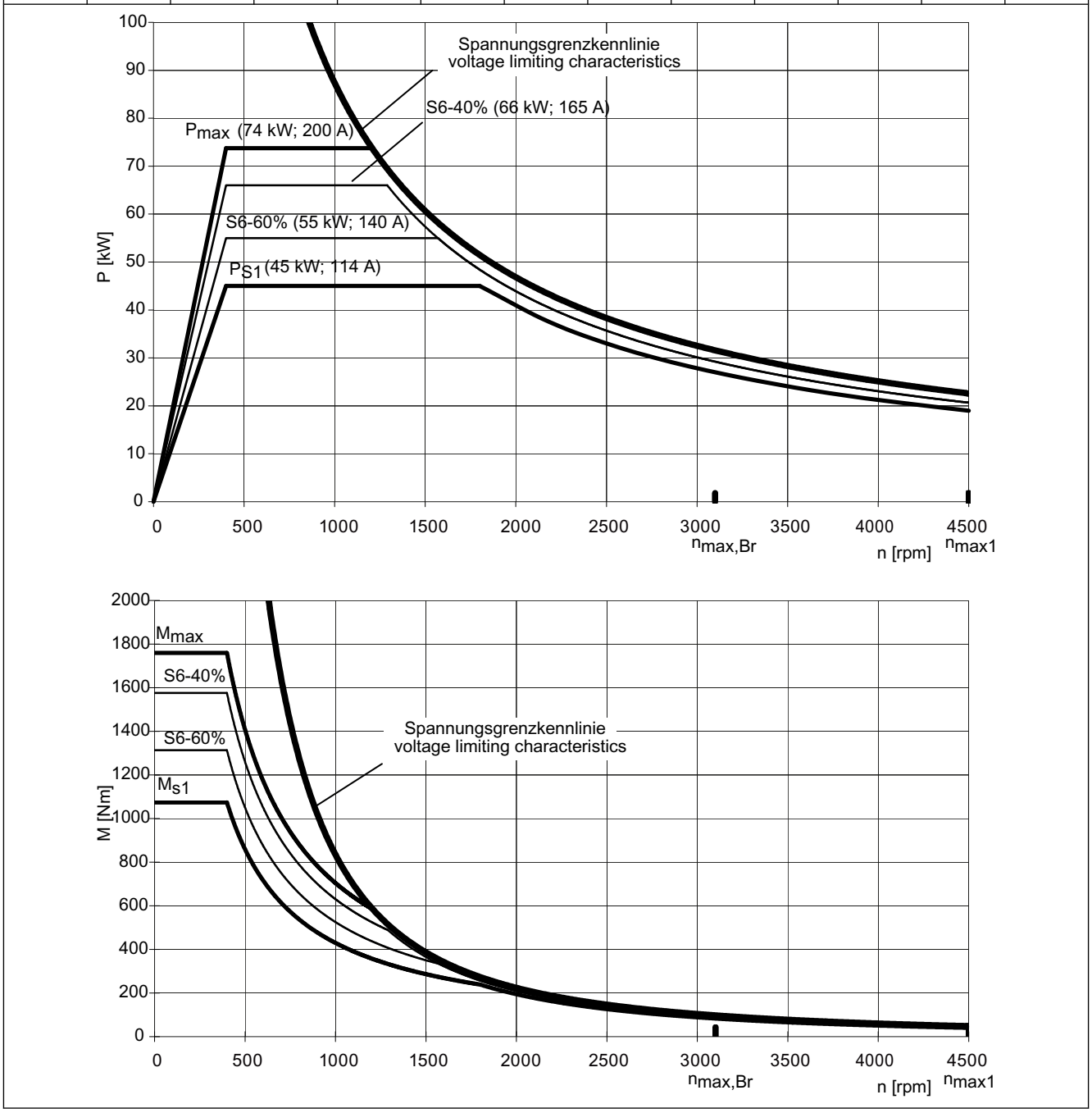


Table 2-158 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8224-□□B□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	55	1,051	112	4,500	-	-	3,100	1,800	1,760	200	1,051	112
400	45	1,074	114					2,200				

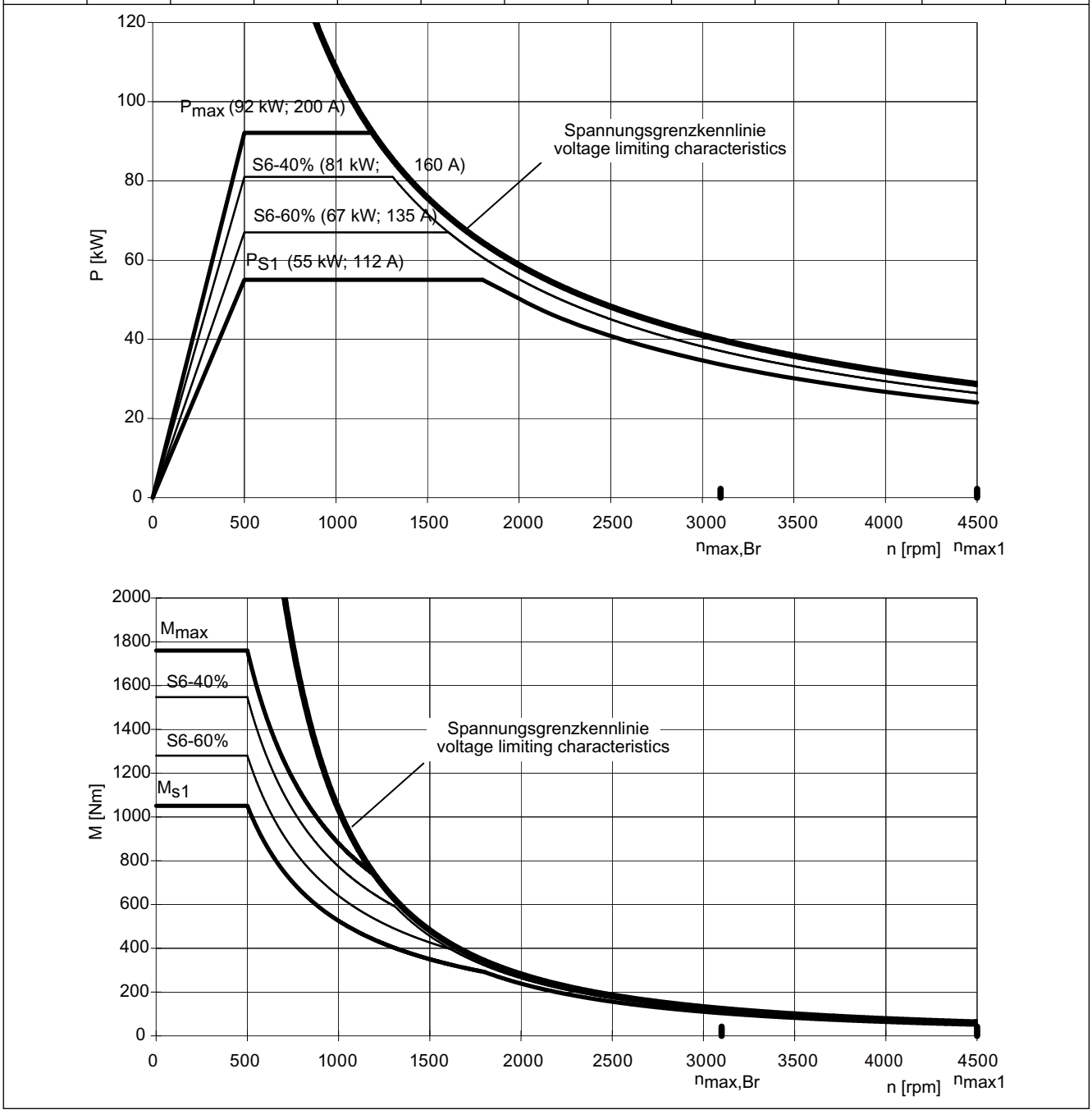
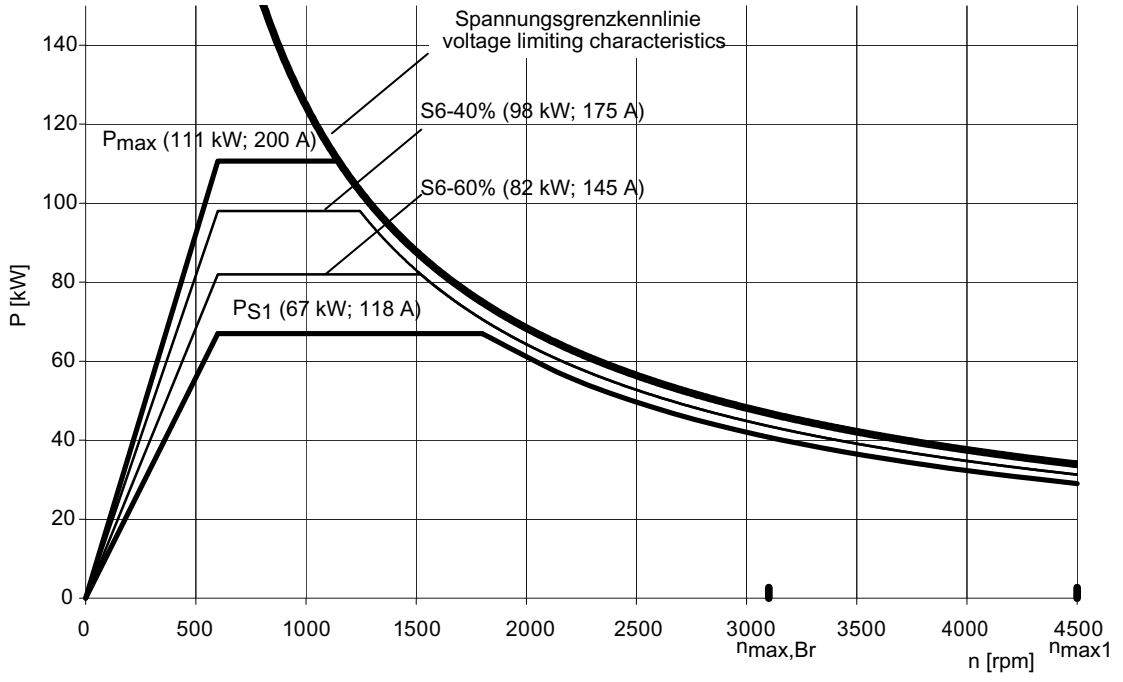


Table 2-159 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□B□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	67	1,066	118	4,500	-	-	3,100	1,800	1,760	200	1,066	118



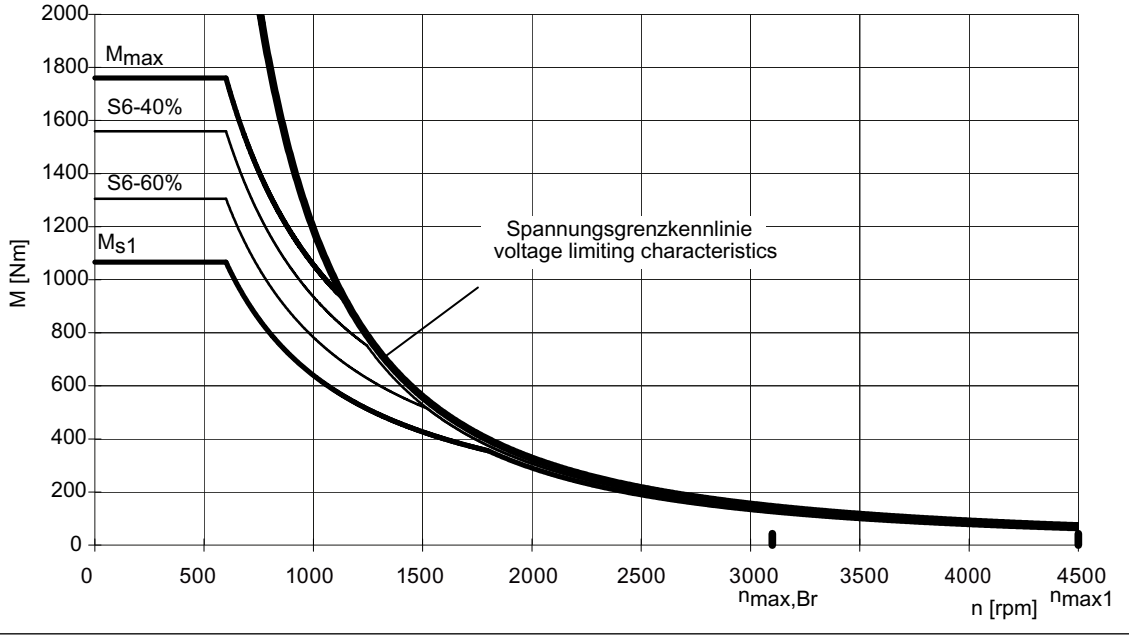


Table 2-160 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8224-□□B□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	67	914	98	4,500	-	-	3,100	2,300	1,760	200	1,074	98

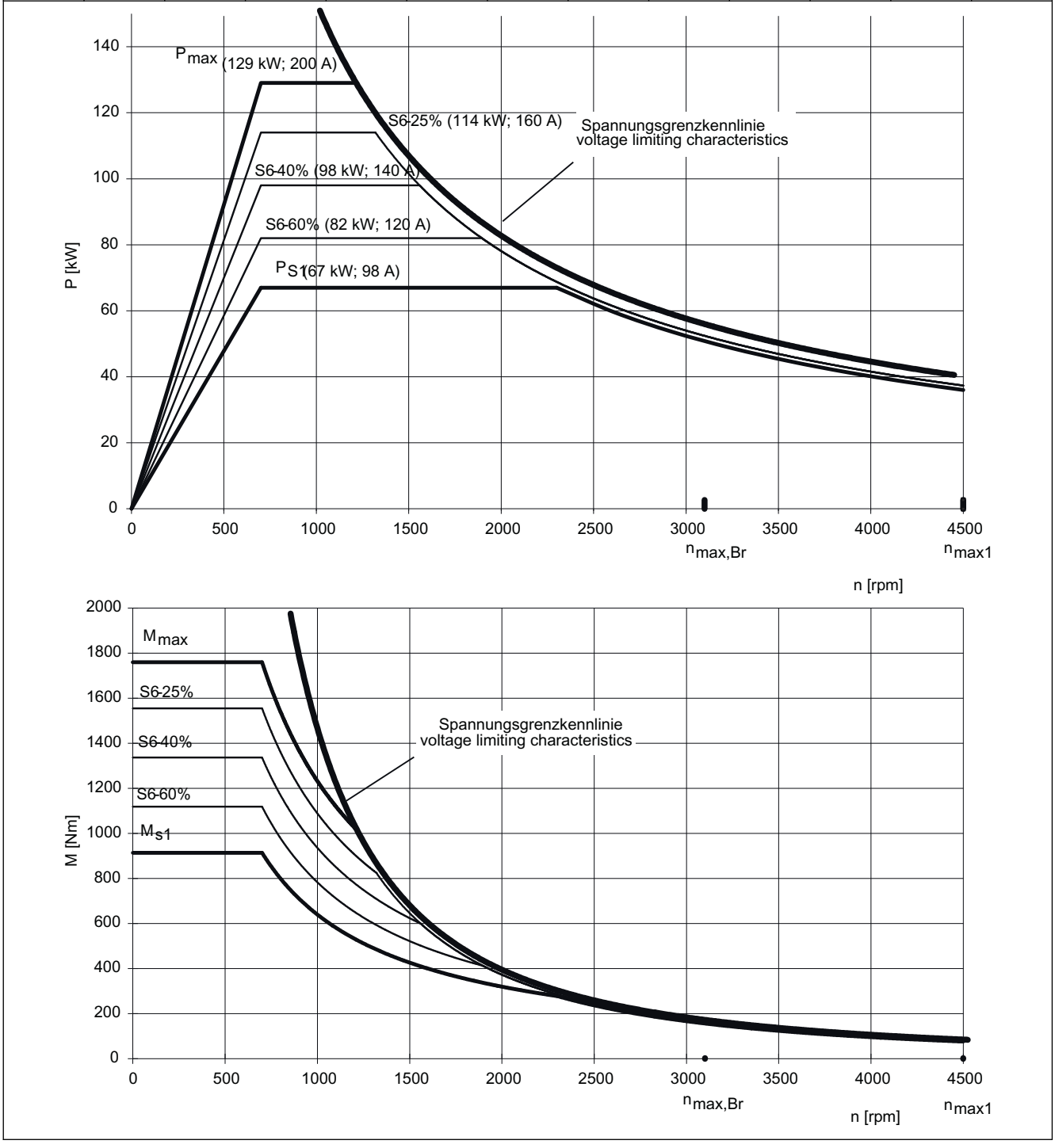
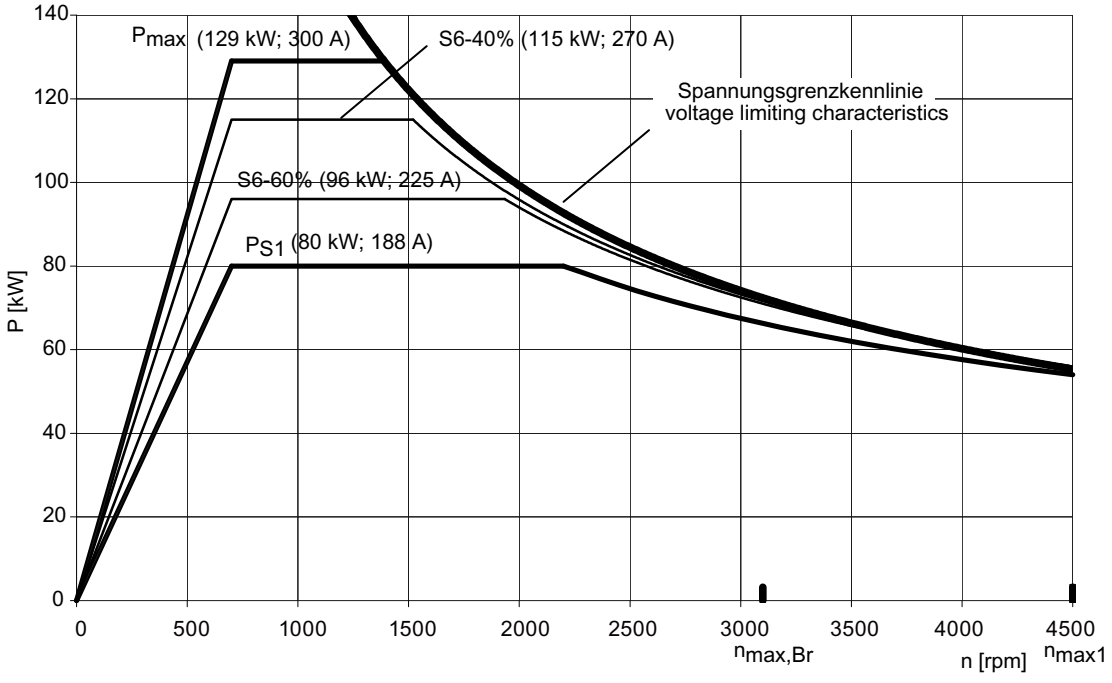


Table 2-161 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□C□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	80	1,091	188	4,500	-	-	3,100	2,200	1,760	300	1,091	188



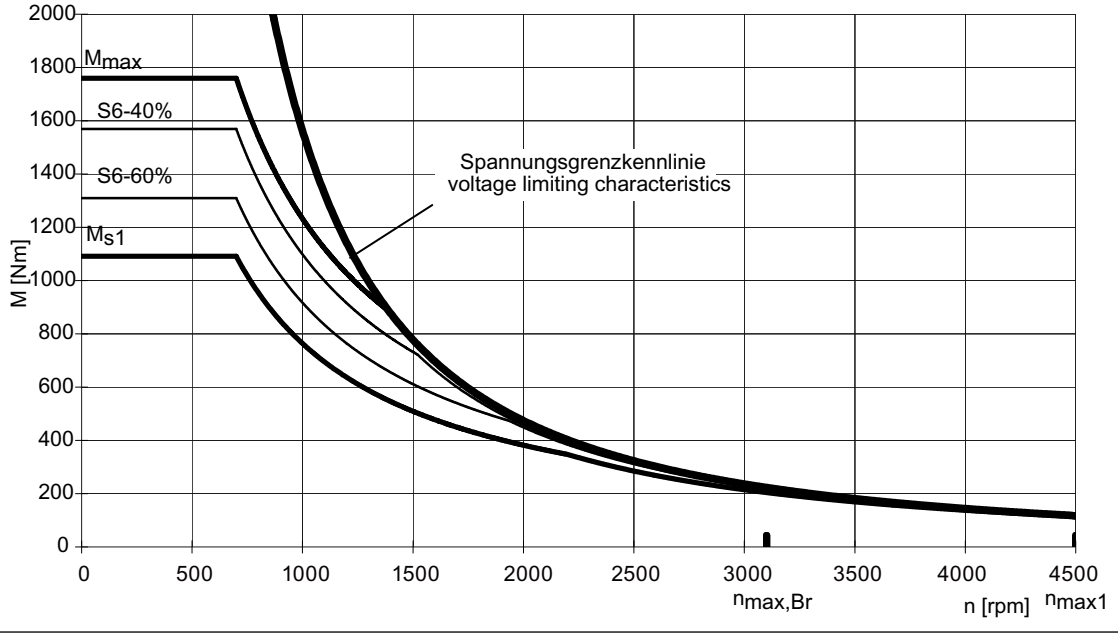


Table 2-162 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8224-□□C□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	90	1,074	184	4,500	-	-	3,100	2,300	1,760	300	1,074	184
700	80	1,091	188					3,000				

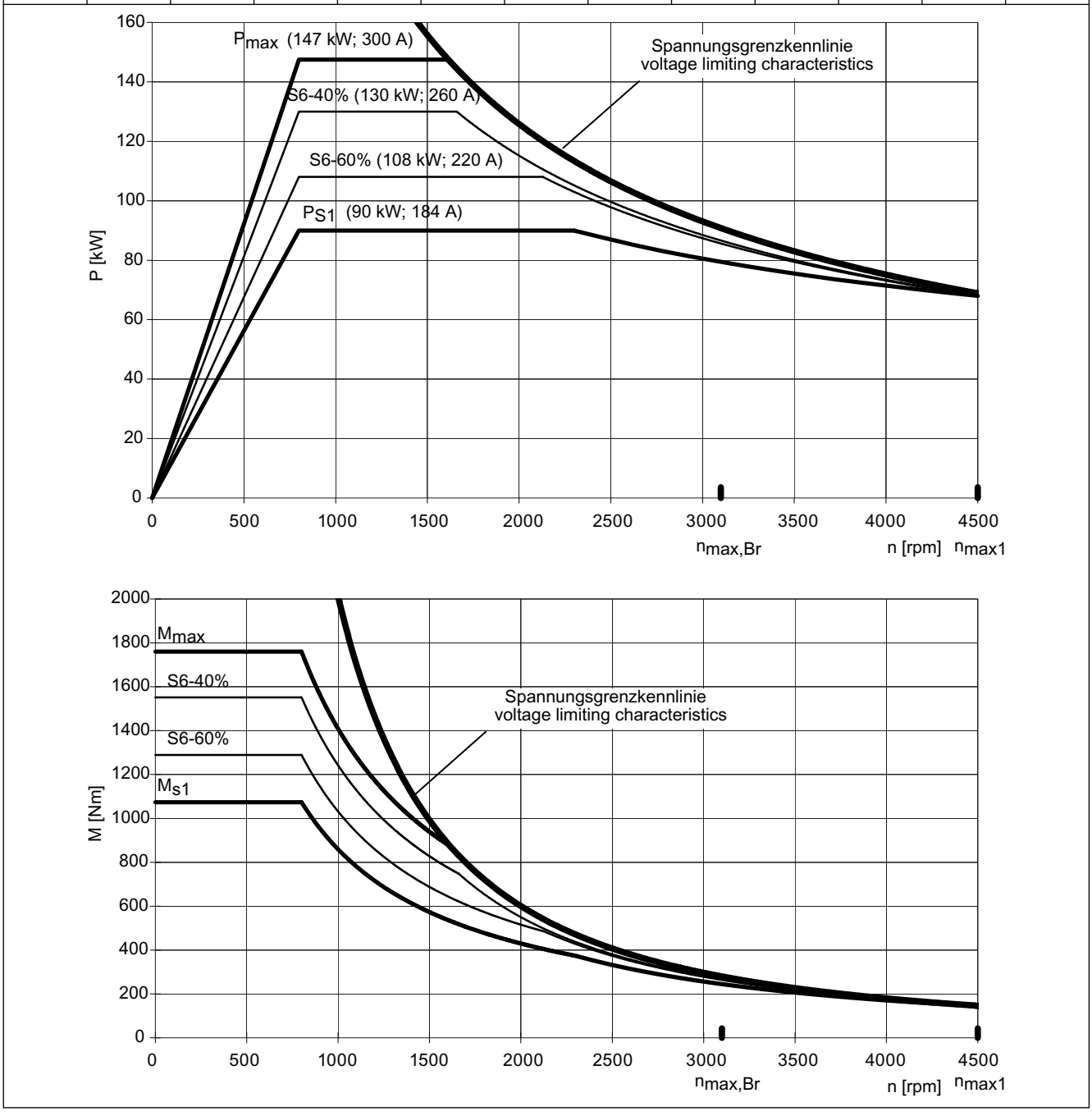


Table 2-163 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□C□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	105	1,003	174	4,500	-	-	3,100	2,300	1,760	300	1,003	174

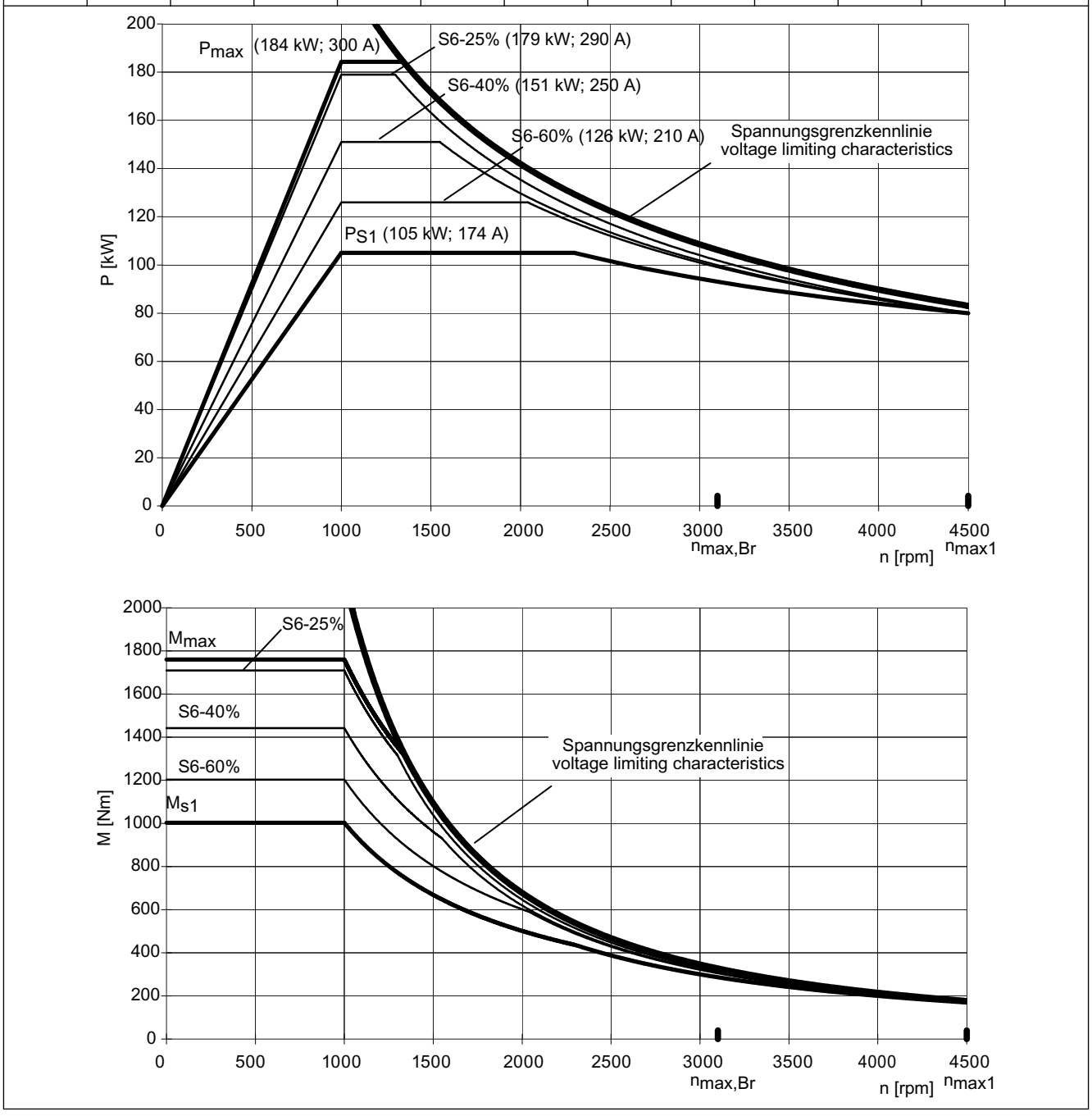


Table 2-164 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8224-□□C□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,100	105	912	160	4,500	-	-	3,100	2,500	1,760	300	1,091	160

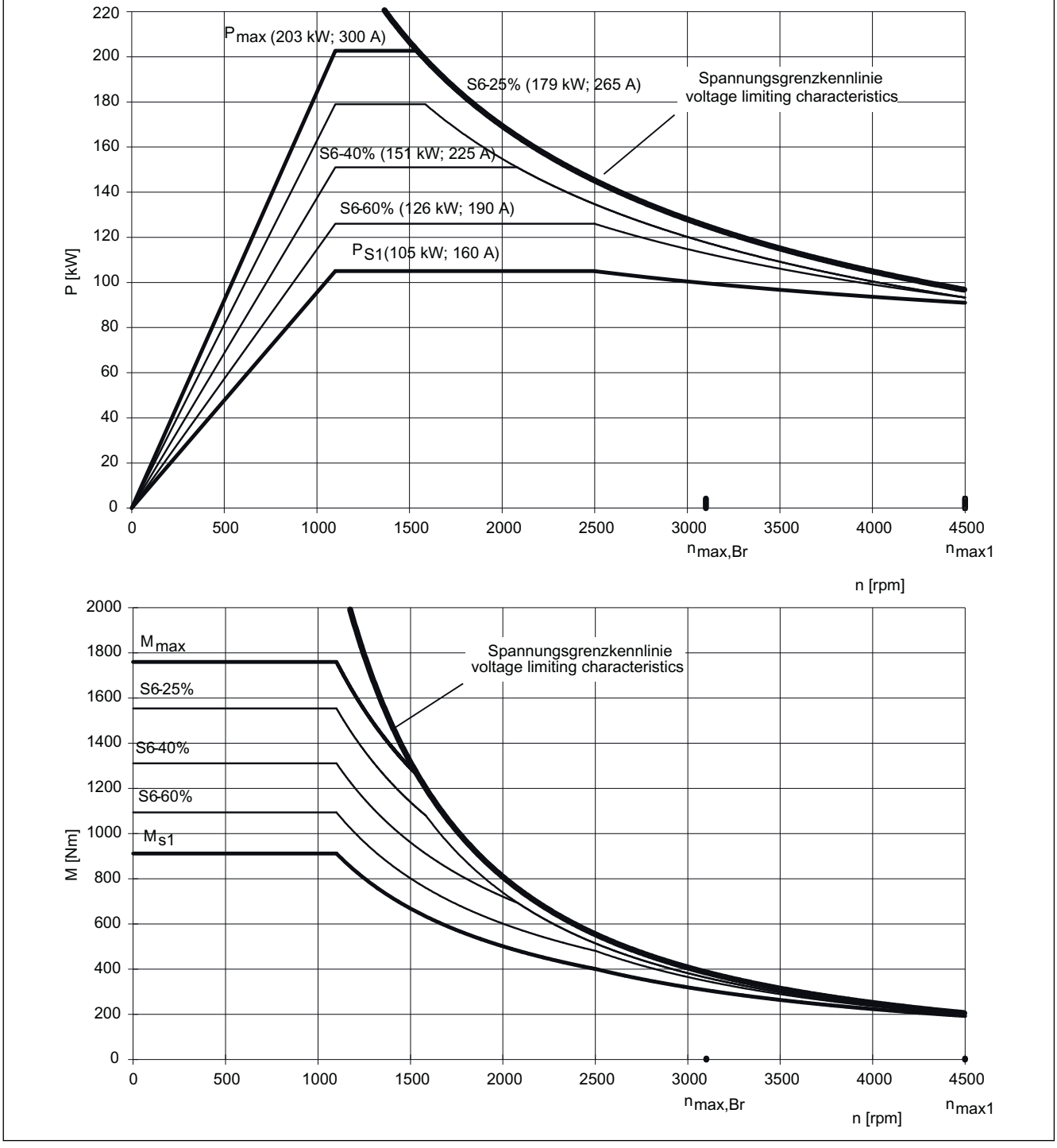
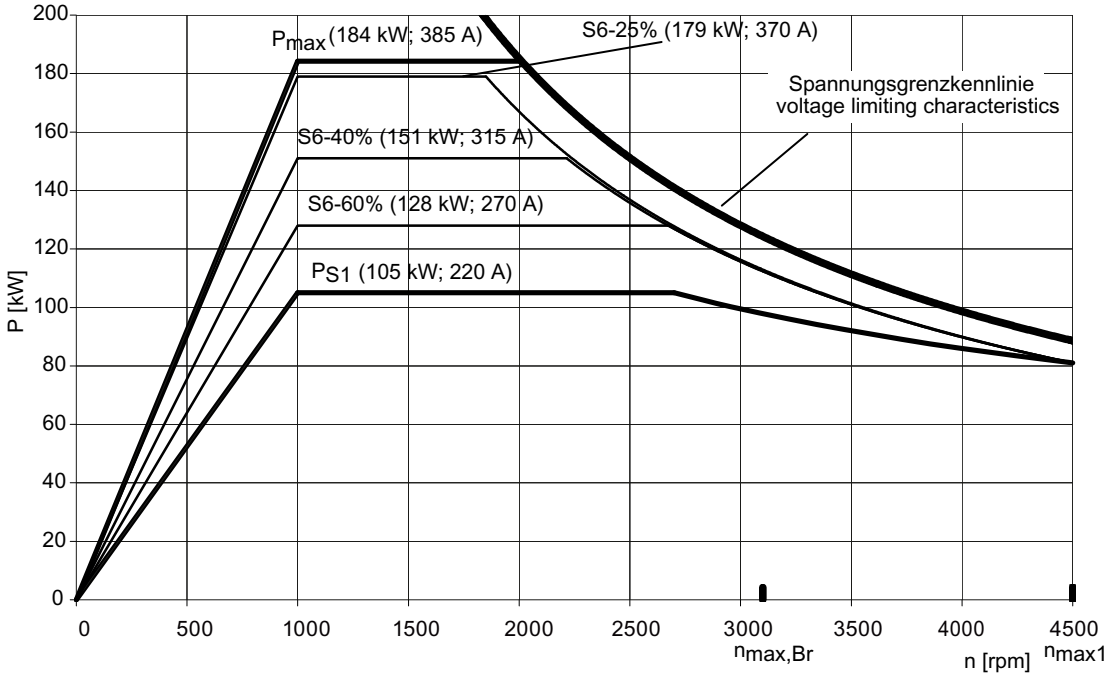


Table 2-165 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□D□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	105	1,003	220	4,500	-	-	3,100	2,700	1,760	385	1,003	2,200



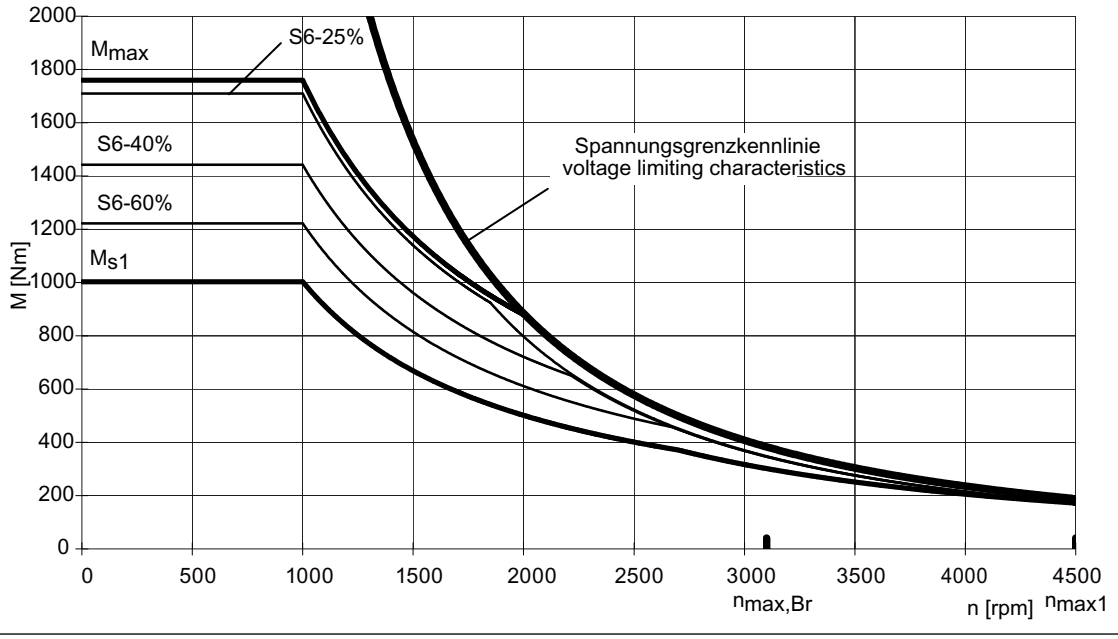
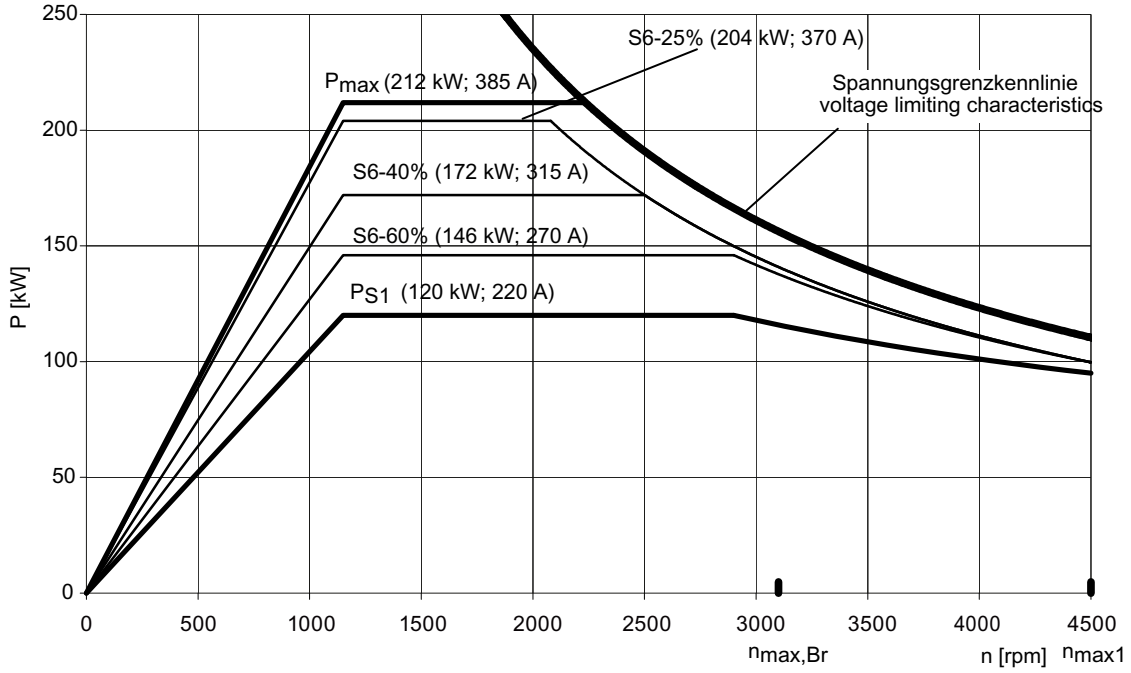


Table 2-166 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8224-□□D□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	120	997	220	4,500	-	-	3,100	2,900	1,760	385	997	220
1,000	105	1,003	220					3,700				



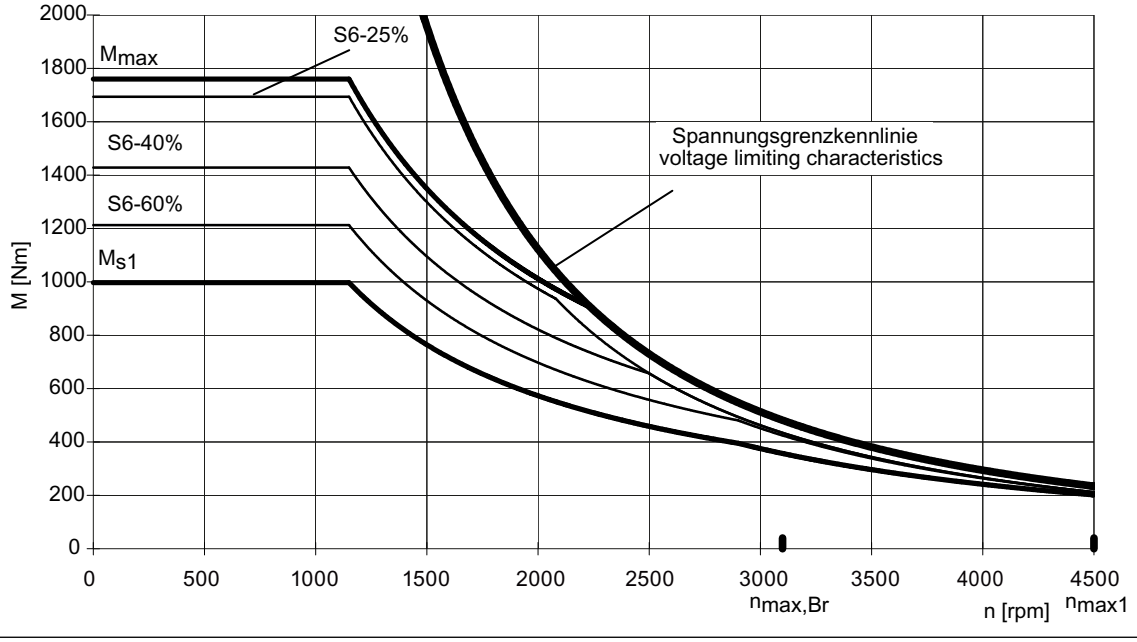


Table 2-167 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□D□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	137	969	215	4,500	-	-	3,100	3,000	1,760	385	969	215

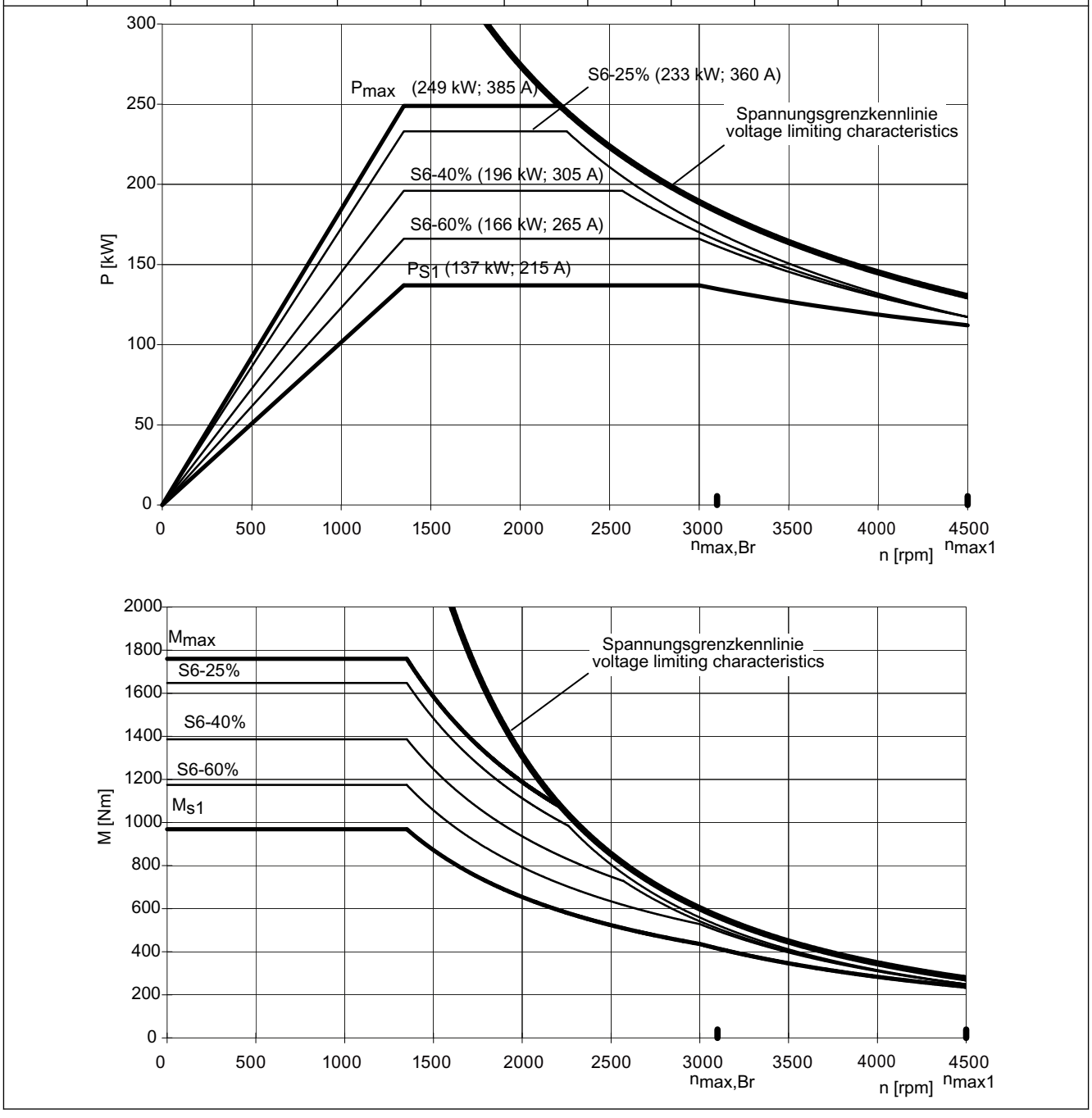


Table 2-168 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8224-□□D□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	137	872	194	4,500	-	-	3,100	3,400	1,760	385	1,003	194

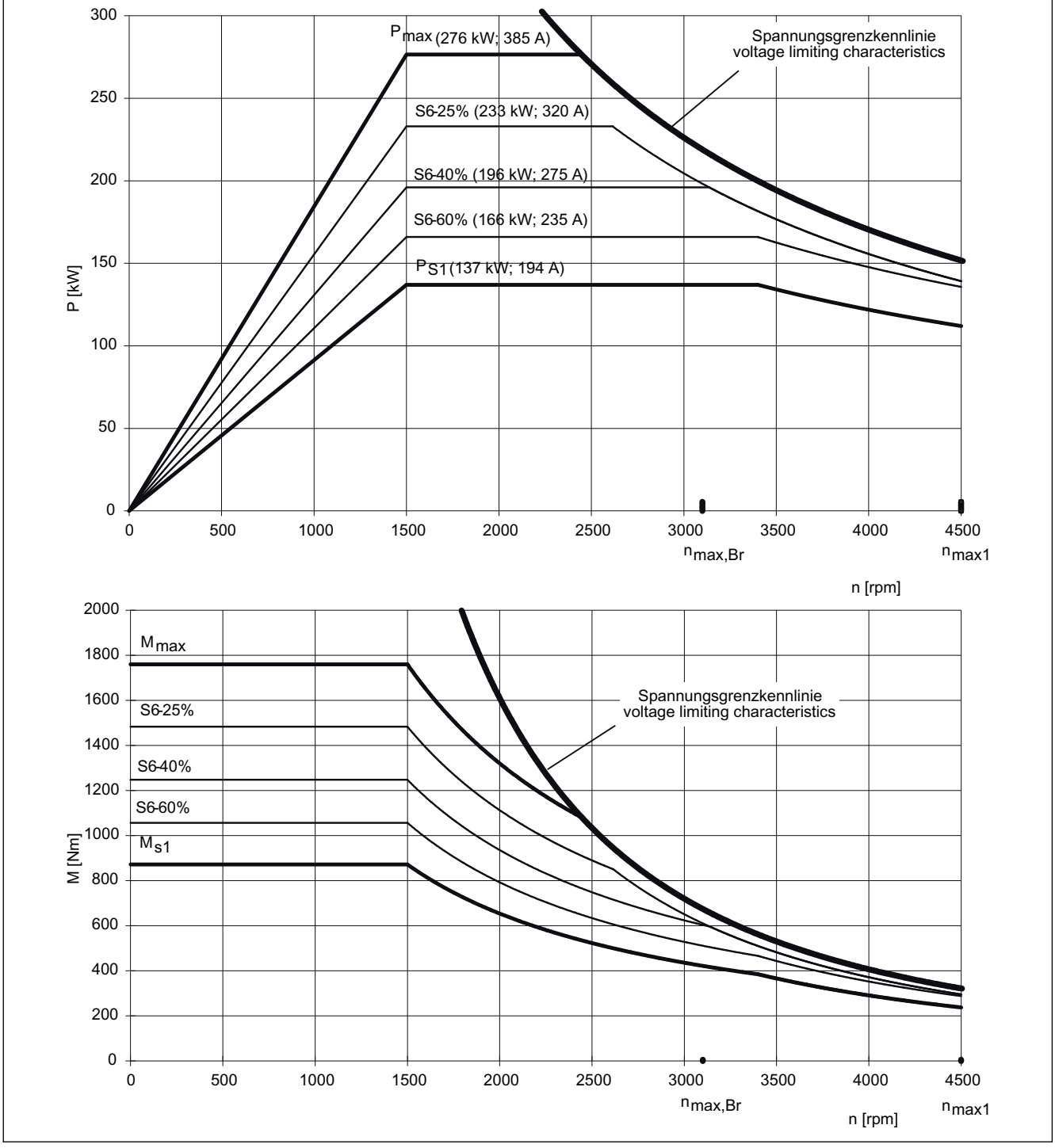
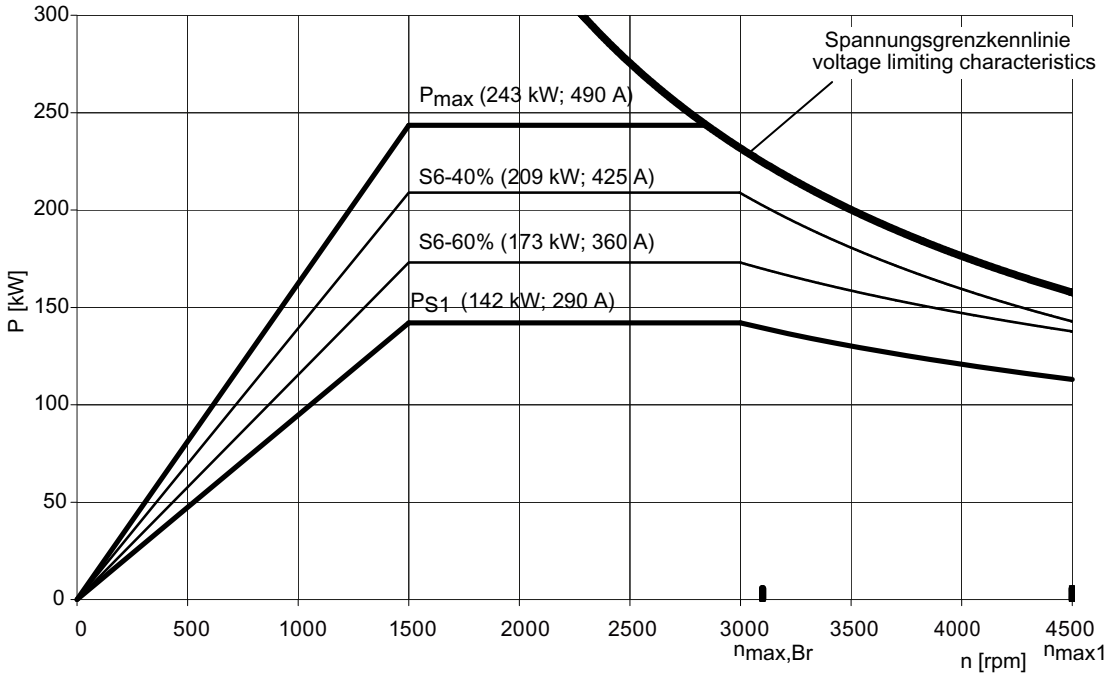


Table 2-169 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□F□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	142	904	290	4,500	-	-	3,100	3,000	1,550	490	904	290



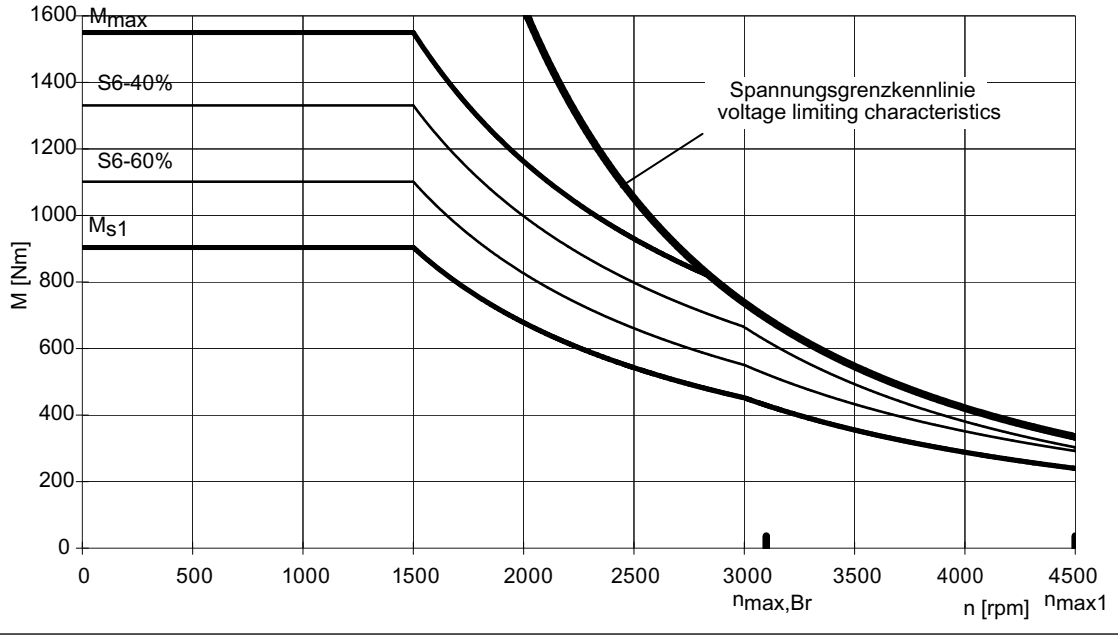
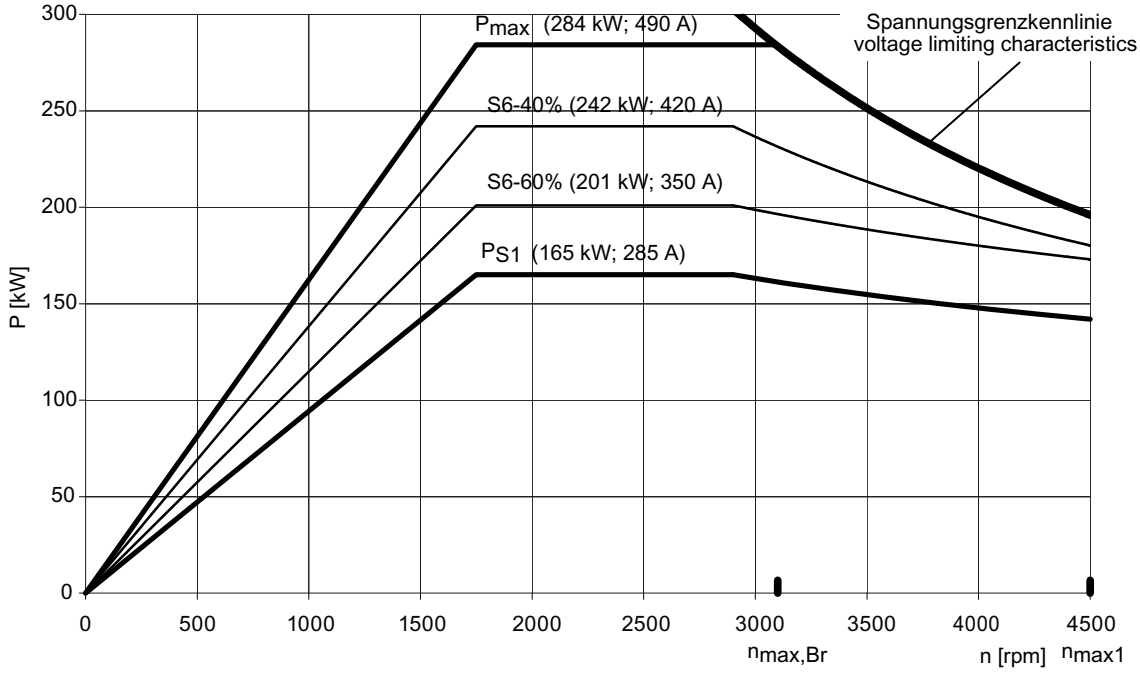


Table 2-170 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8224-□□F□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	165	900	285	4,500	-	-	3,100	2,900	1,550	490	900	285
1,500	142	904	290					4,500				



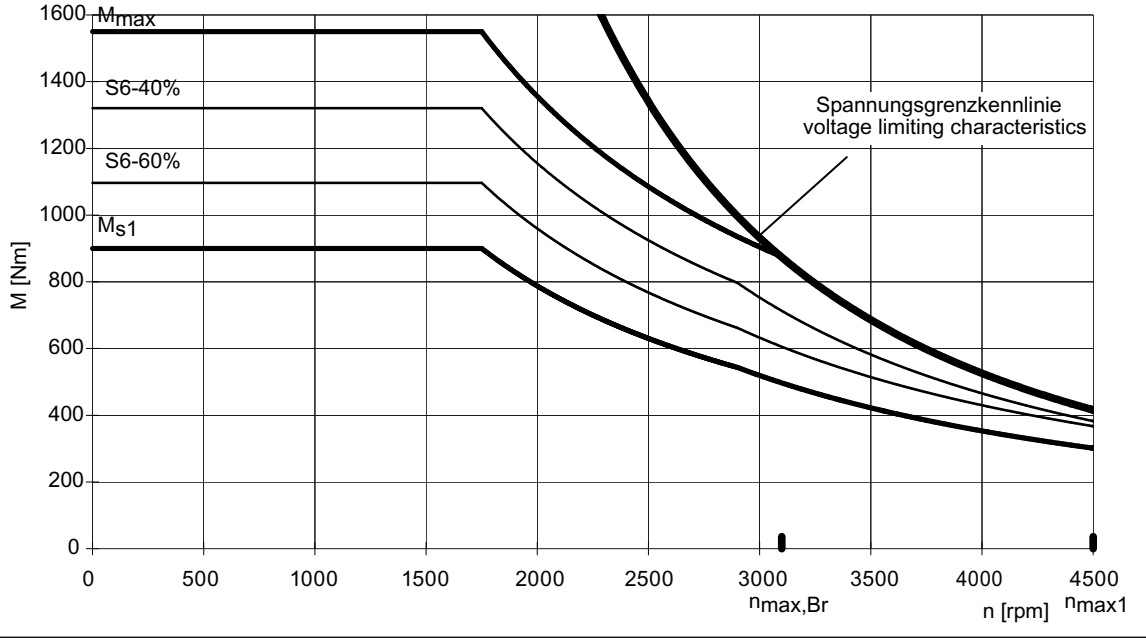
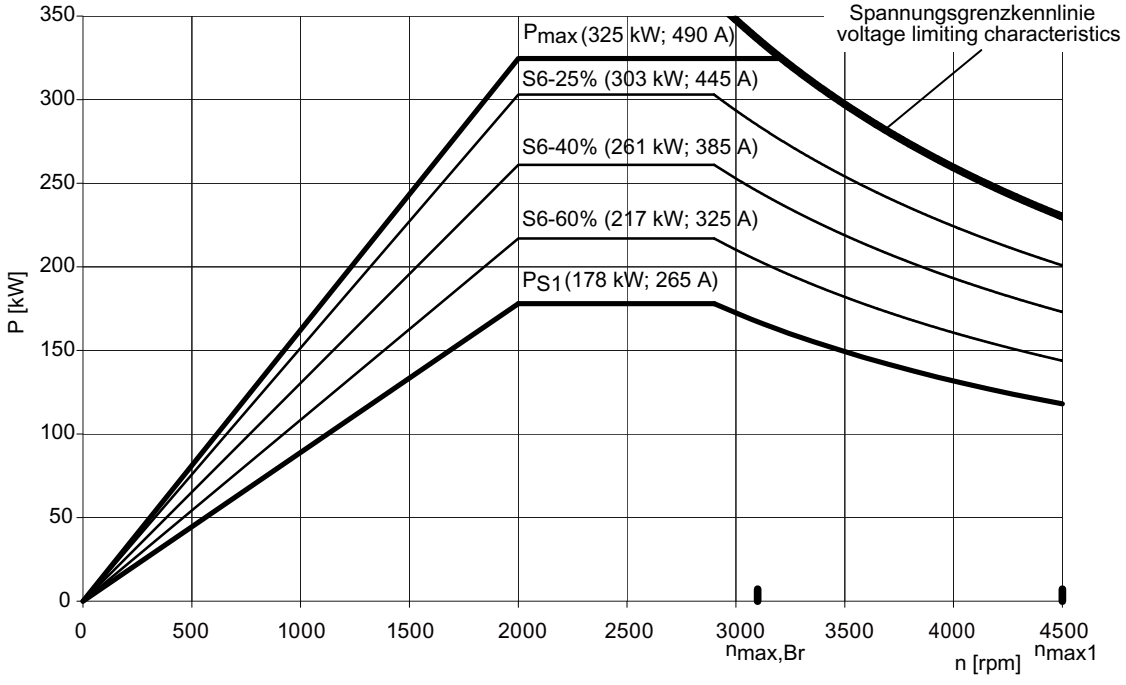


Table 2-171 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□F□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	178	850	265	4,500	-	-	3,100	2,900	1,550	490	850	265



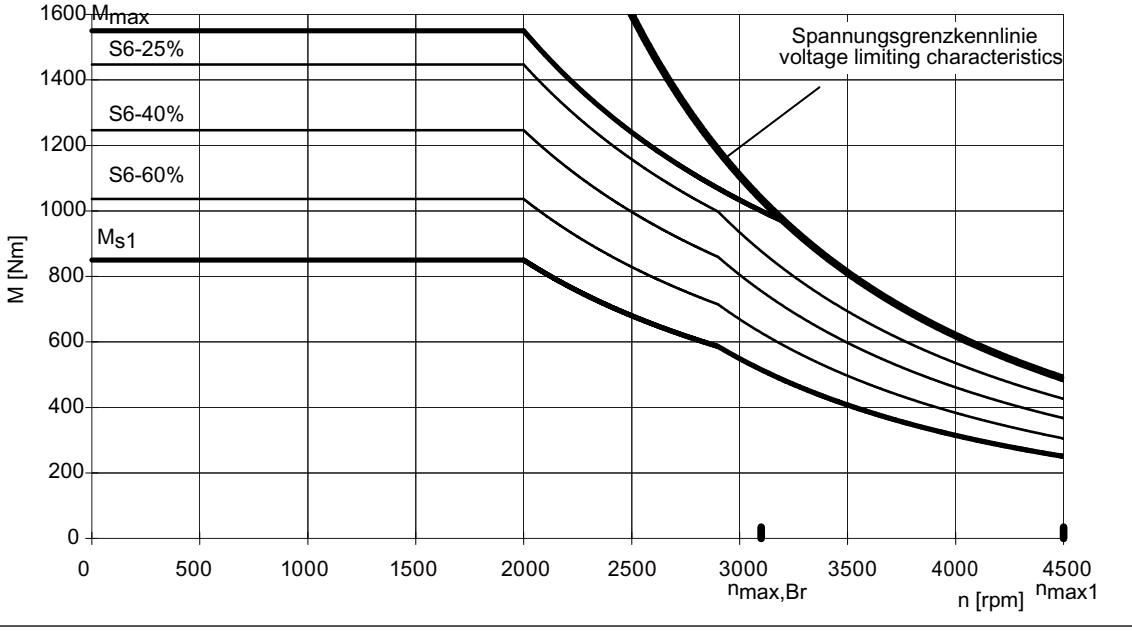


Table 2-172 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8224-□□F□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,200	178	773	250	4,500	-	-	3,100	2,900	1,550	490	904	250

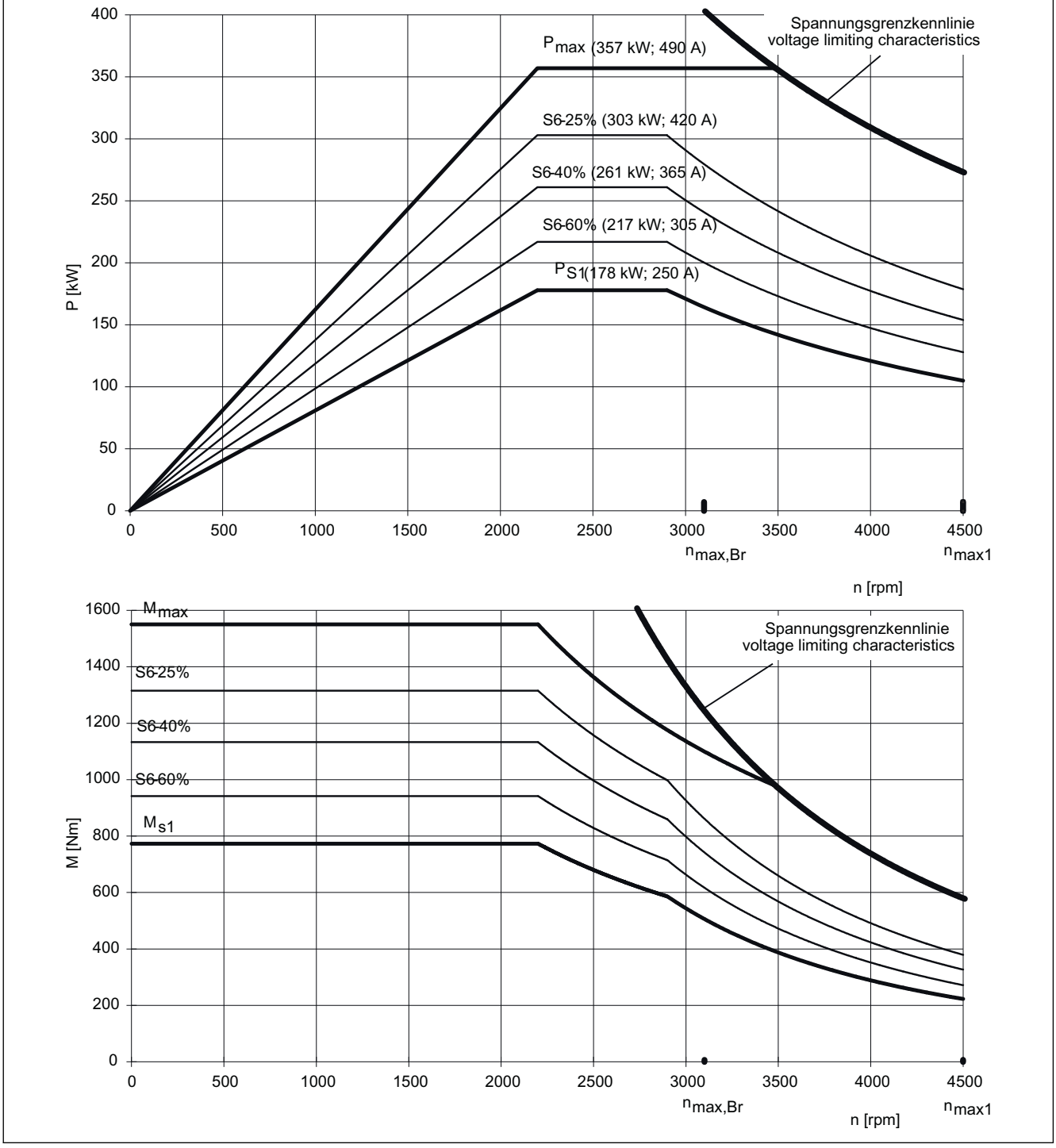
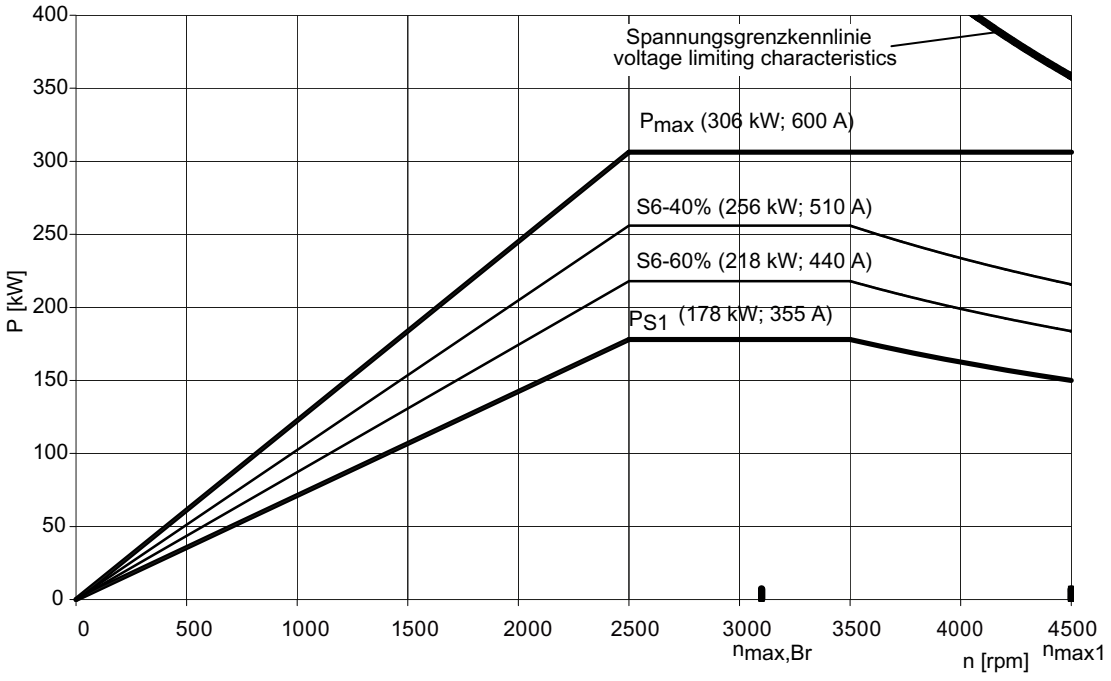


Table 2-173 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□L□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,500	178	680	355	4,500	-	-	3,100	3,500	1,170	600	680	355



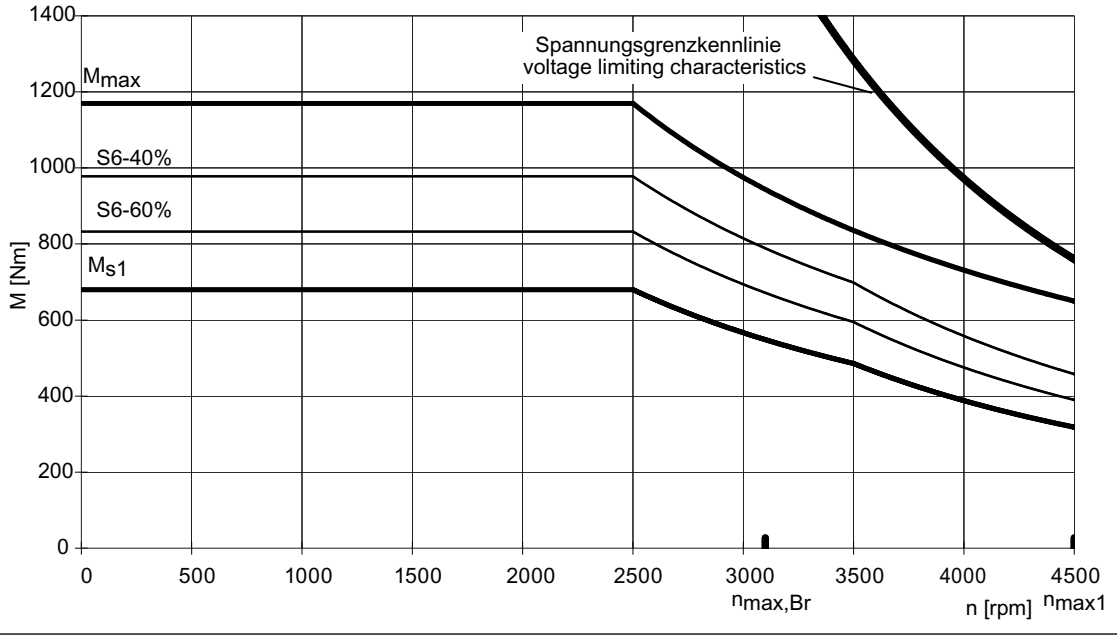
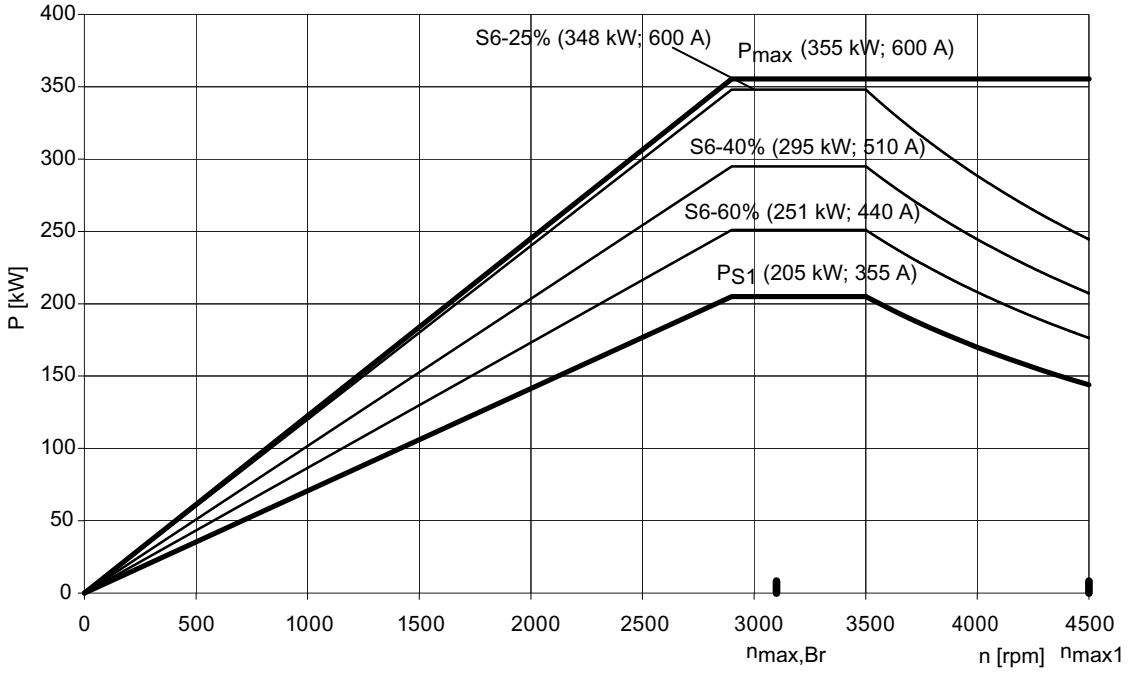


Table 2-174 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8224-□□L□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,900	205	675	355	4,500	-	-	3,100	3,500	1,170	600	675	355
2,500	178	680	355					3,900				



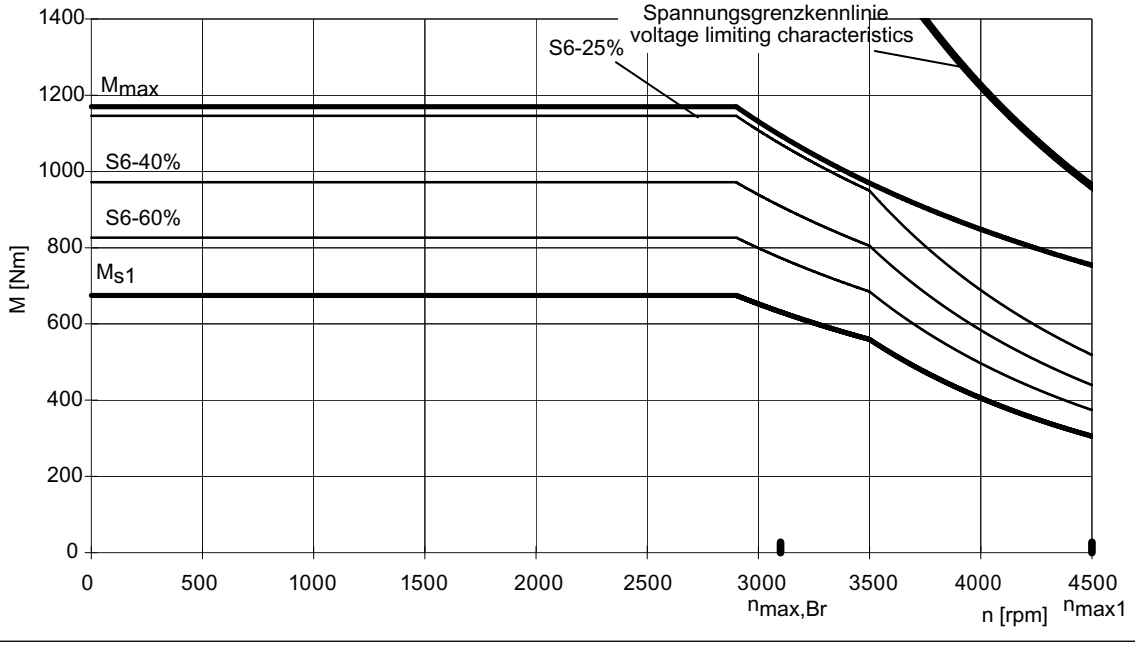


Table 2-175 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8224-□□L□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
3,400	205	576	310	4,500	-	-	3,100	3,500	1,170	600	576	310

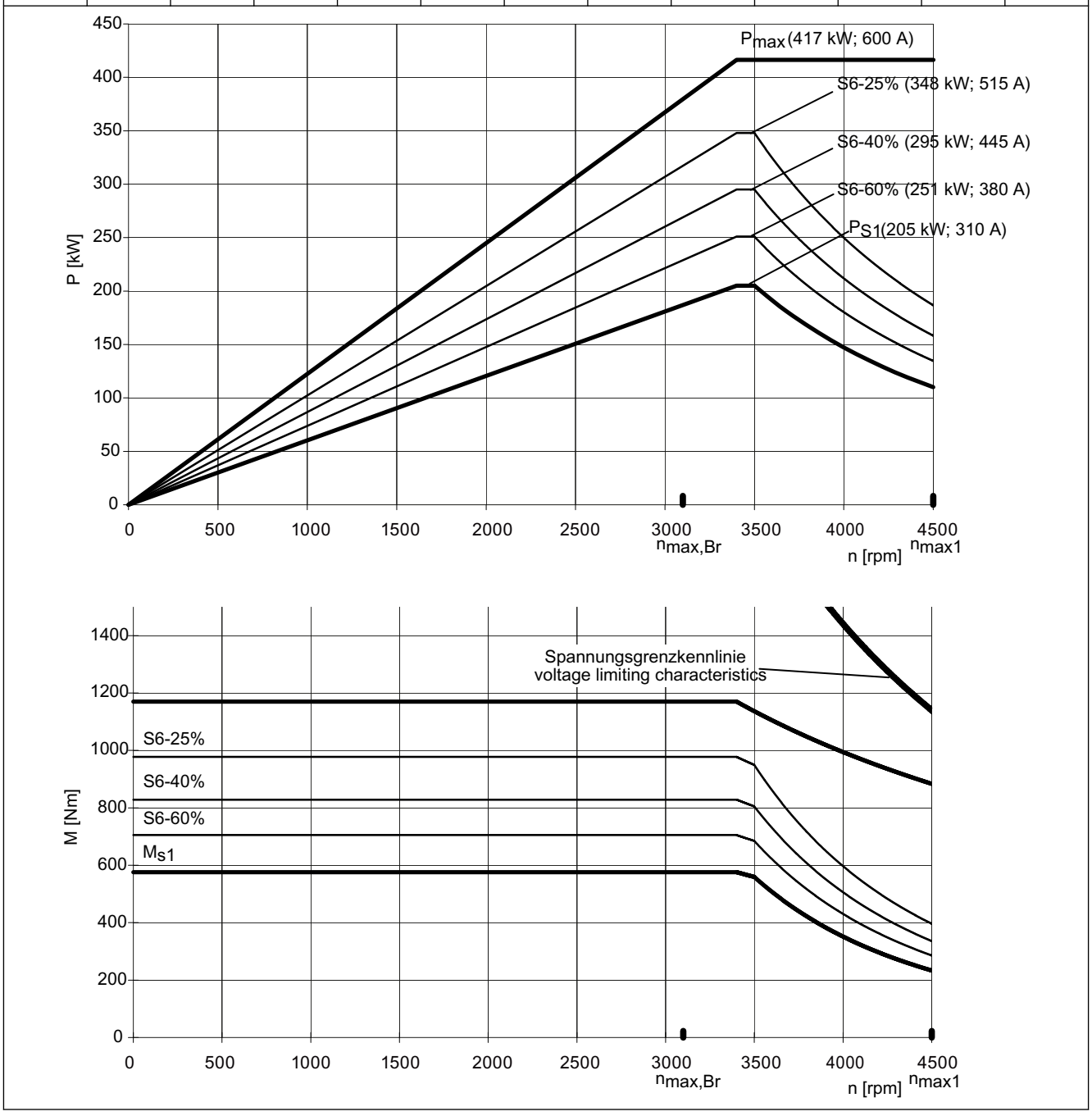


Table 2-176 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□B□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	57	1,361	144	4,500	-	-	3,100	2,100	2,300	255	1,361	144

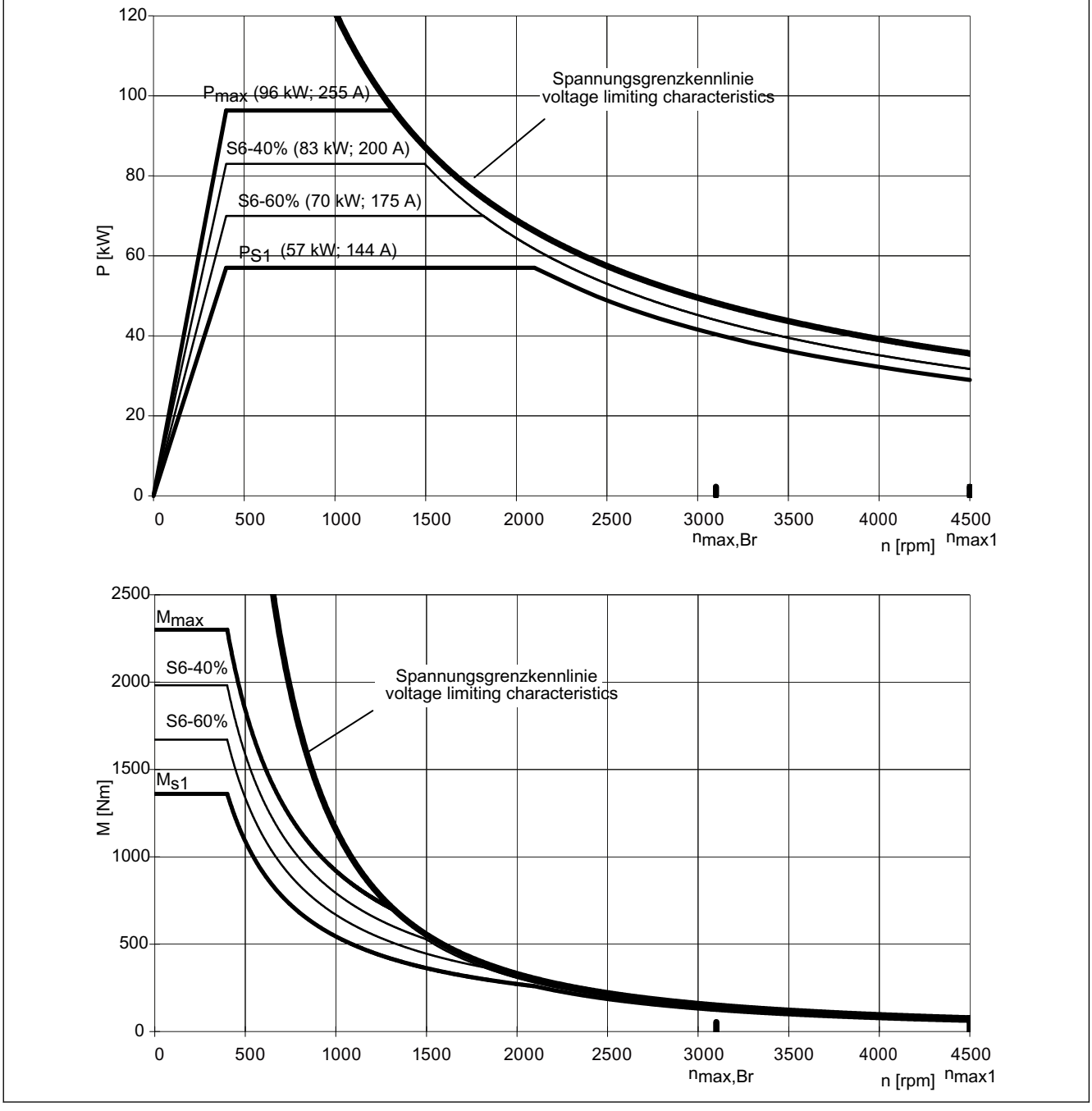
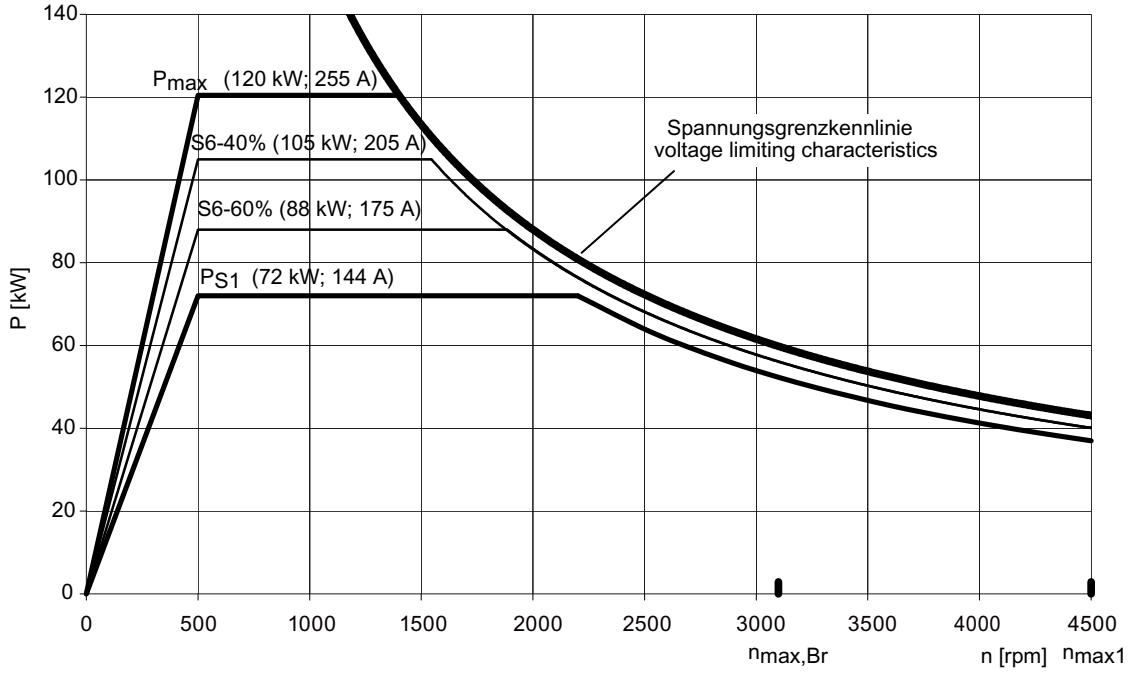


Table 2-177 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8226-□□B□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	72	1,375	144	4,500	-	-	3,100	2,200	2,300	255	1,375	144
400	57	1,361	144					2,800				



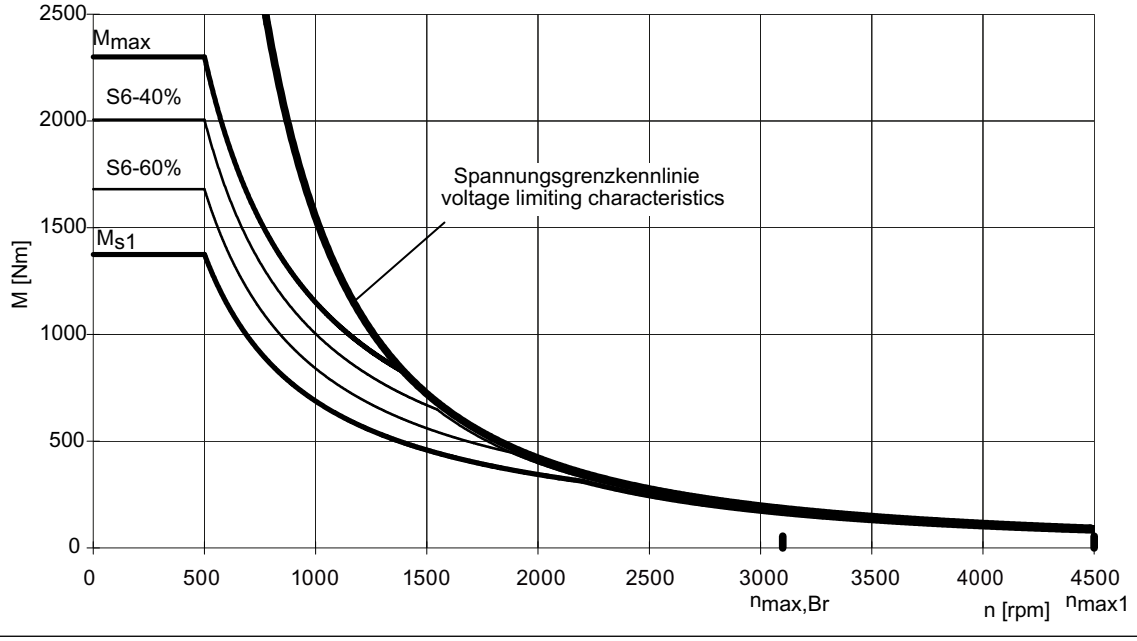


Table 2-178 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□B□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	87	1,385	152	4,500	-	-	3,100	2,300	2,300	255	1,385	152

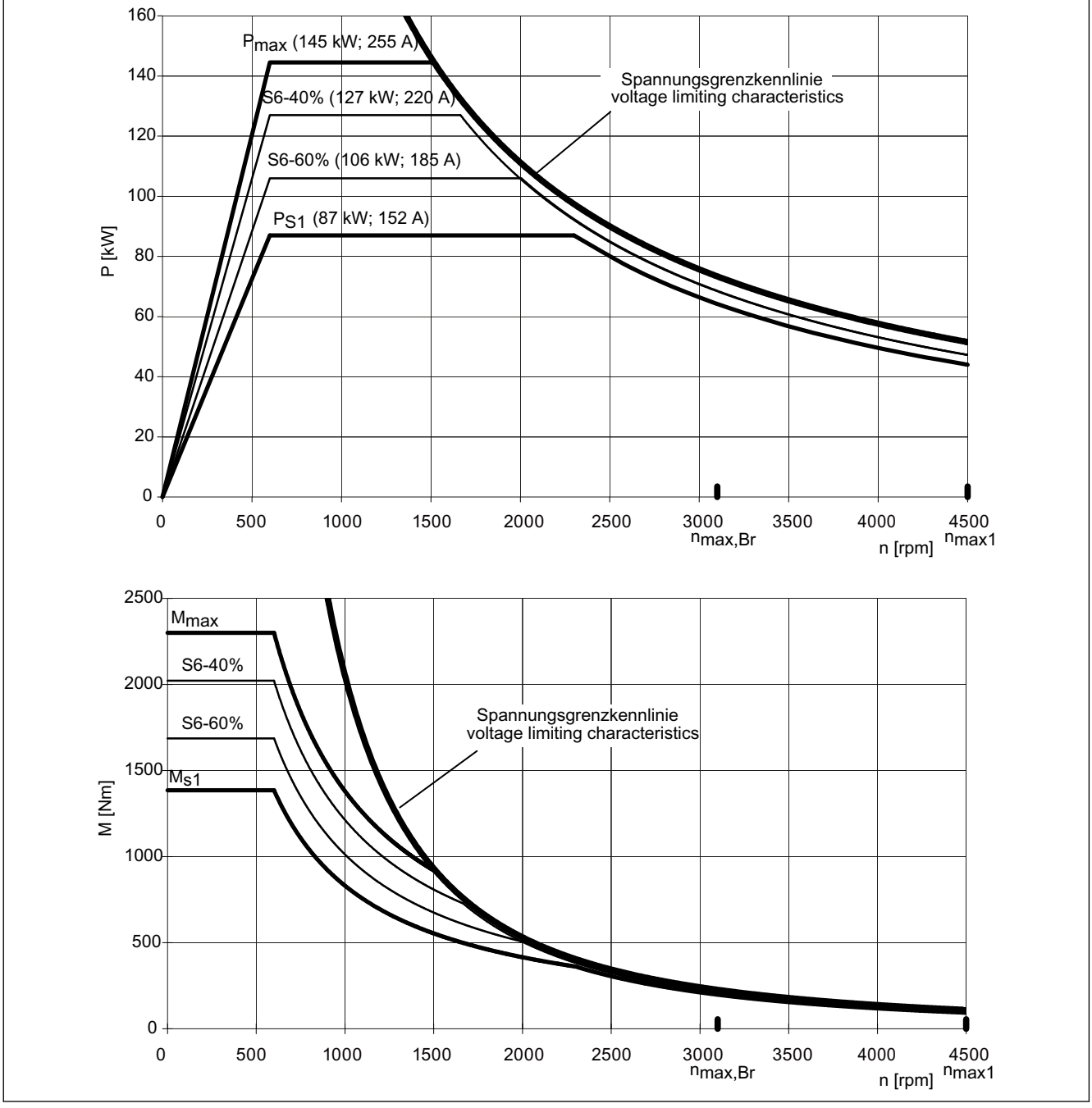


Table 2-179 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8226-□□B□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	87	1,187	128	4,500	-	-	3,100	2,400	2,300	255	1,361	128

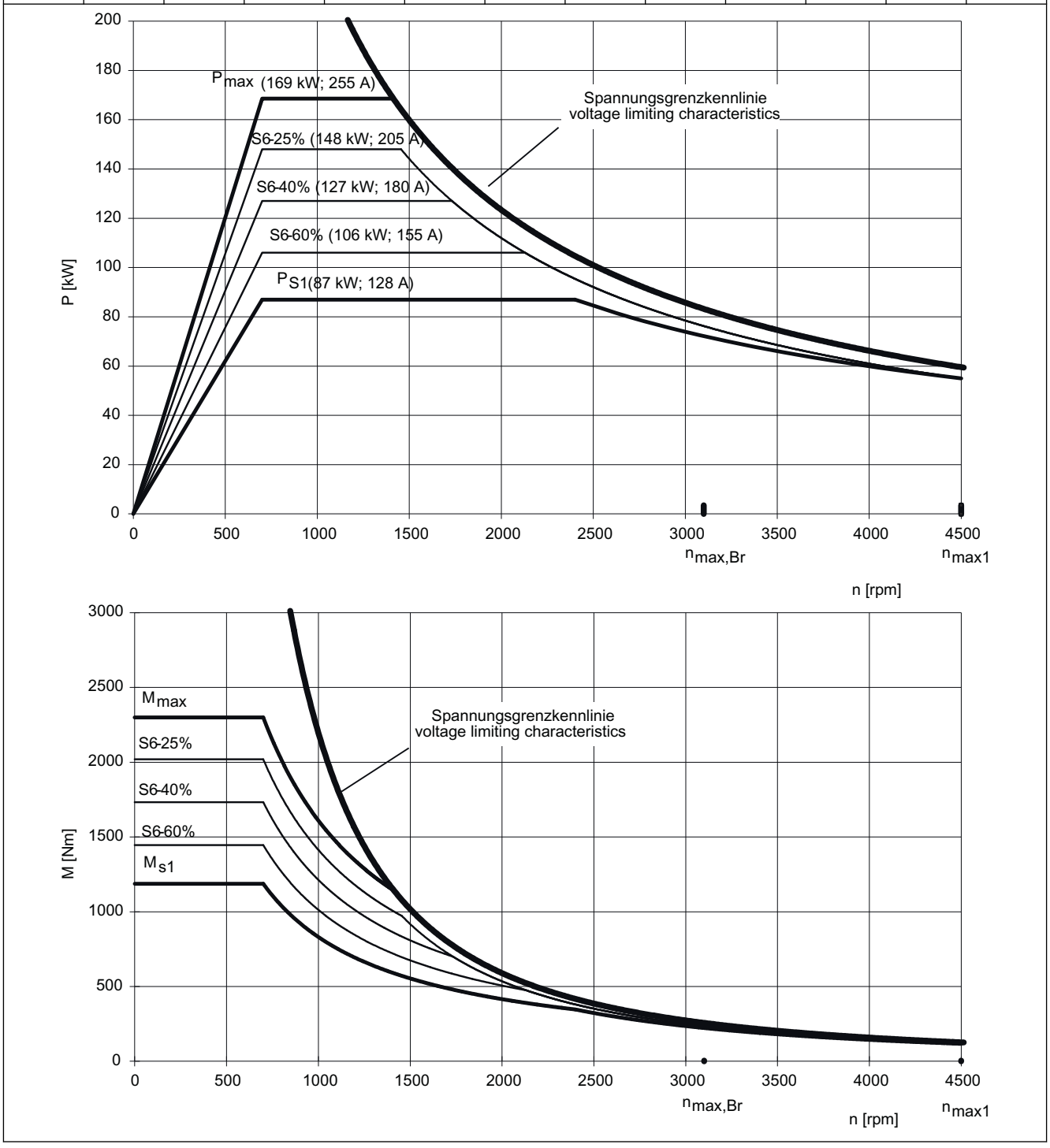


Table 2-180 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□C□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	106	1,446	240	4,500	-	-	3,100	2,200	2,300	395	1,446	240

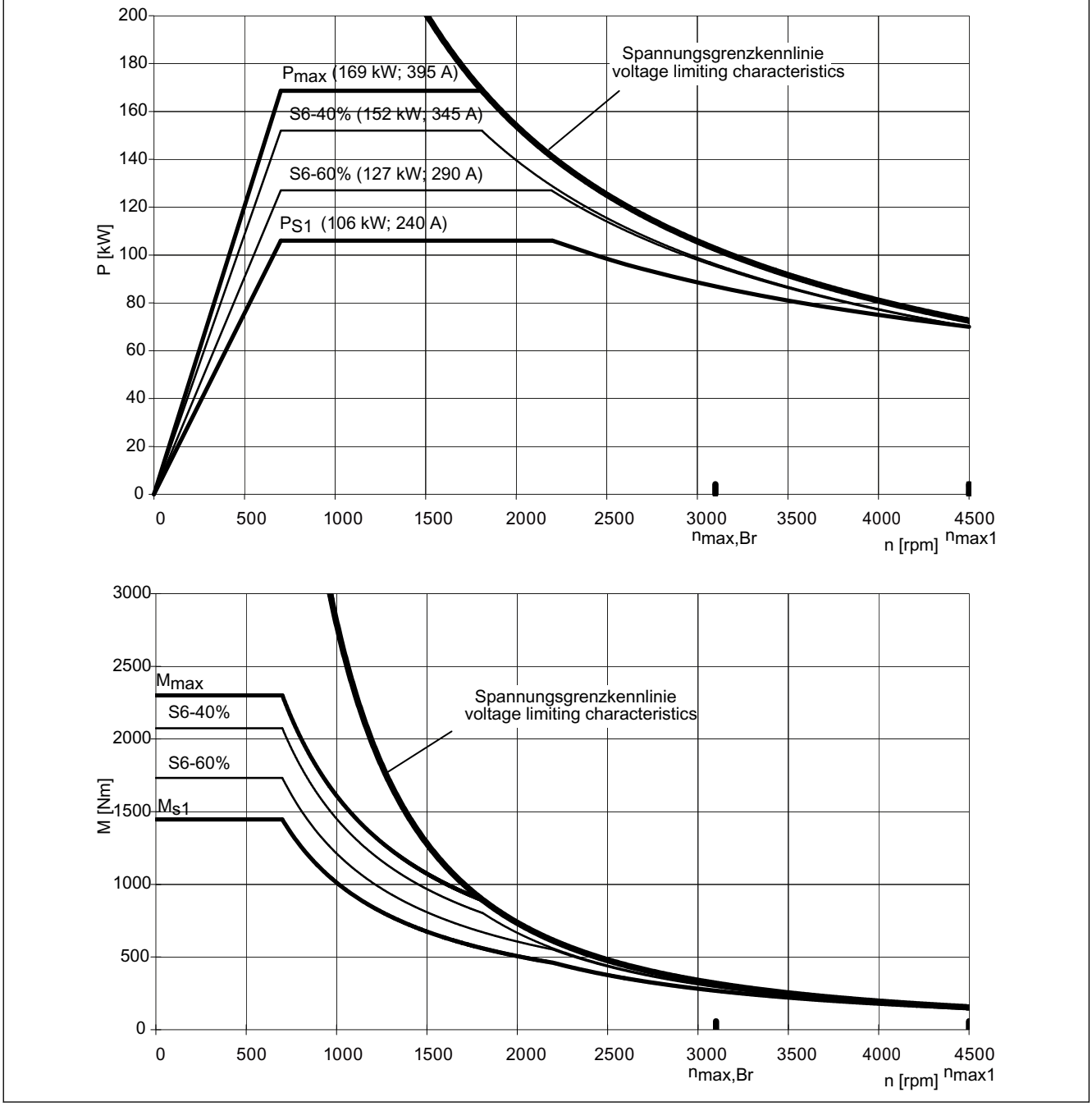
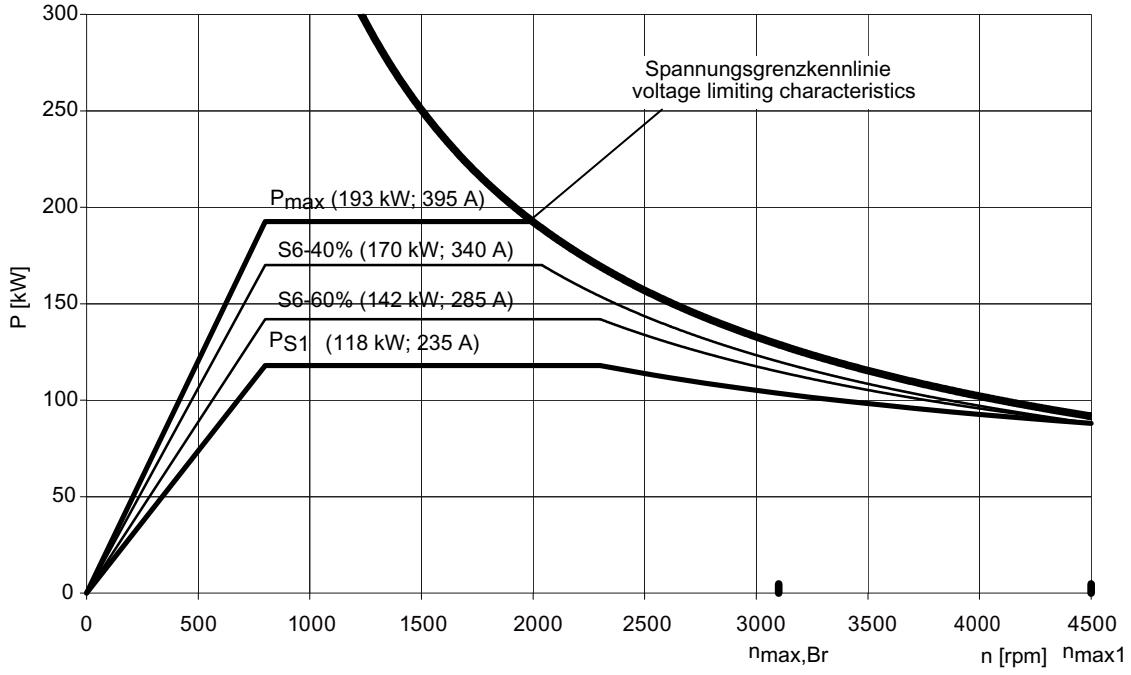


Table 2-181 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8226-□□C□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	118	1,409	235	4,500	-	-	3,100	2,300	2,300	395	1,409	235
700	106	1,446	240					2,900				



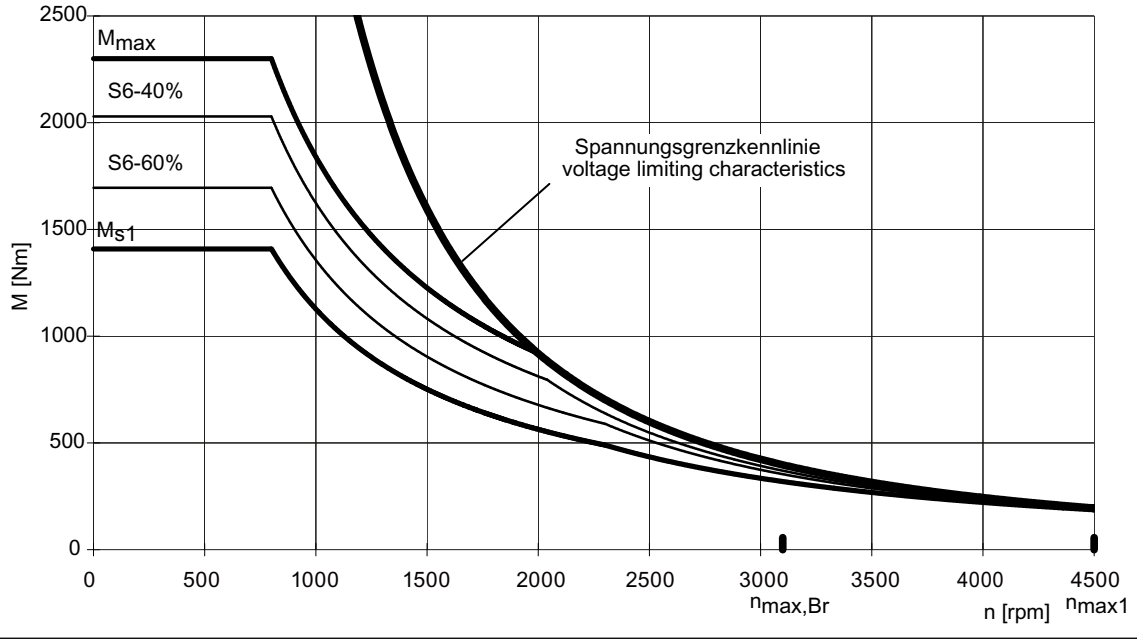


Table 2-182 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□C□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	146	1,394	230	4,500	-	-	3,100	2,300	2,300	395	1,394	230

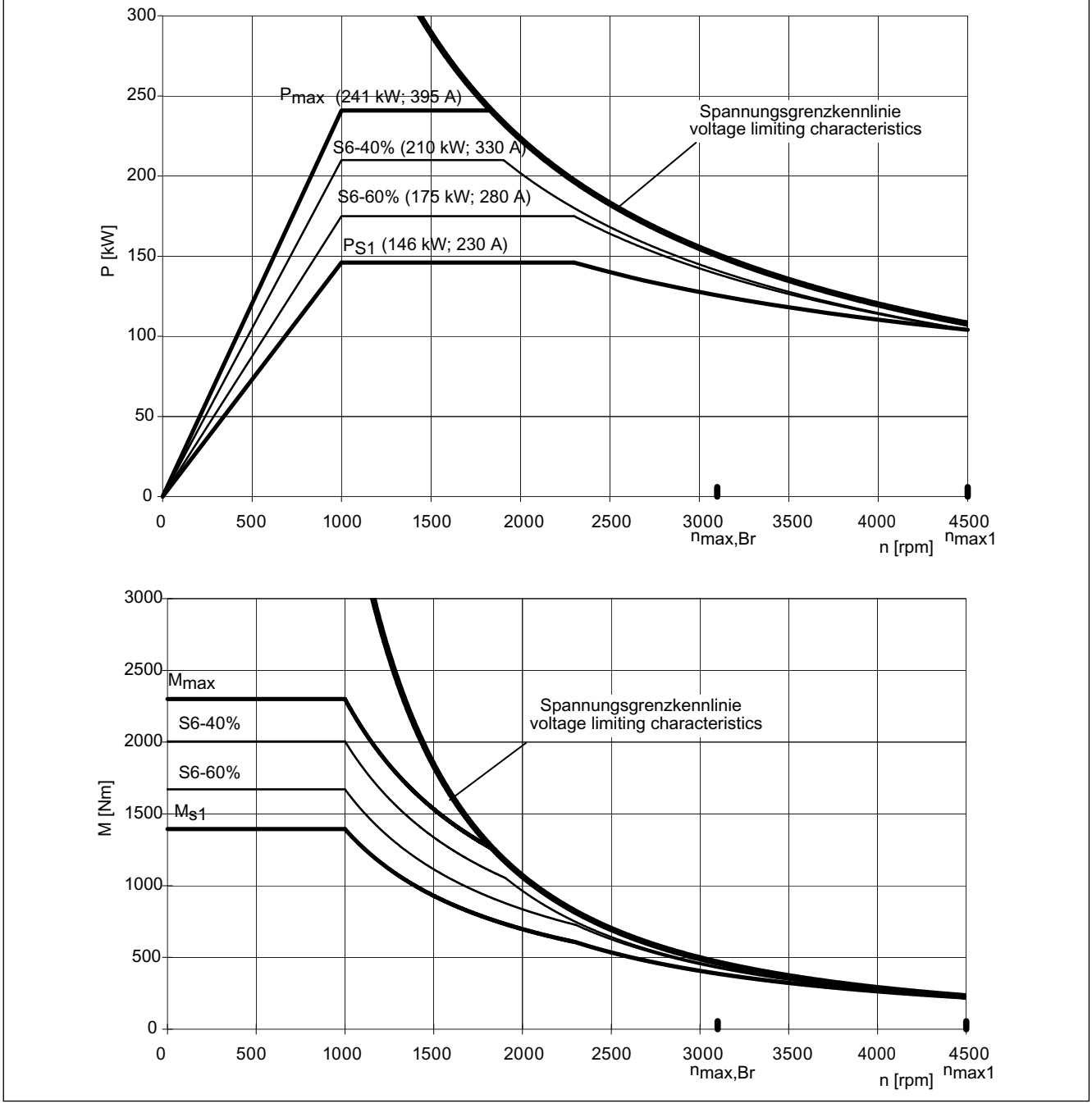


Table 2-183 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8226-□□C□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,100	146	1,268	205	4,500	-	-	3,100	2,500	2,300	395	1,446	205

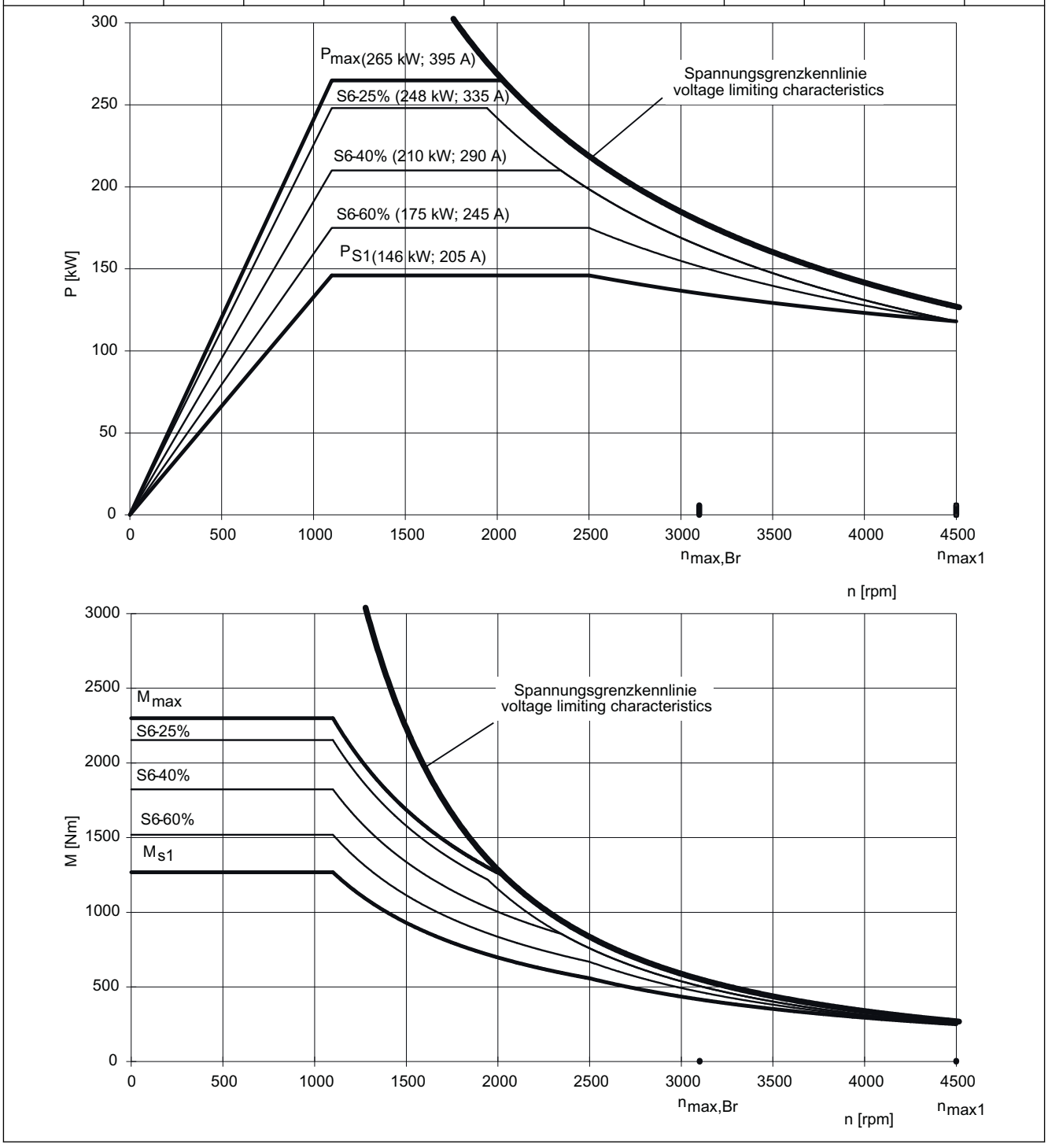
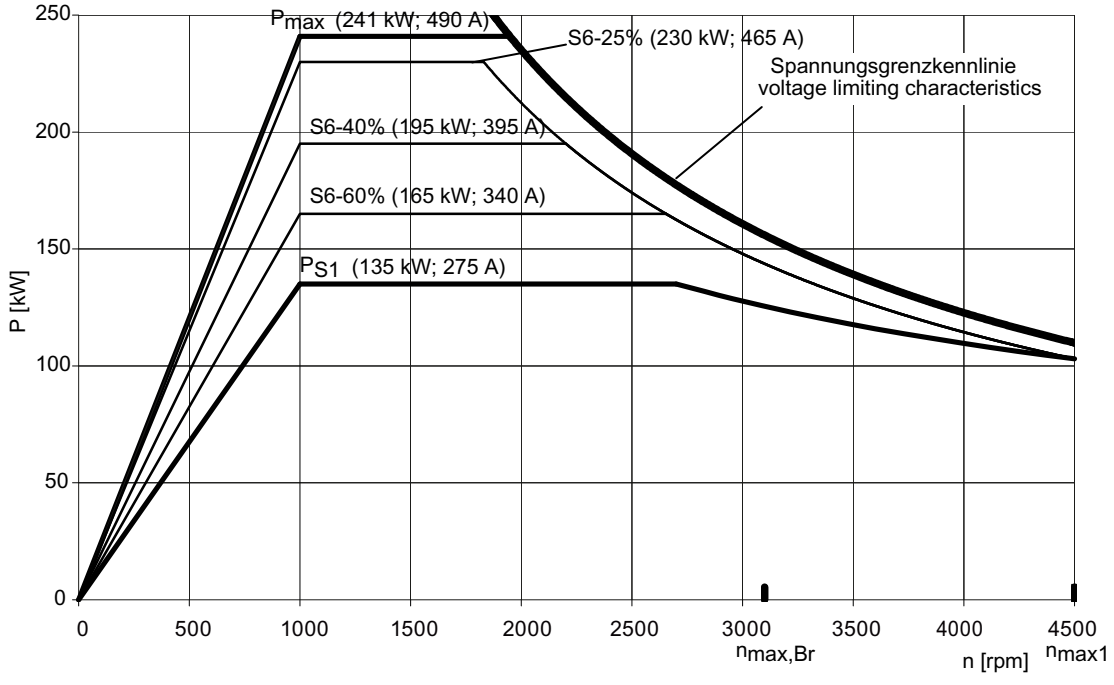


Table 2-184 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□D□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	135	1,289	275	4,500	-	-	3,100	2,700	2,300	490	1,289	275



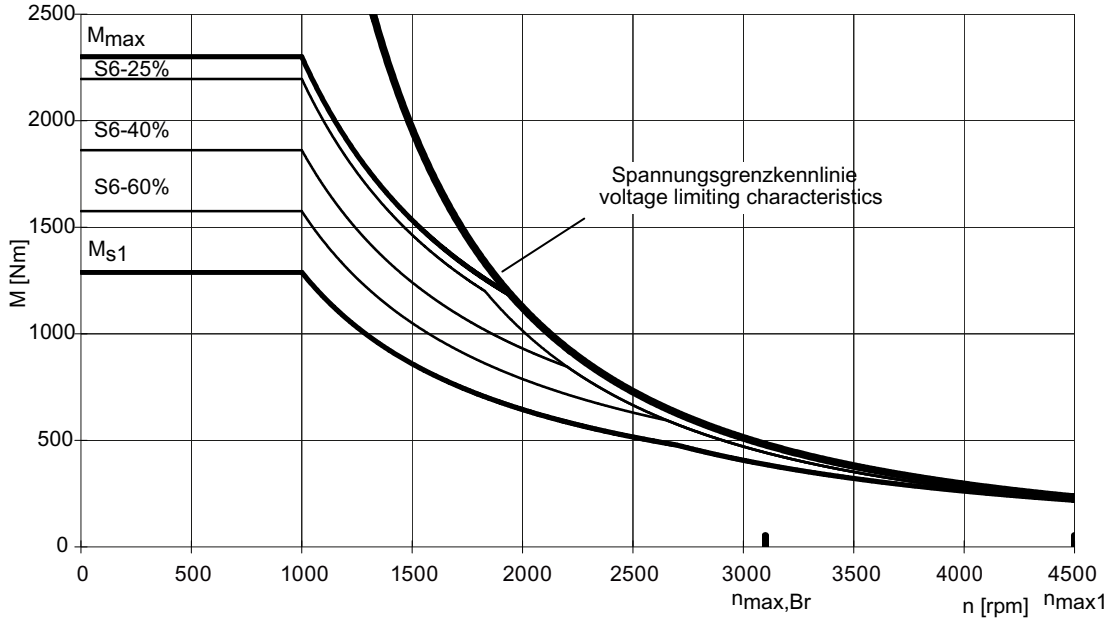
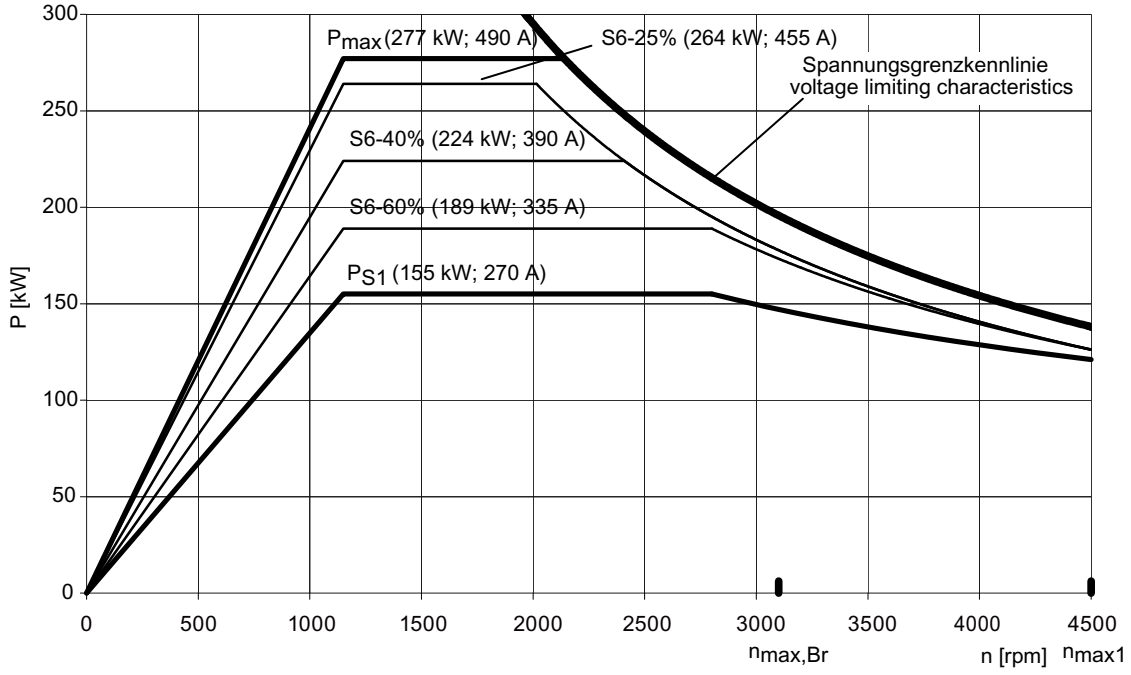


Table 2-185 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8226-□□D□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	155	1,287	270	4,500	-	-	3,100	2,800	2,300	490	1,287	270
1,000	135	1,289	275					3,600				



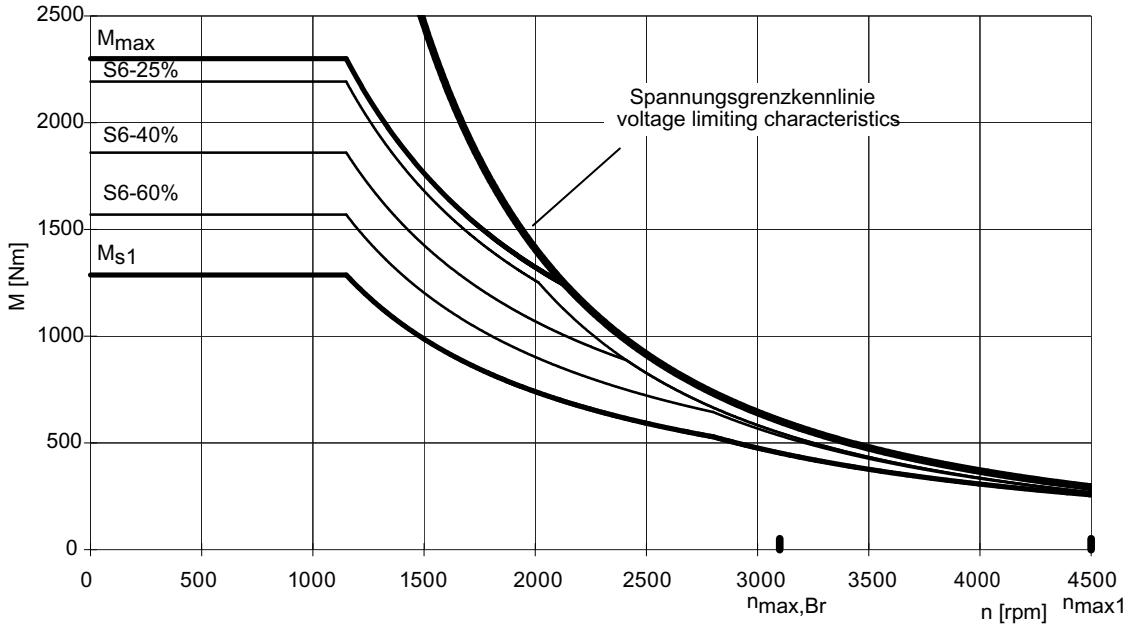


Table 2-186 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□D□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	172	1,217	255	4,500	-	-	3,100	2,900	2,300	490	1,217	255

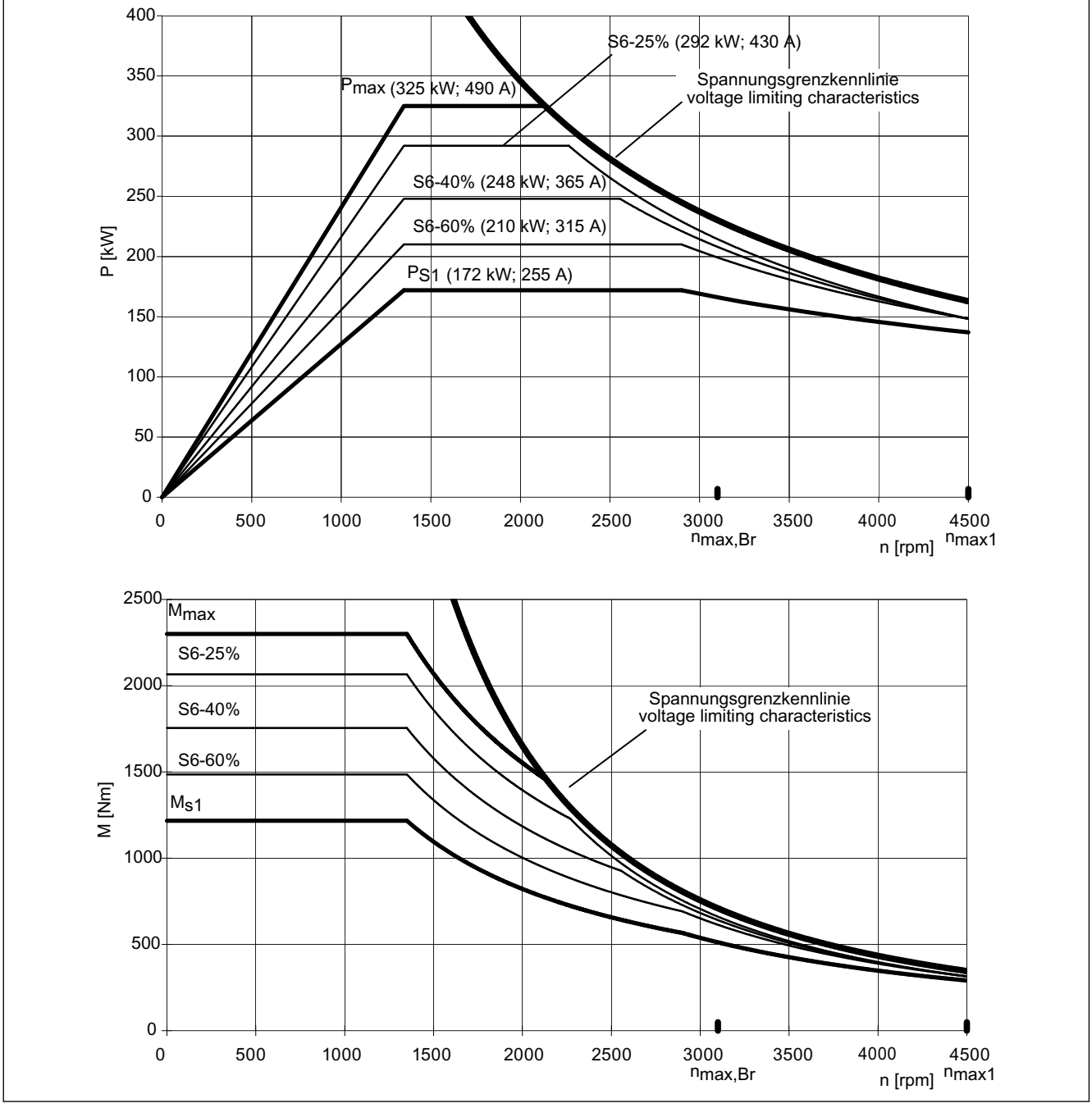


Table 2-187 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8226-□□D□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	172	1,095	240	4,500	-	-	3,100	3,100	2,300	490	1,289	240

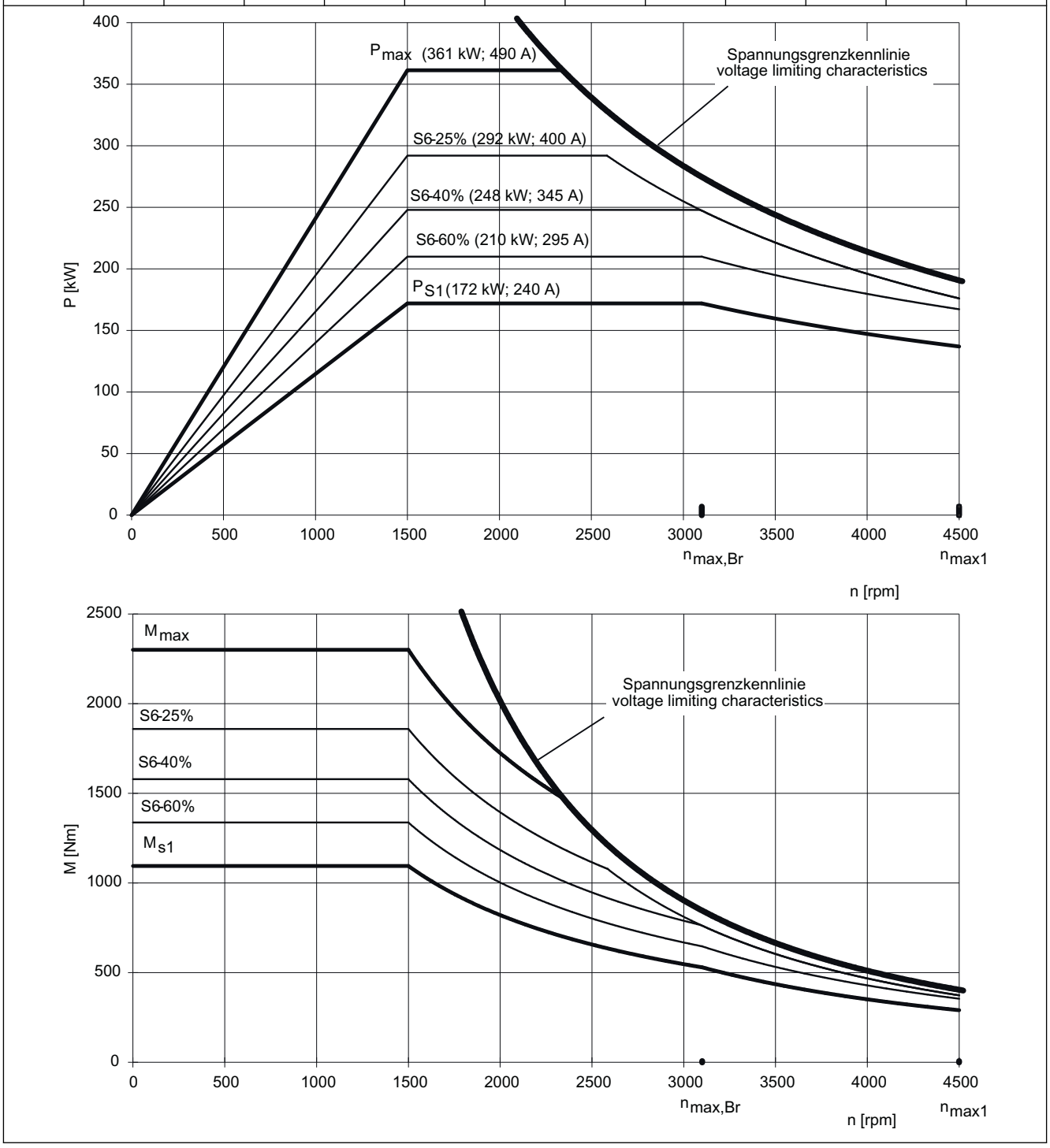
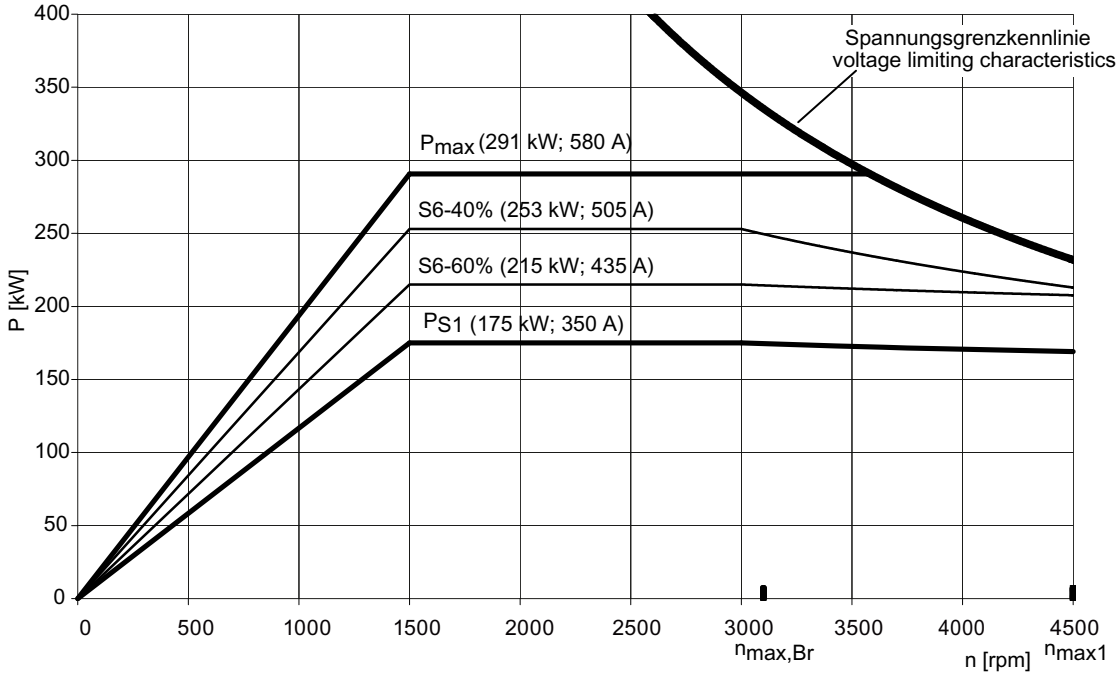


Table 2-188 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□F□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	175	1,114	350	4,500	-	-	3,100	3,000	1,850	580	1,114	350



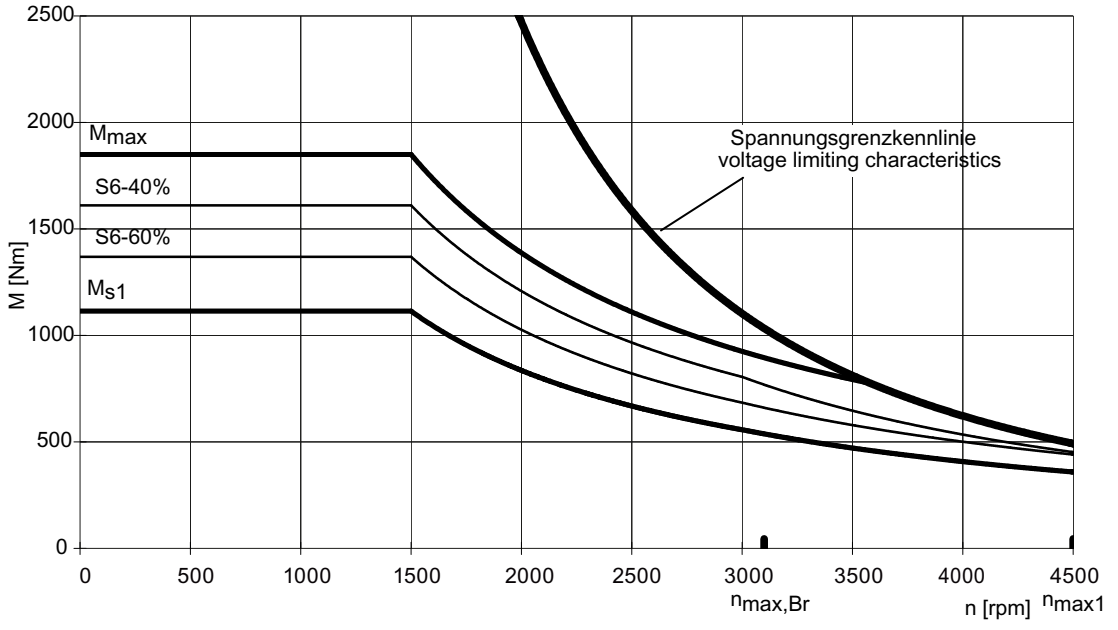
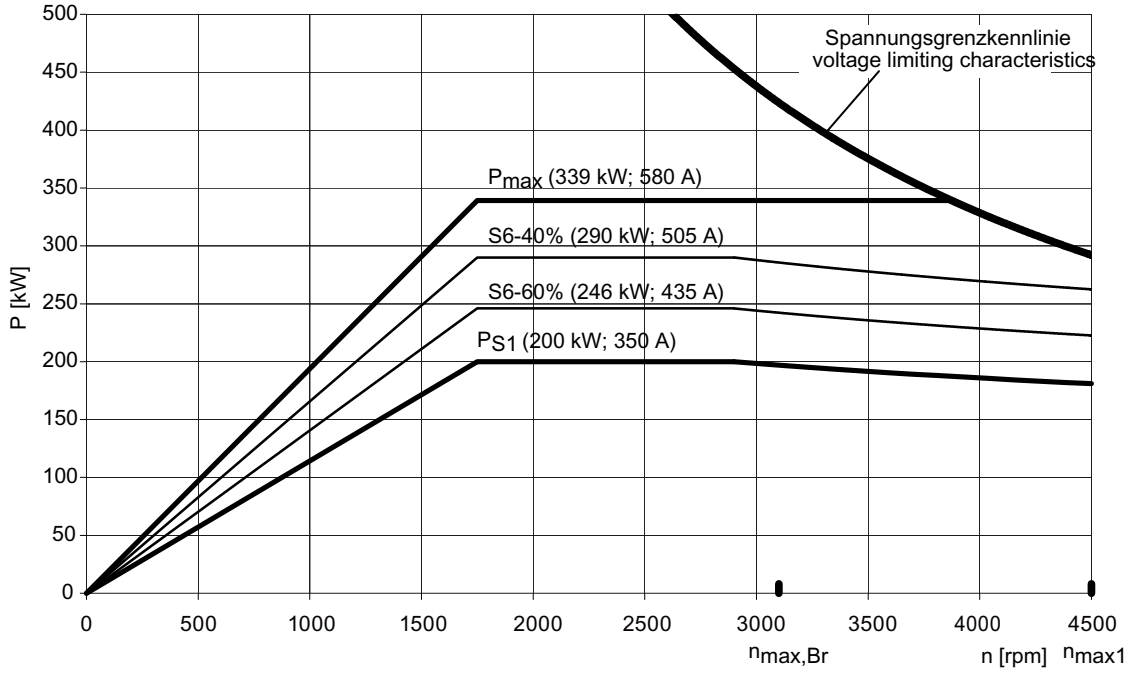


Table 2-189 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8226-□□F□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	200	1,091	350	4,500	-	-	3,100	2,900	1,850	580	1,091	350
1,500	175	1,114	350					4,500				



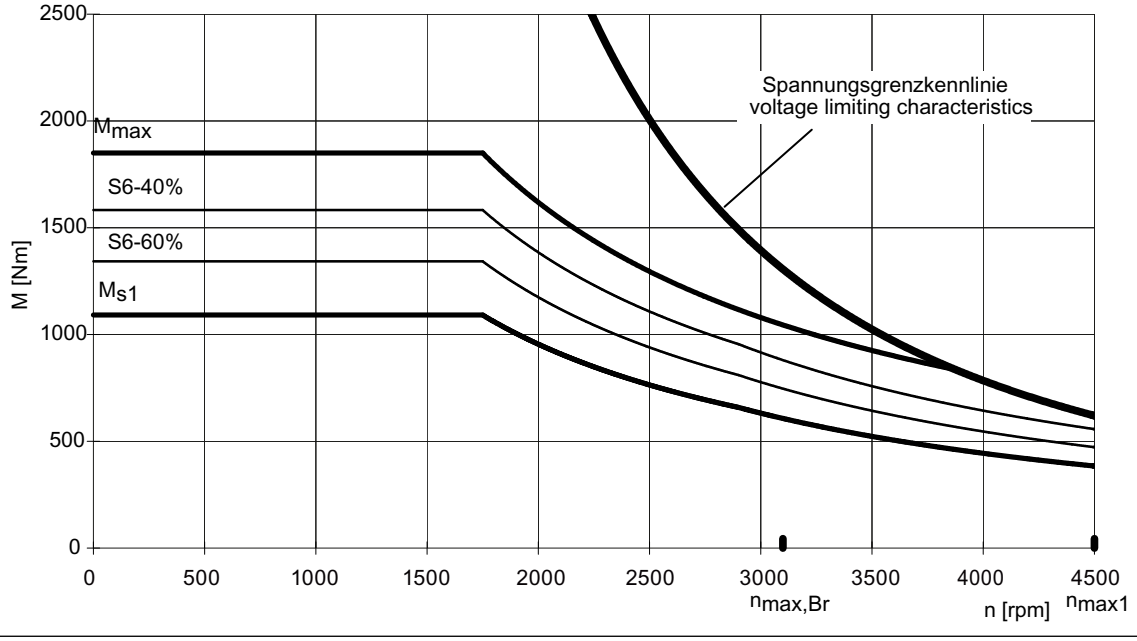
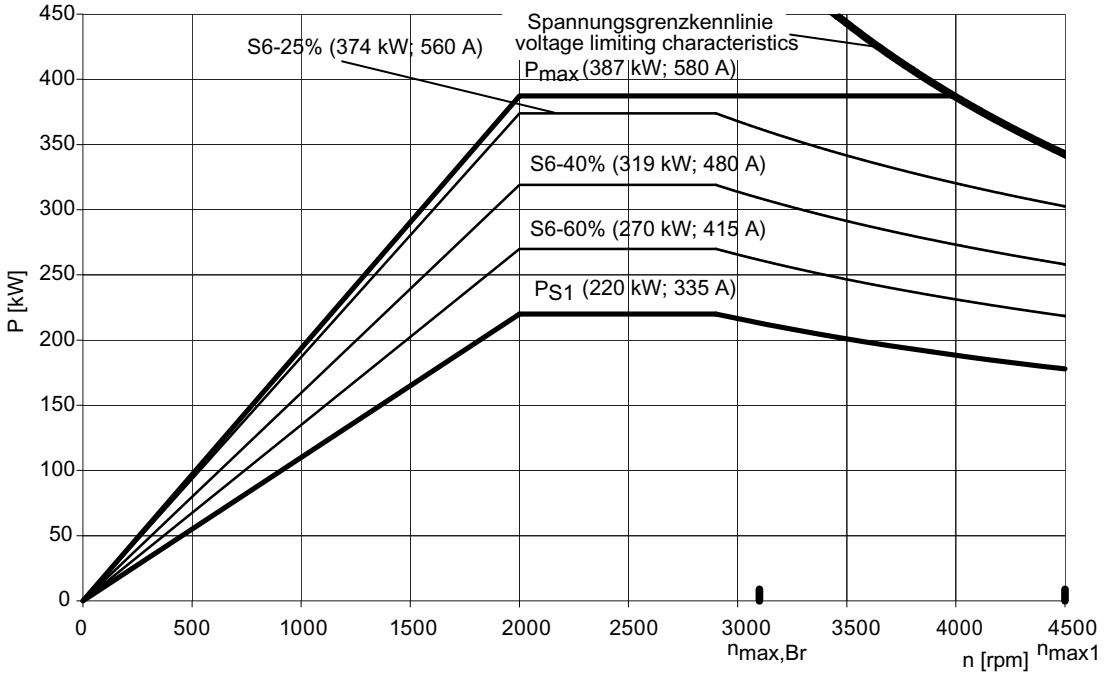


Table 2-190 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□F□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	220	1,051	335	4,500	-	-	3,100	2,900	1,850	580	1,051	335



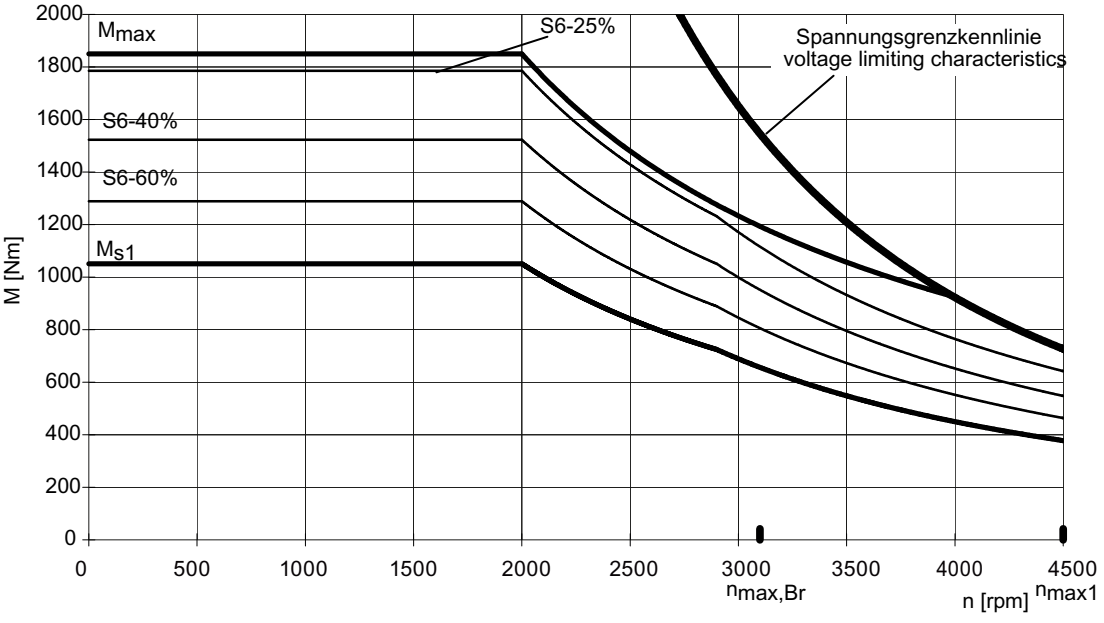
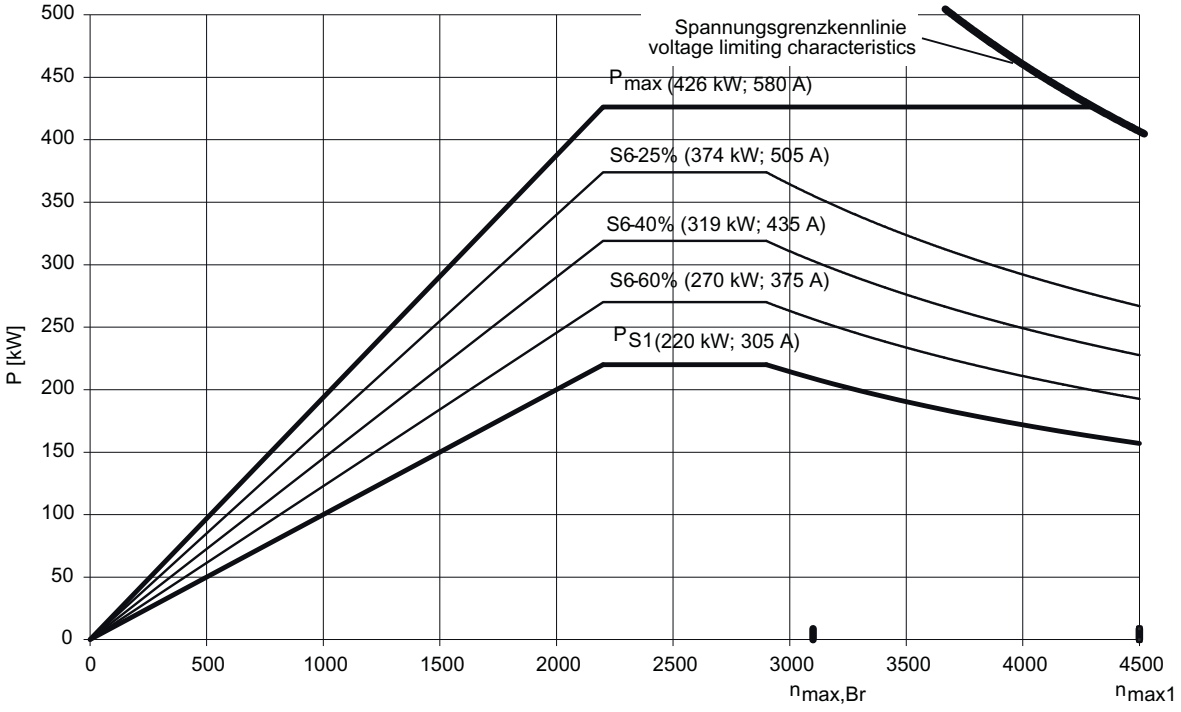


Table 2-191 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8226-□□F□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,200	220	955	305	4,500	-	-	3,100	2,900	1,850	580	1,114	305



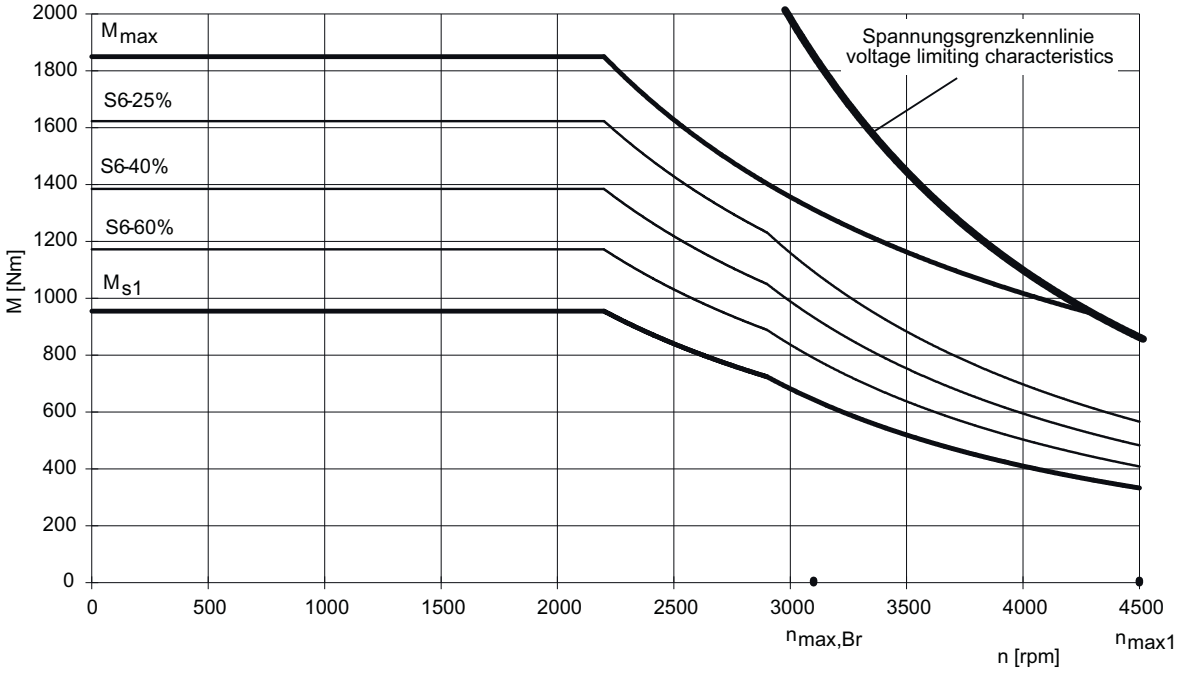
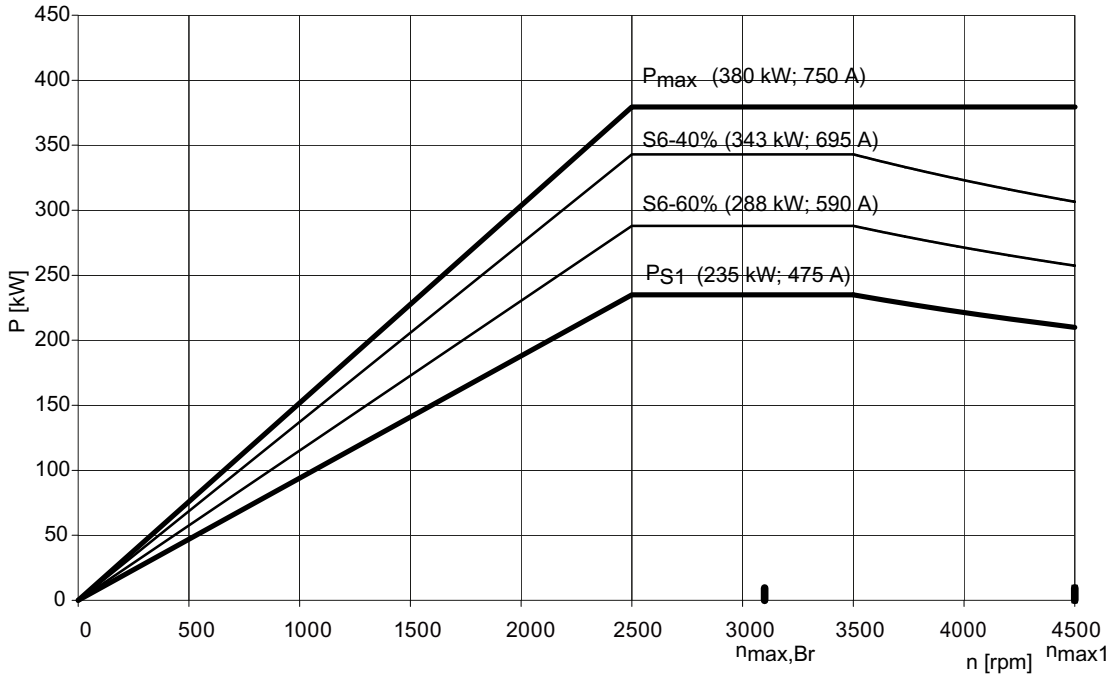


Table 2-192 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□L□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,500	235	898	475	4,500	-	-	3,100	3,500	1,450	750	898	475



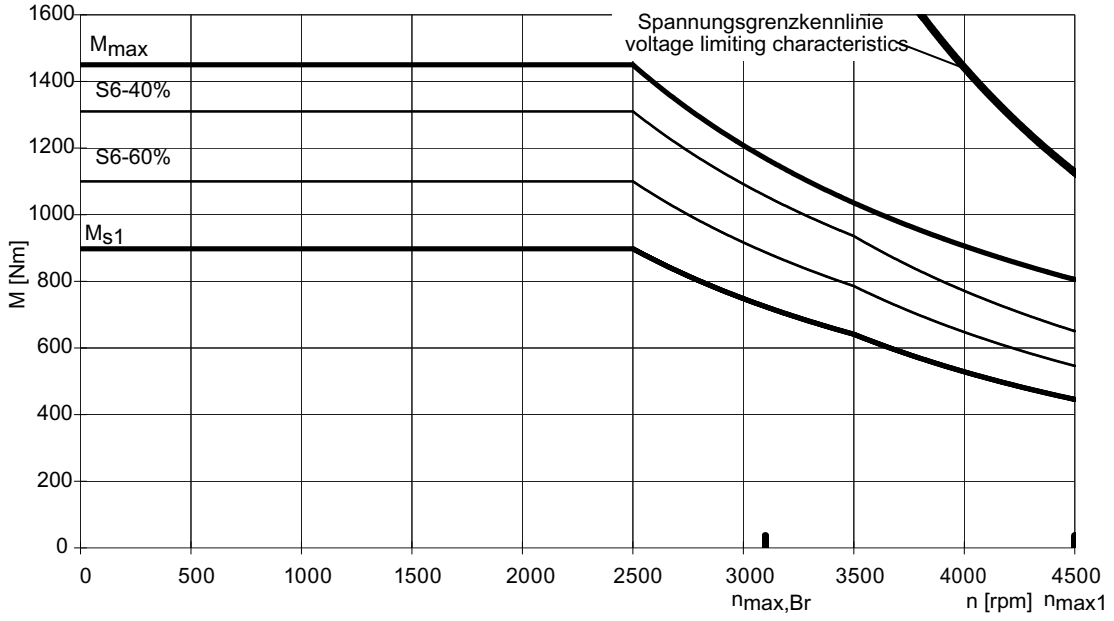
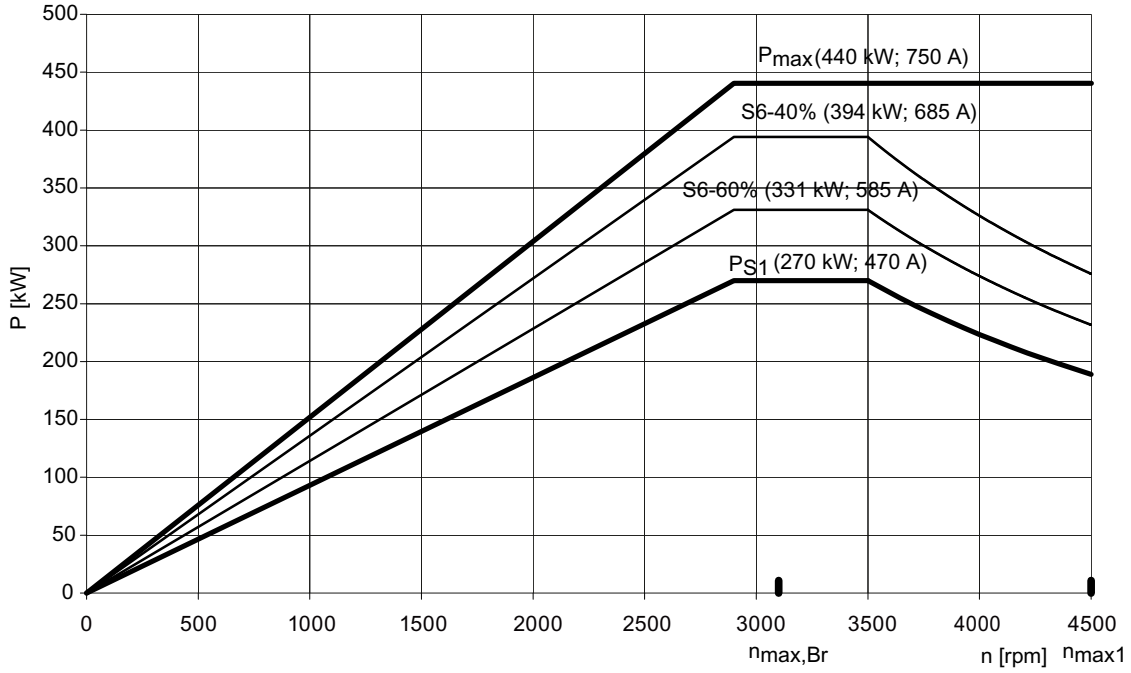


Table 2-193 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8226-□□L□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,900	270	889	470	4,500	-	-	3,100	3,500	1,450	750	889	470
2,500	235	898	475					3,900				



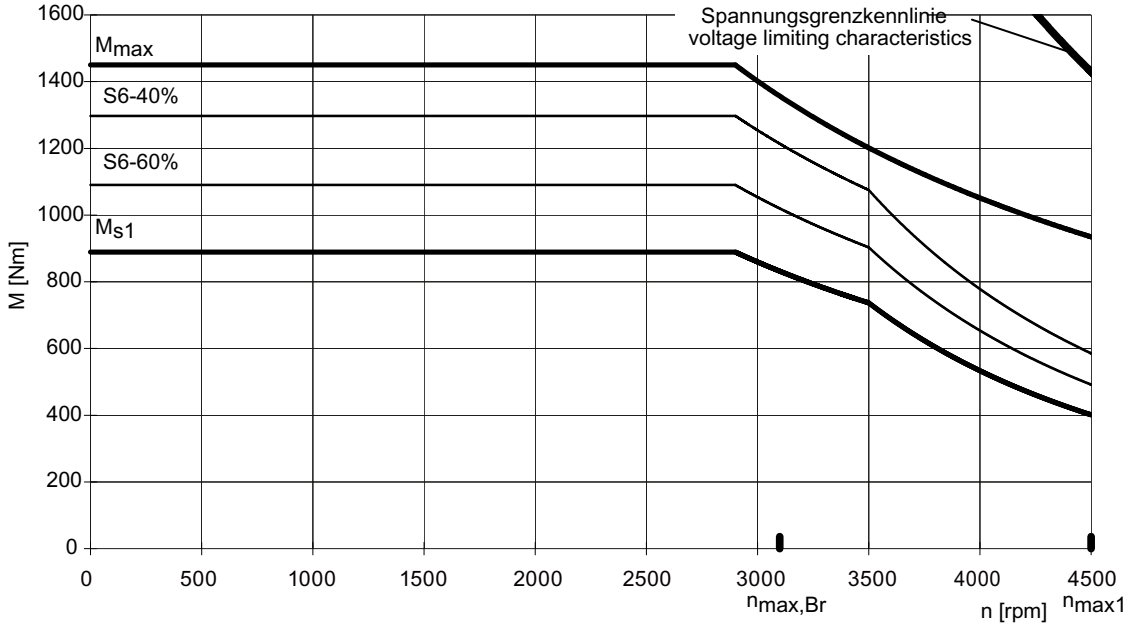


Table 2-194 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8226-□□L□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
3,400	270	758	405	4,500	-	-	3,100	3,500	1,450	750	758	405

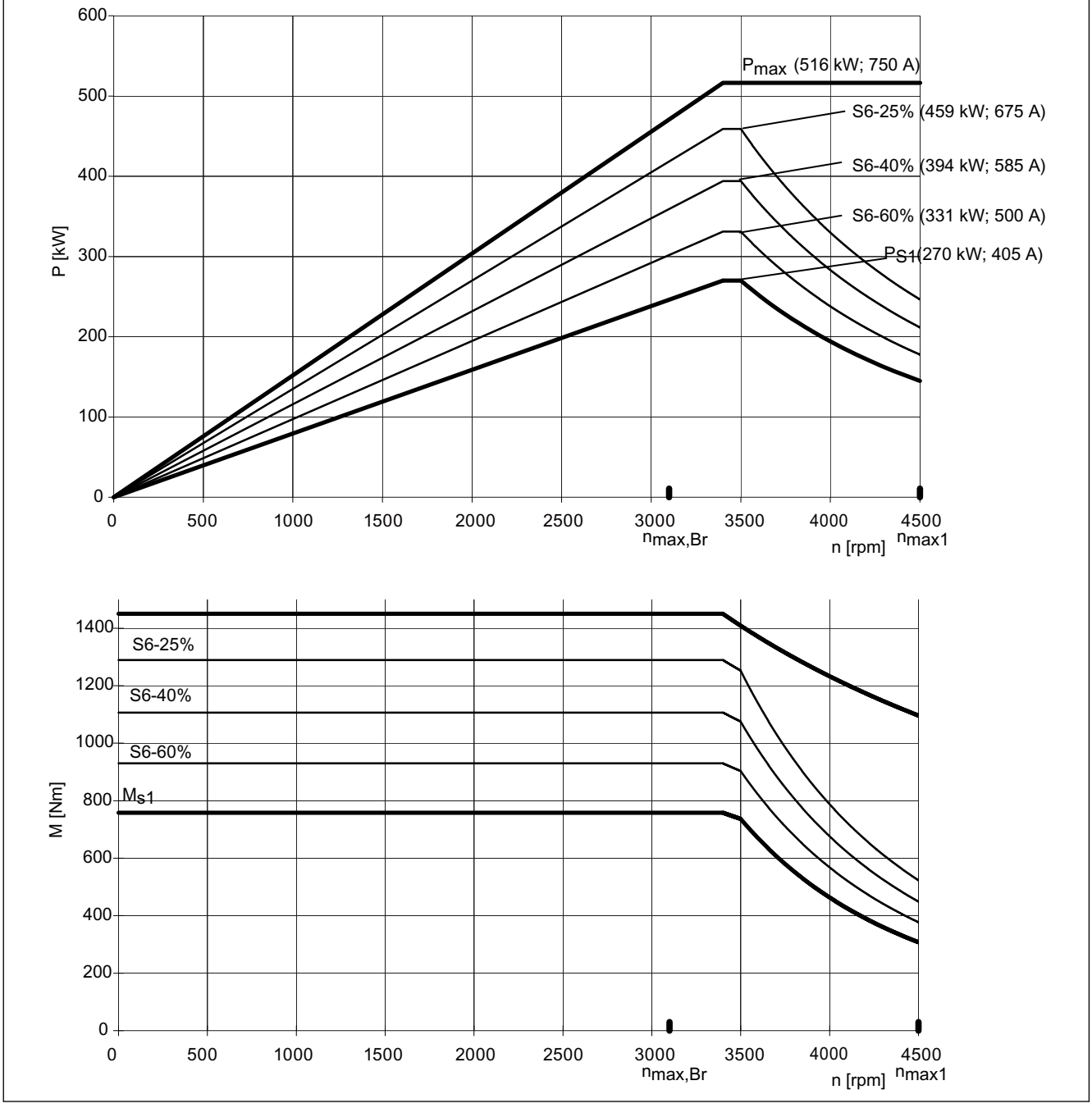


Table 2-195 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□B□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	72	1,719	176	4,500	-	-	3,100	2,200	2,750	300	1,719	176

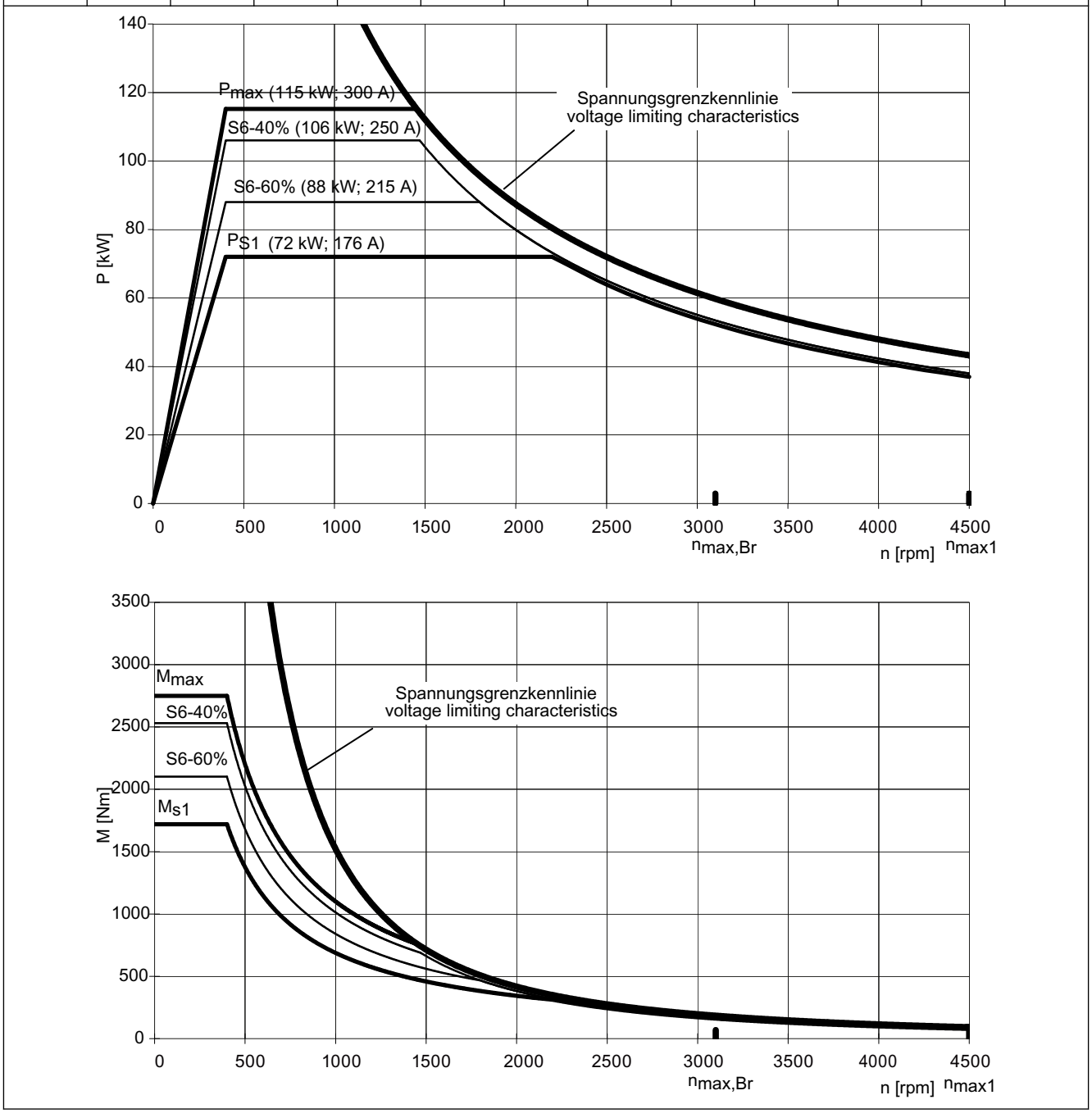


Table 2-196 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8228-□□B□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	90	1,719	174	4,500	-	-	3,100	2,200	2,750	300	1,719	174
400	72	1,719	176					2,900				

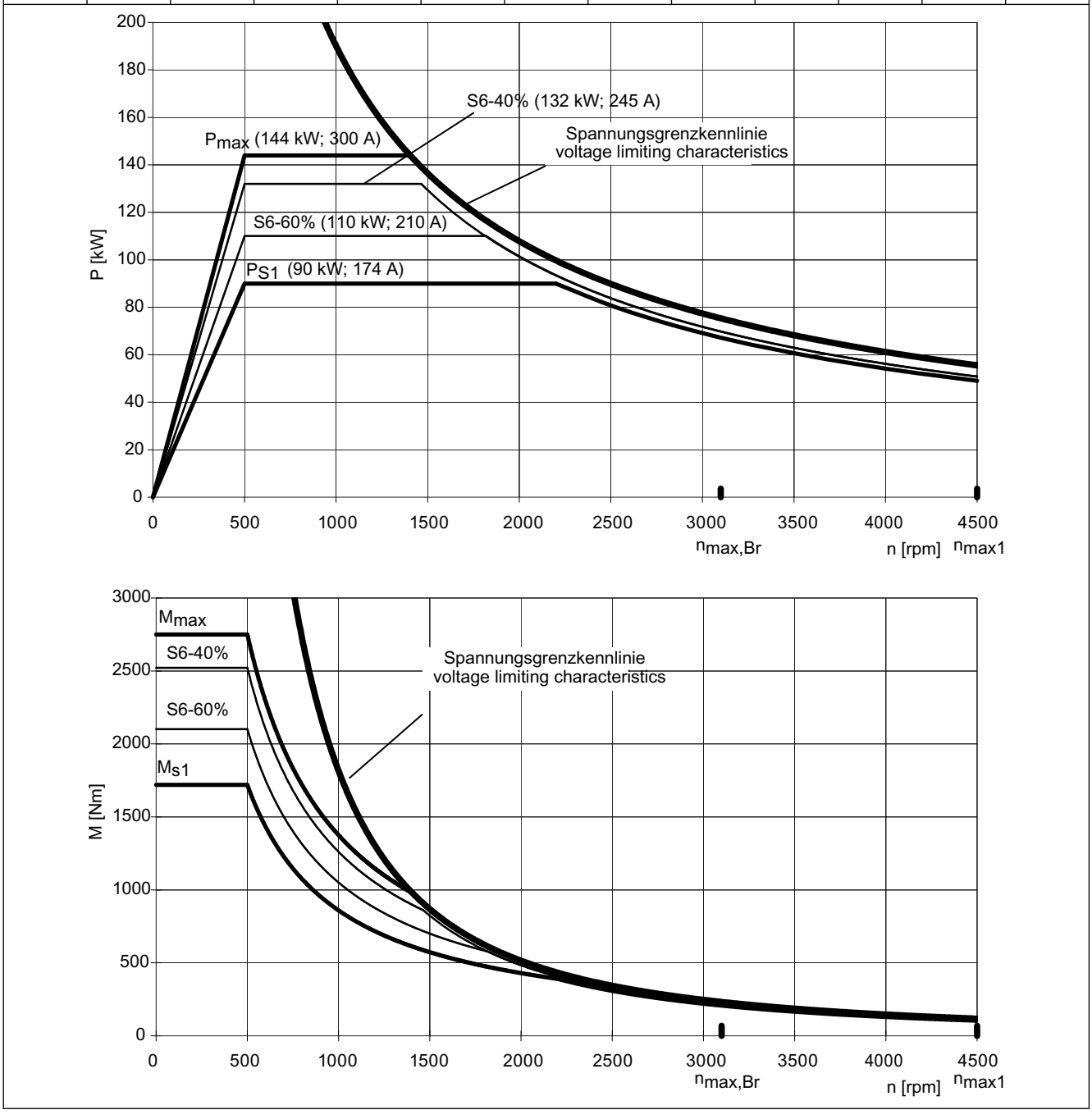
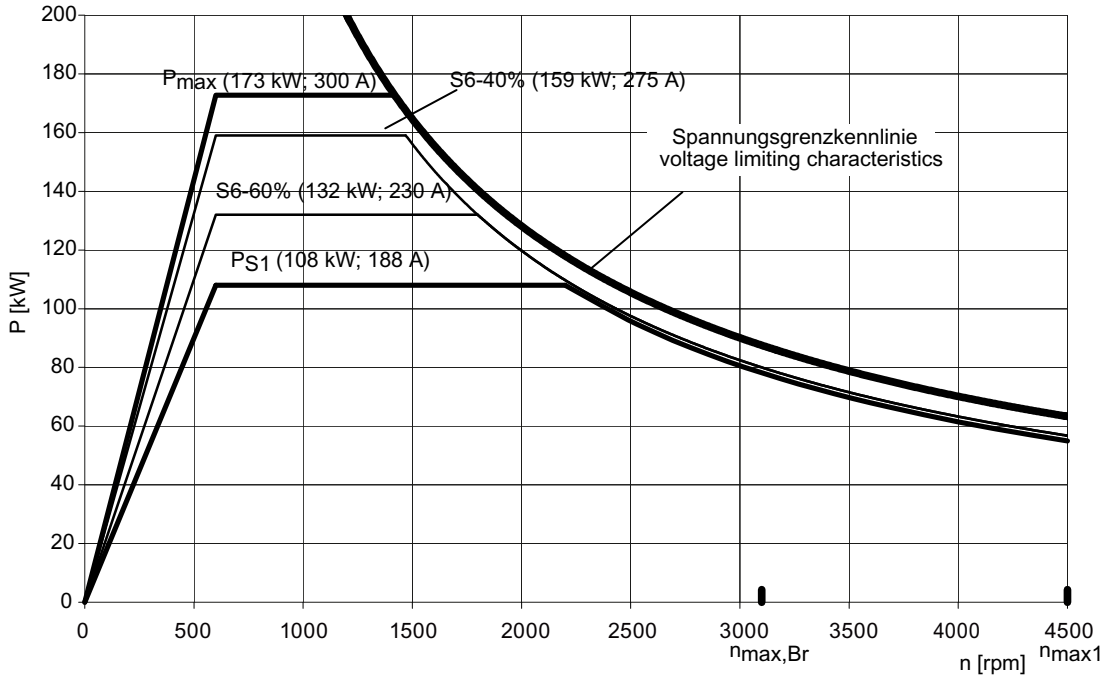


Table 2-197 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□B□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	108	1,719	188	4,500	-	-	3,100	2,200	2,750	300	1,719	188



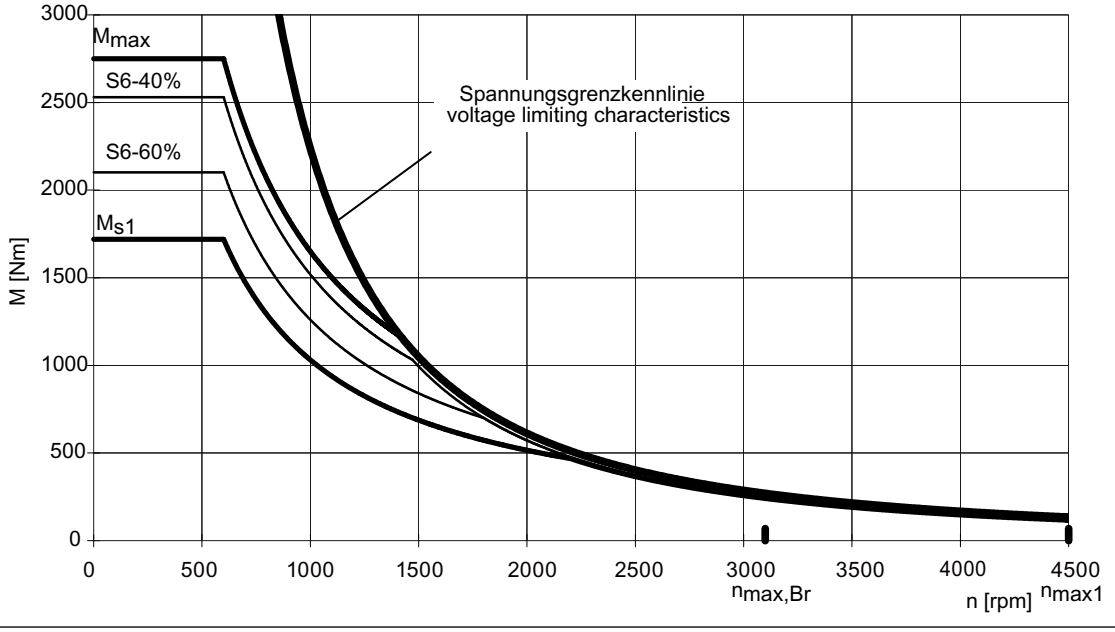


Table 2-198 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8228-□□B□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	108	1,473	156	4,500	-	-	3,100	2,500	2,750	300	1,719	156

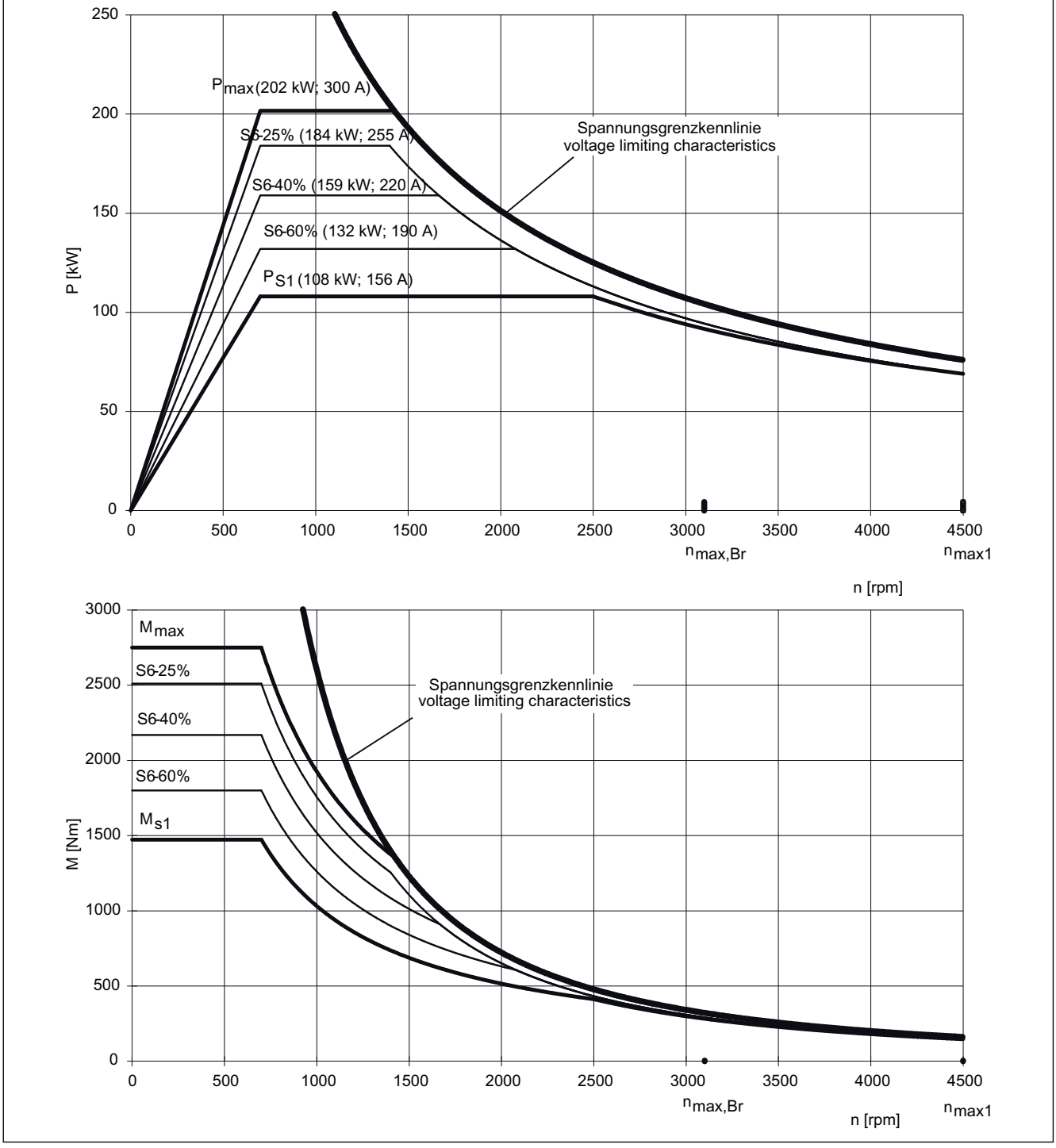
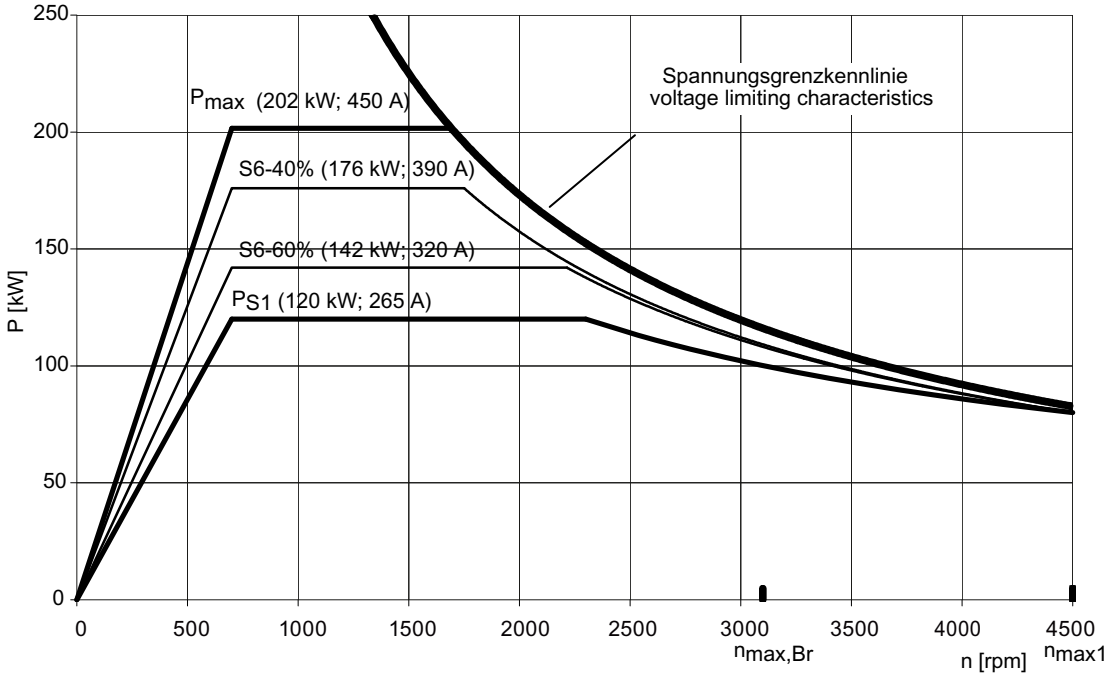


Table 2-199 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□C□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	120	1,637	265	4,500	-	-	3,100	2,300	2,750	450	1,637	265



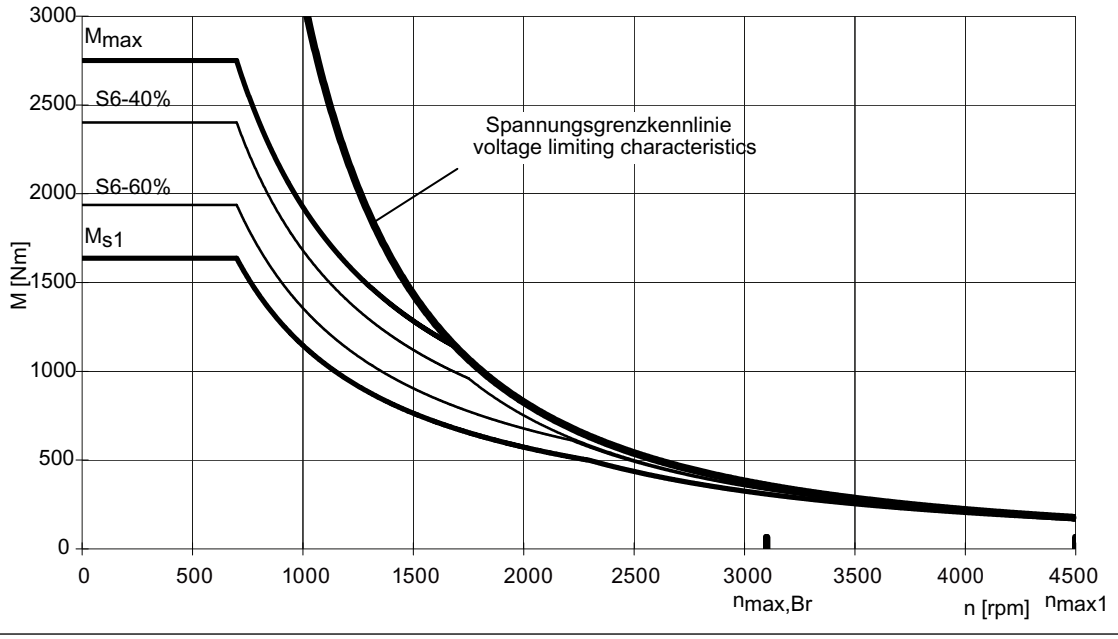
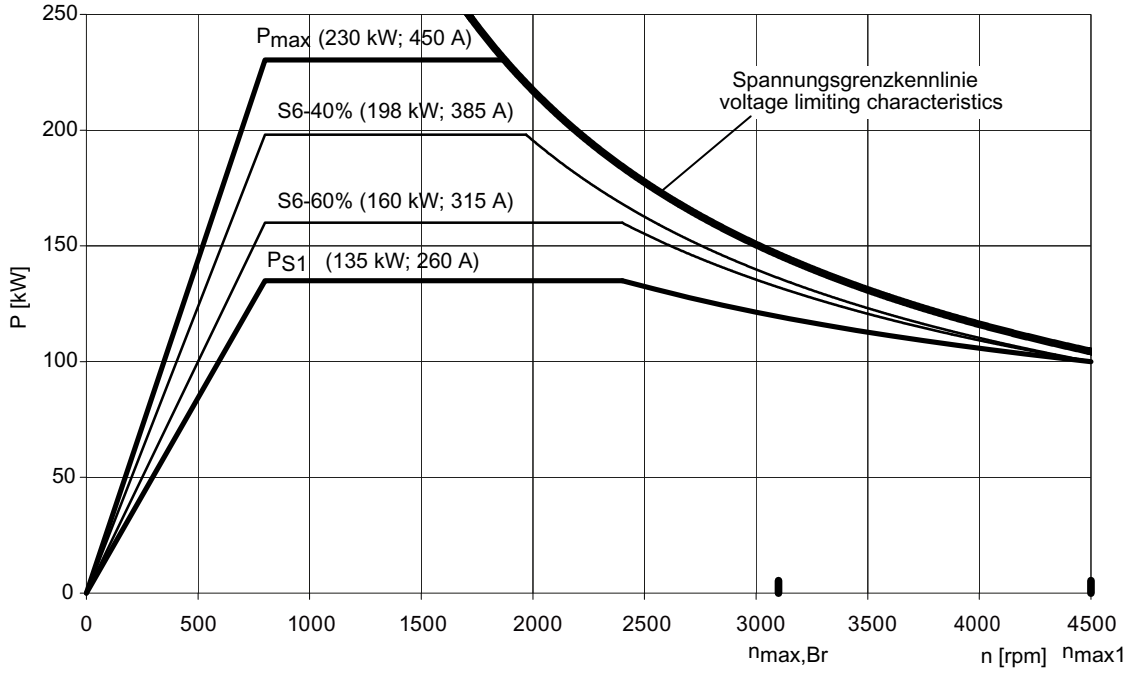


Table 2-200 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8228-□□C□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	135	1,612	260	4,500	-	-	3,100	2,400	2,750	450	1,612	260
700	120	1,637	265					3,100				



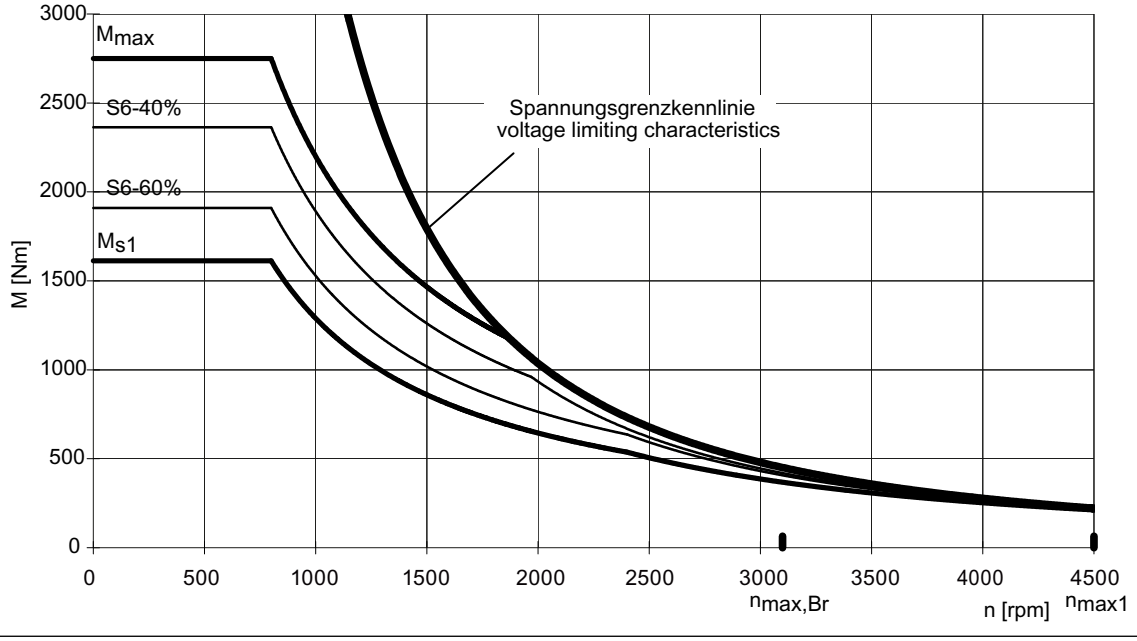


Table 2-201 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□C□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	165	1,576	250	4,500	-	-	3,100	2,400	2,750	450	1,576	250

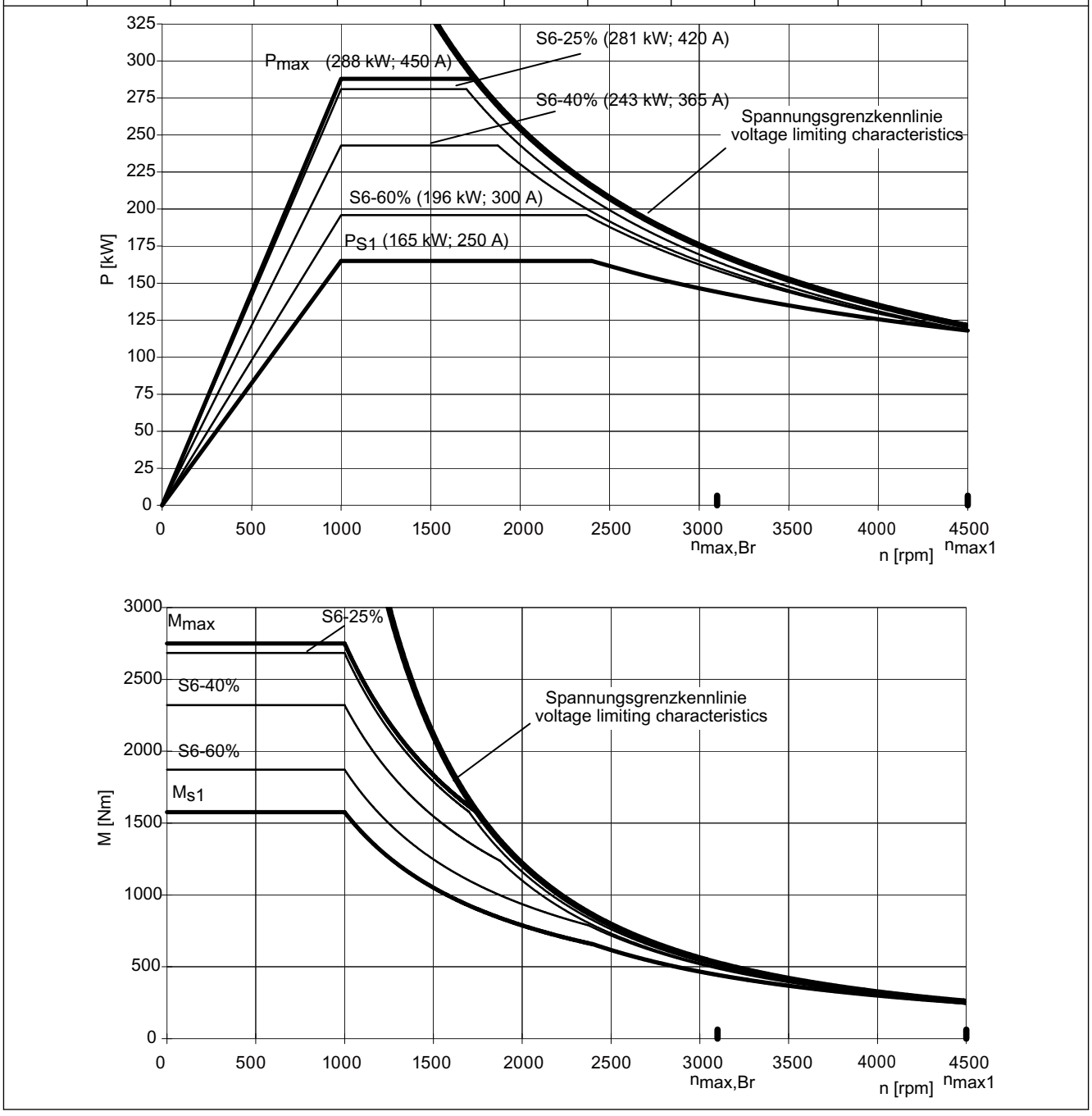
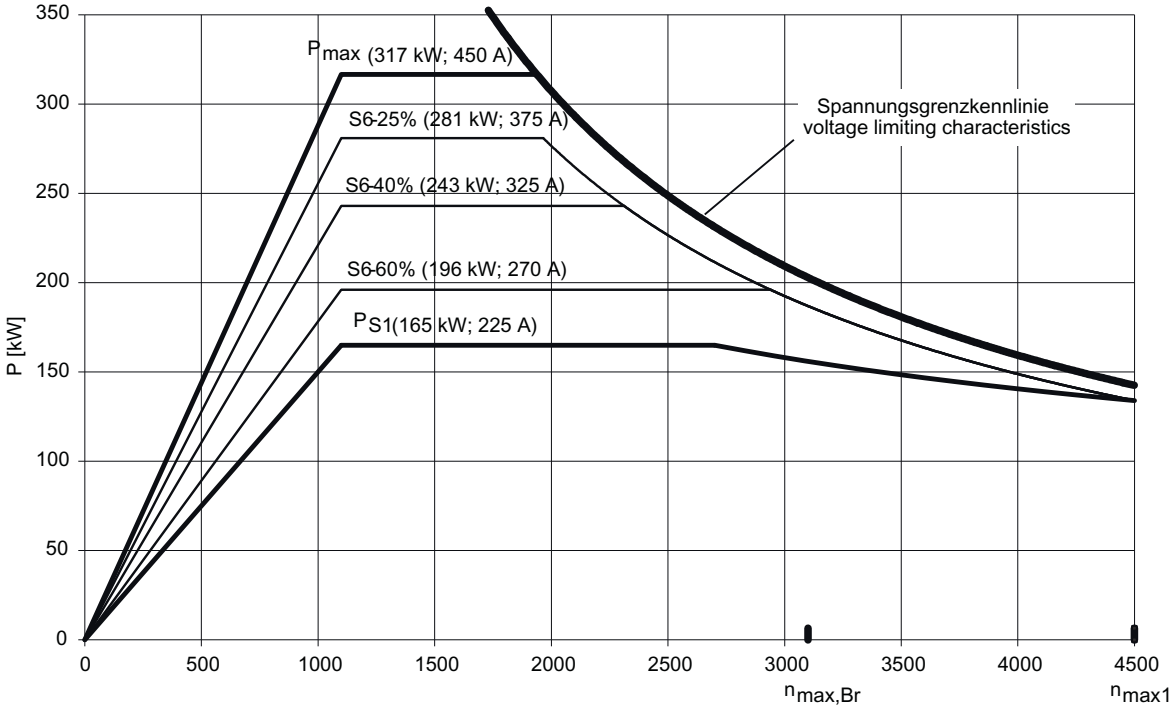


Table 2-202 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8228-□□C□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,100	165	1,433	225	4,500	-	-	3,100	2,700	2,750	450	1,637	225



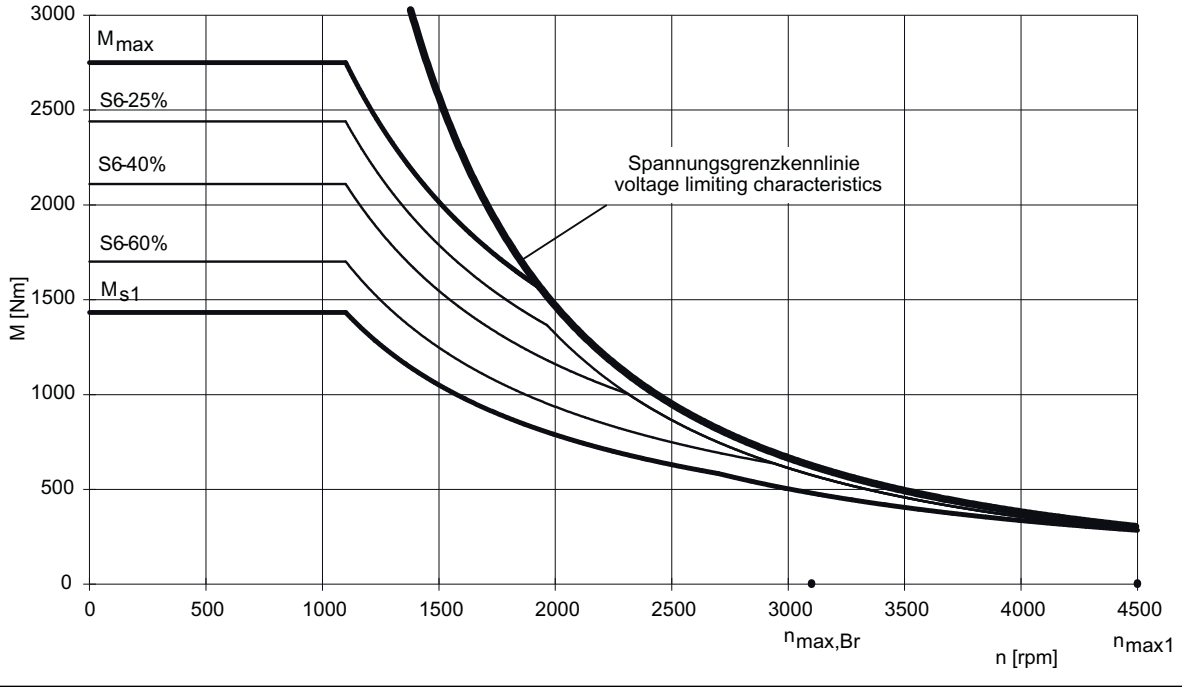
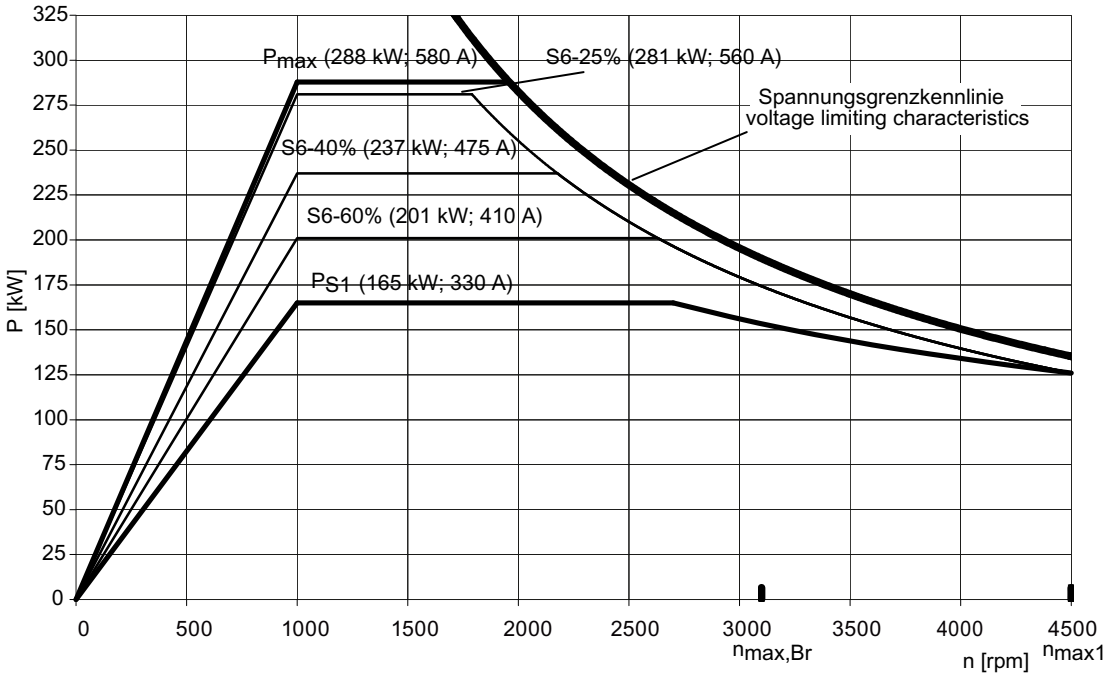


Table 2-203 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□D□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	165	1,576	330	4,500	-	-	3,100	2,700	2,750	580	1,576	330



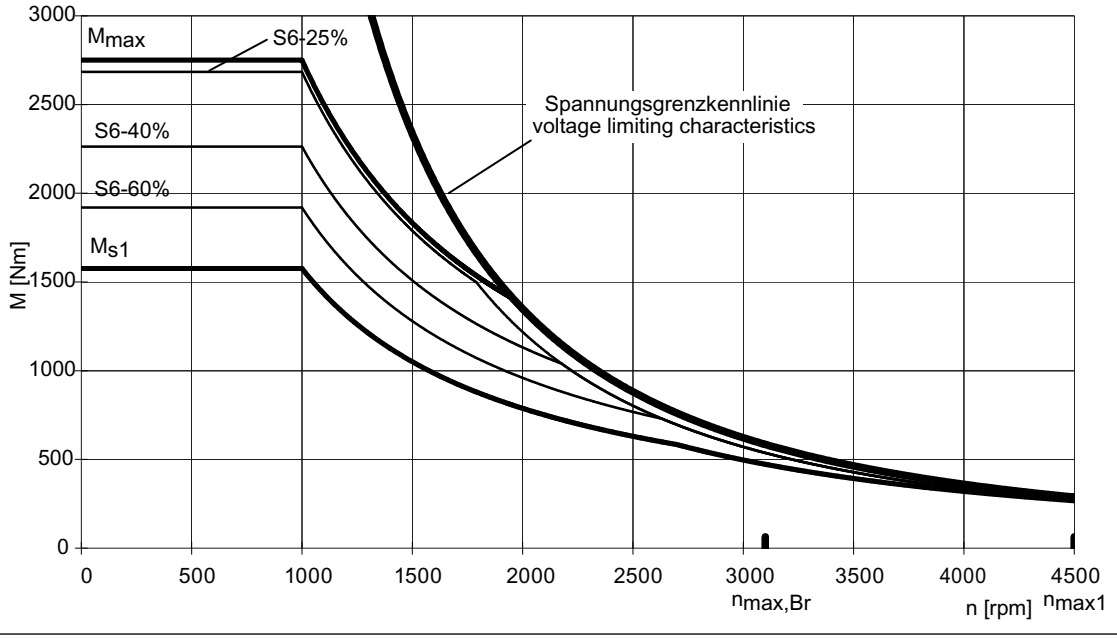


Table 2-204 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8228-□□D□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	190	1,578	330	4,500	-	-	3,100	2,800	2,750	580	1,578	330
1,000	165	1,576	330					3,600				

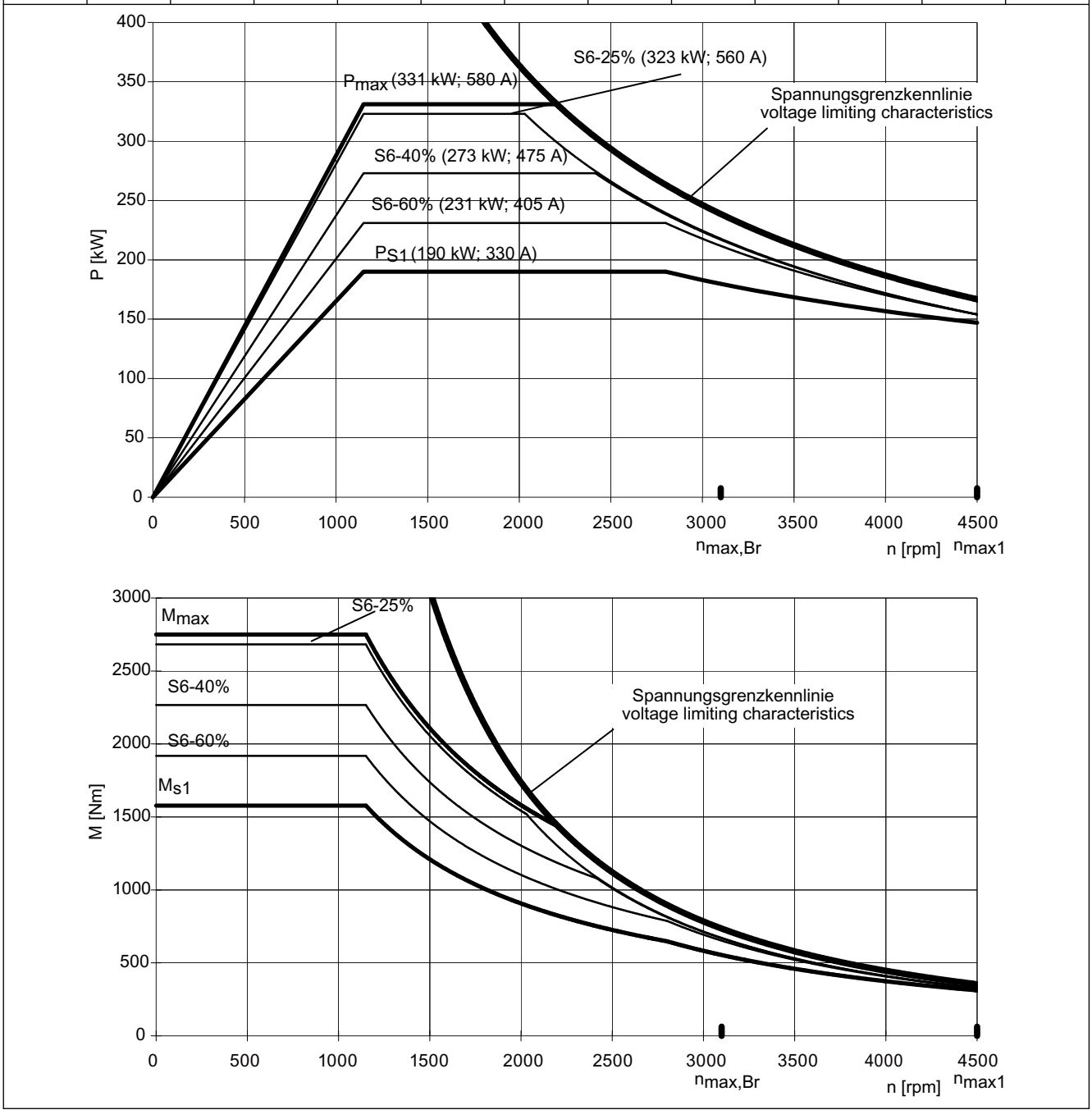


Table 2-205 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□D□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	218	1,542	320	4,500	-	-	3,100	2,800	2,750	580	1,542	320

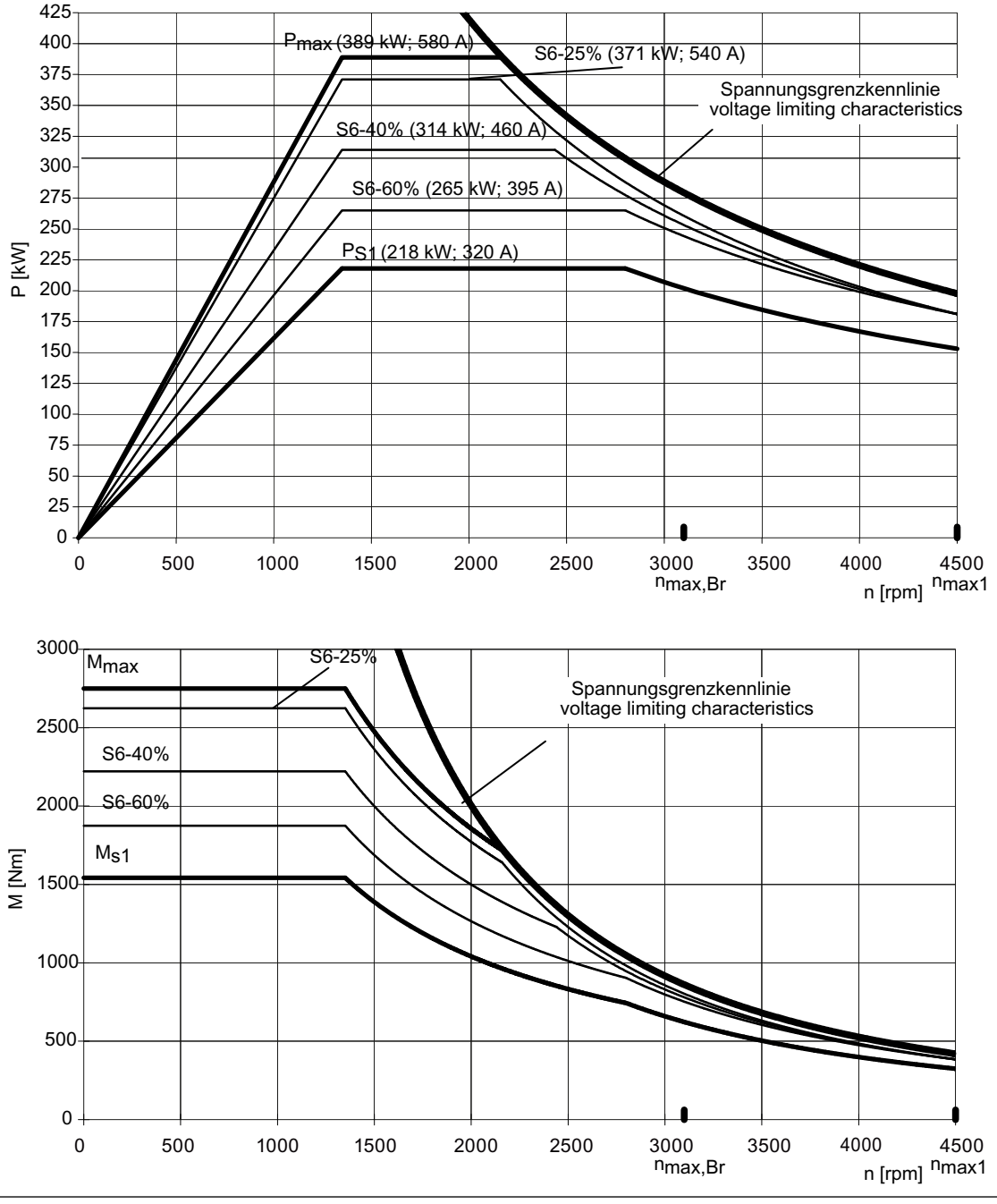


Table 2-206 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8228-□□D□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	218	1,388	295	4,500	-	-	3,100	3,000	2,750	580	1,576	295

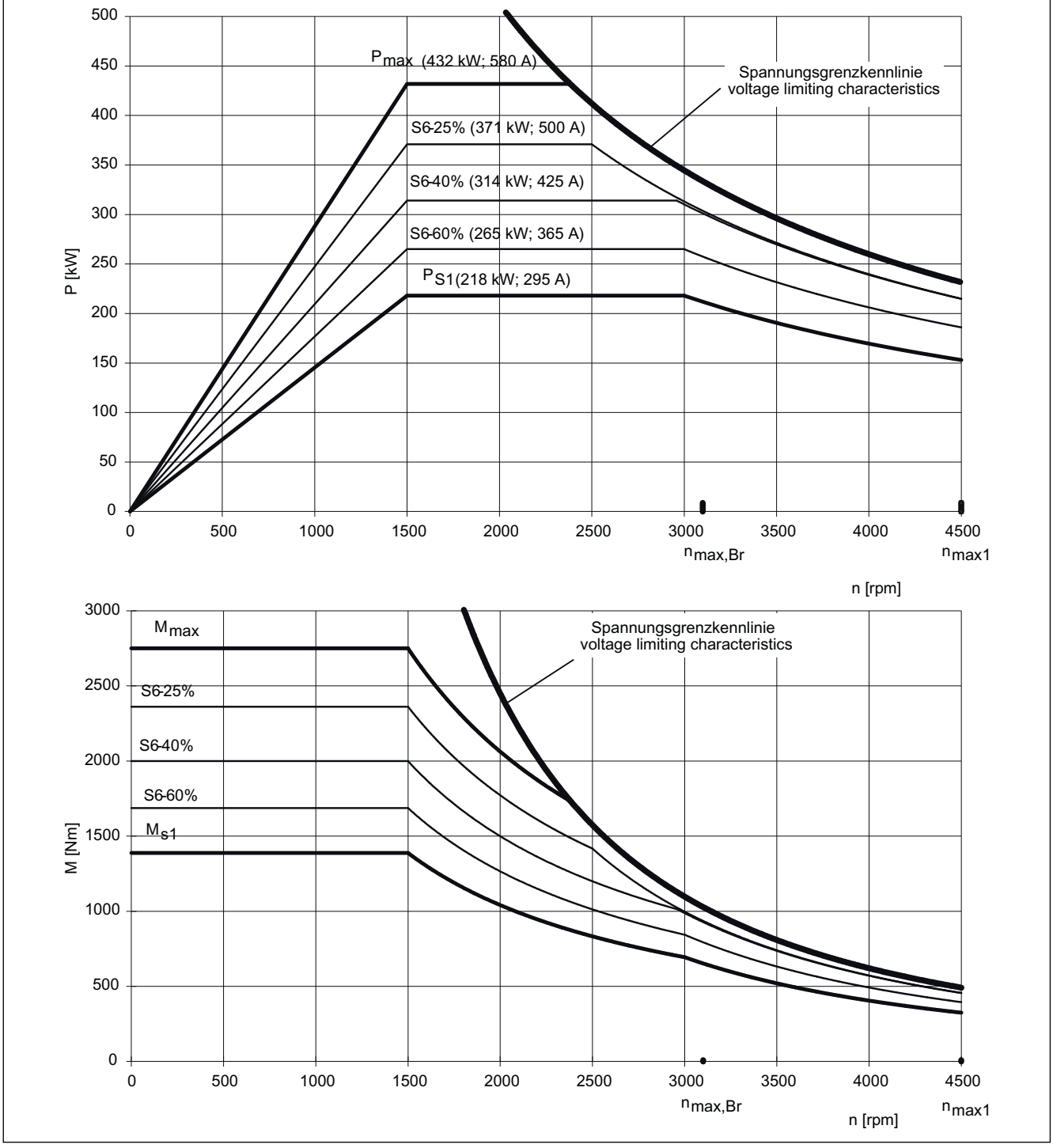
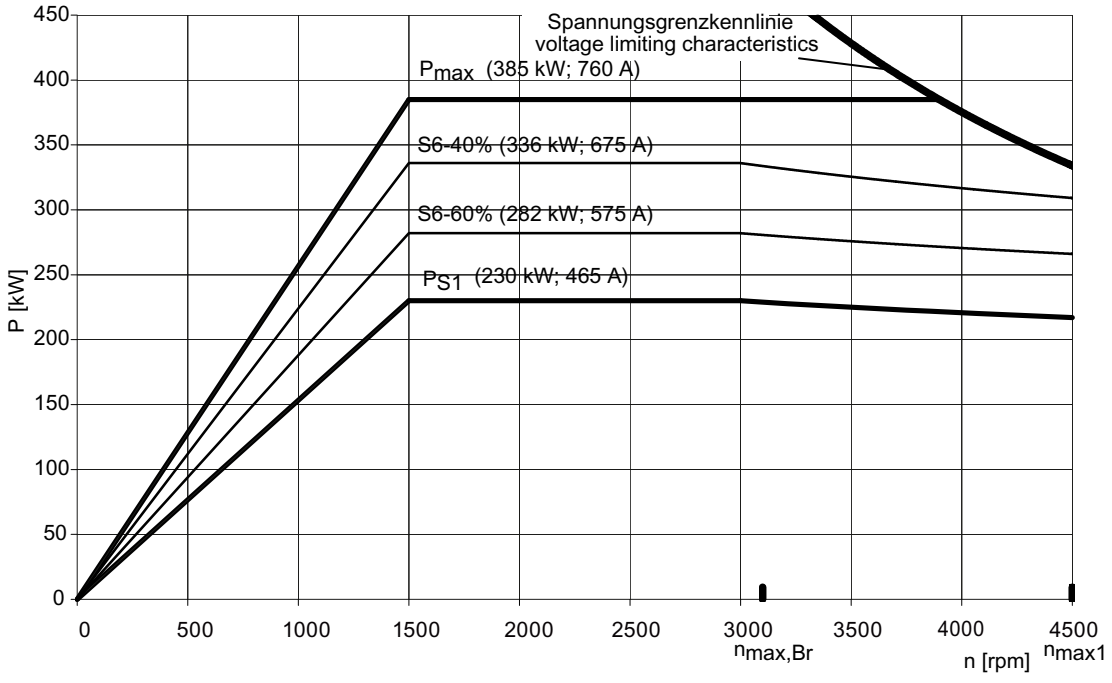


Table 2-207 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□F□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	230	1,464	465	4,500	-	-	3,100	3,000	2,450	760	1,464	465



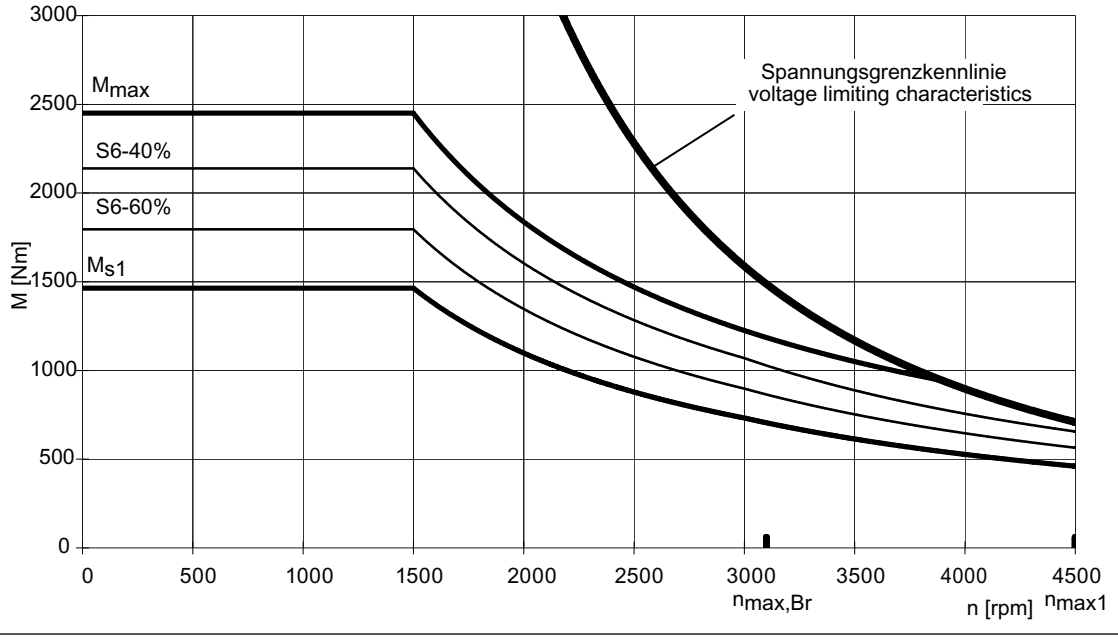


Table 2-208 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8228-□□F□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	265	1,446	460	4,500	-	-	3,100	2,900	2,450	760	1,446	460
1,500	230	1,464	465					4,000				

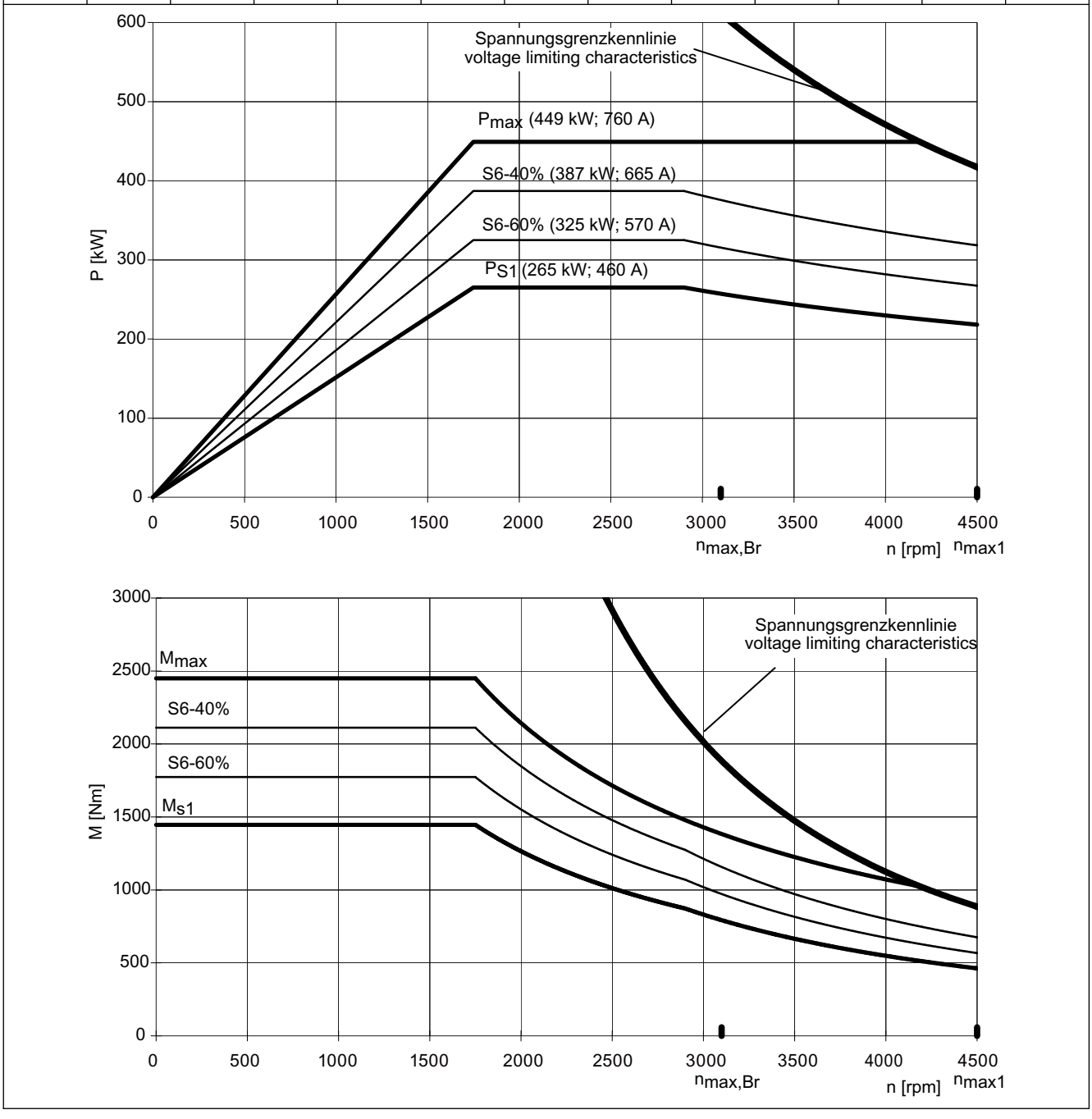
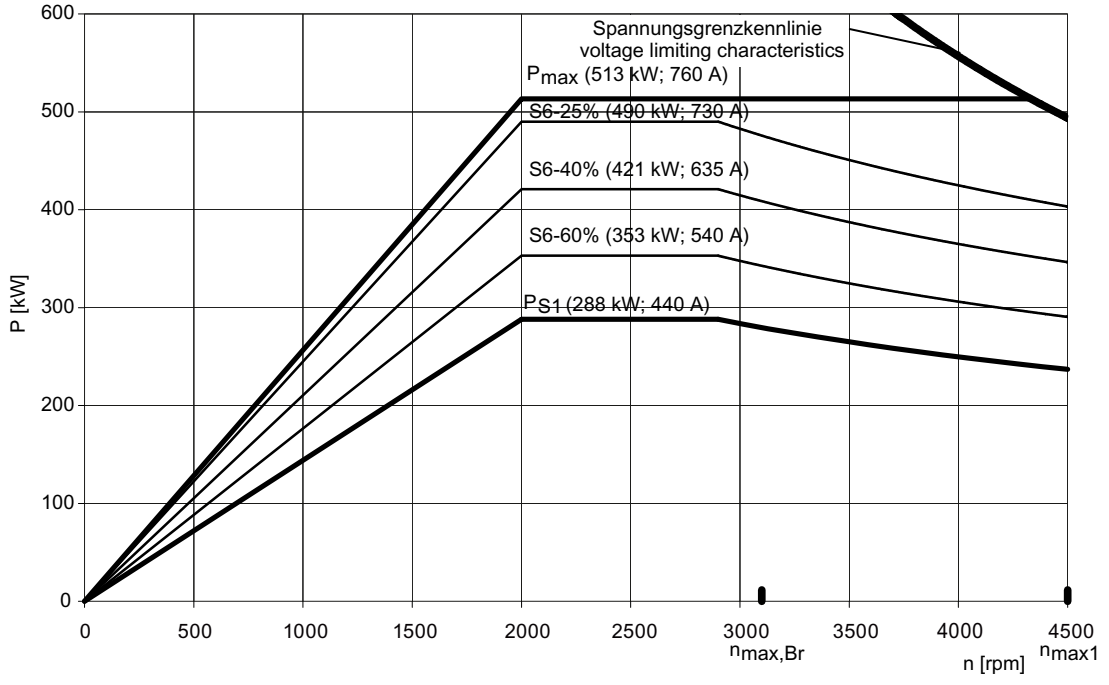


Table 2-209 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□F□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	288	1,375	440	4,500	-	-	3,100	2,900	2,450	760	1,375	440



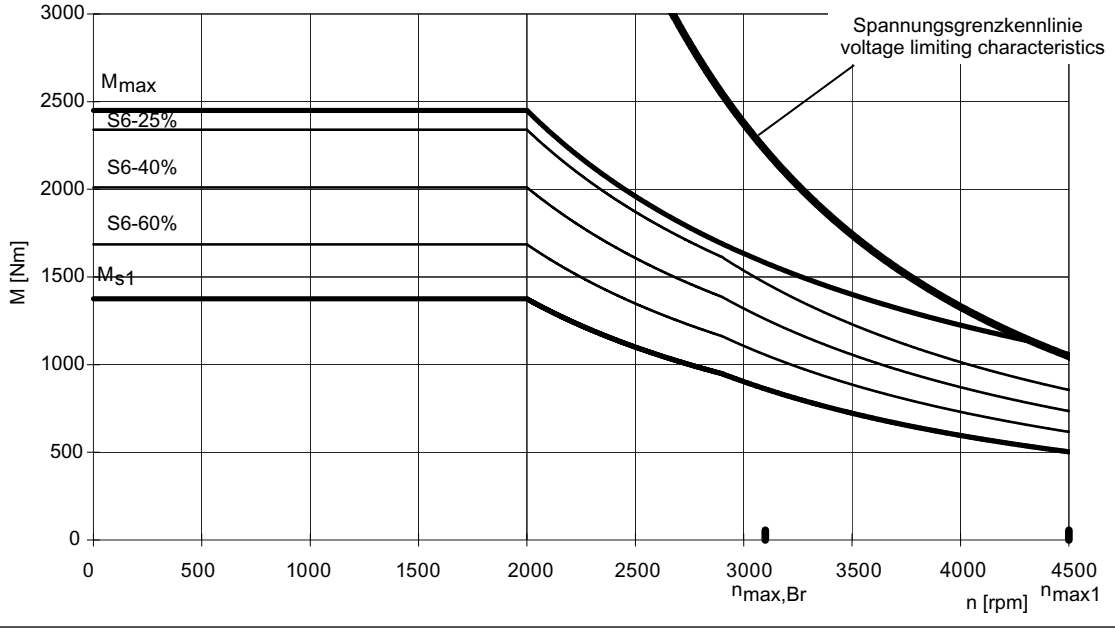


Table 2-210 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8228-□□F□□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,200	288	1,250	405	4,500	-	-	3,100	2,900	2,450	760	1,464	405

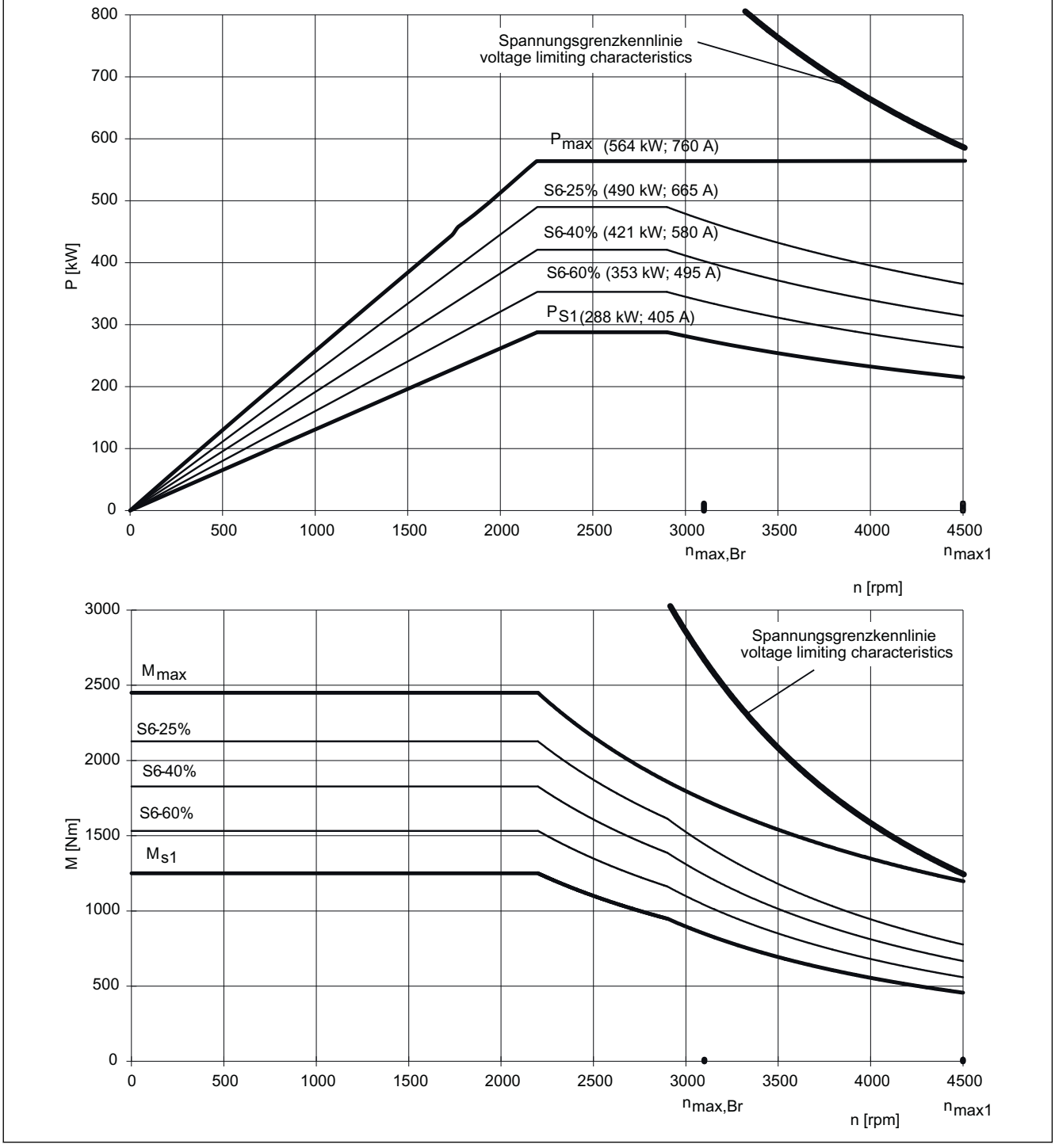


Table 2-211 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□L□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,500	265	1,012	530	4,500	-	-	3,100	3,500	1,750	880	1,012	530

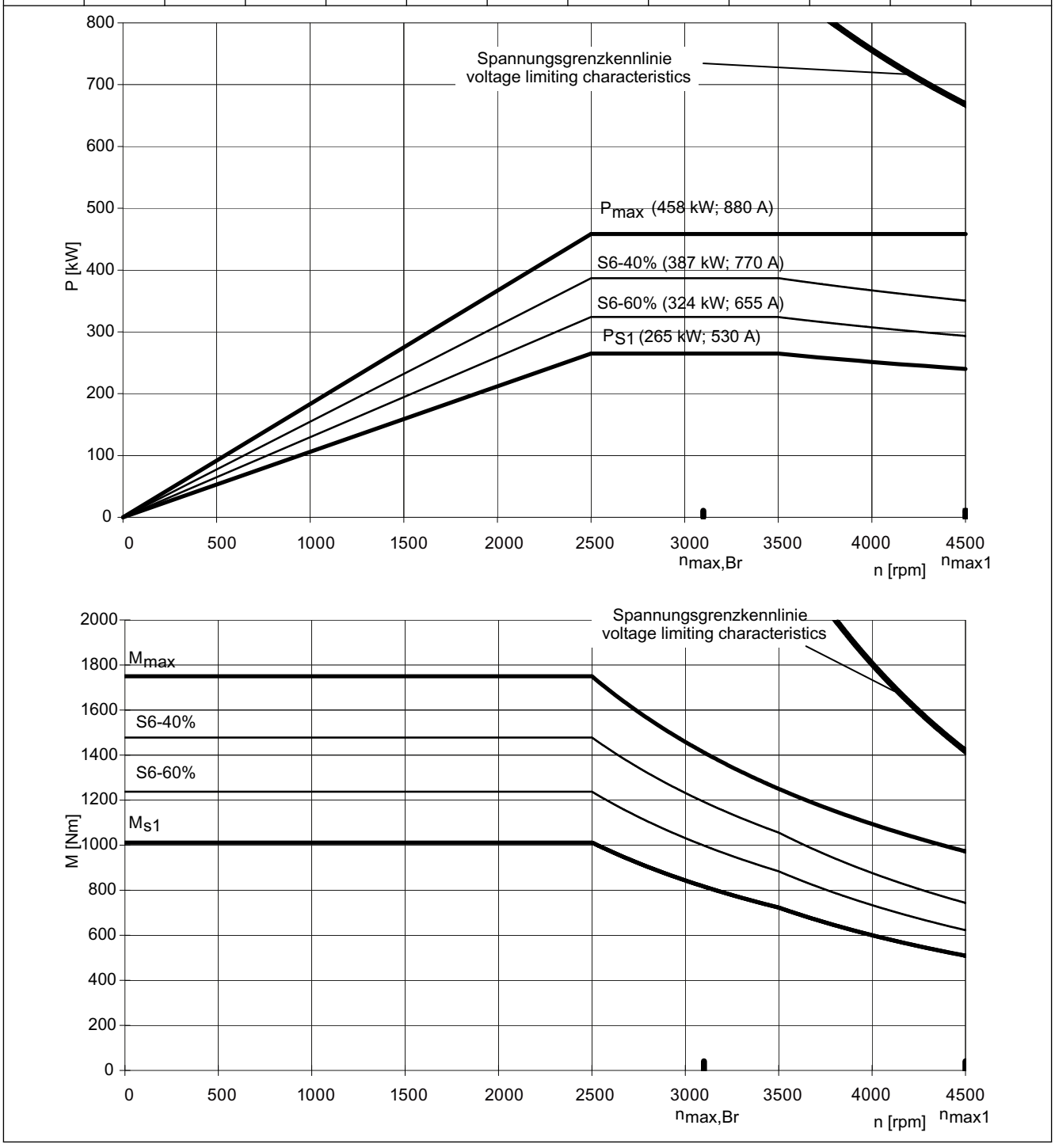
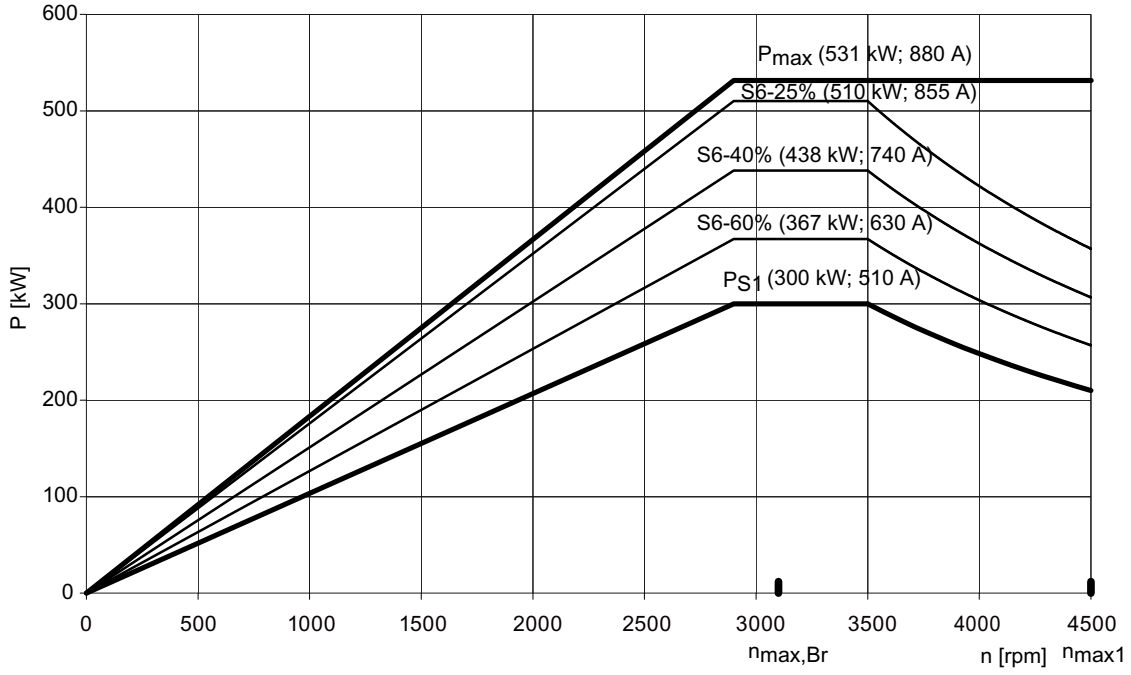


Table 2-212 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8228-□□L□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,900	300	988	510	4,500	-	-	3,100	3,500	1,750	880	988	510
2,500	265	1,012	530					3,800				



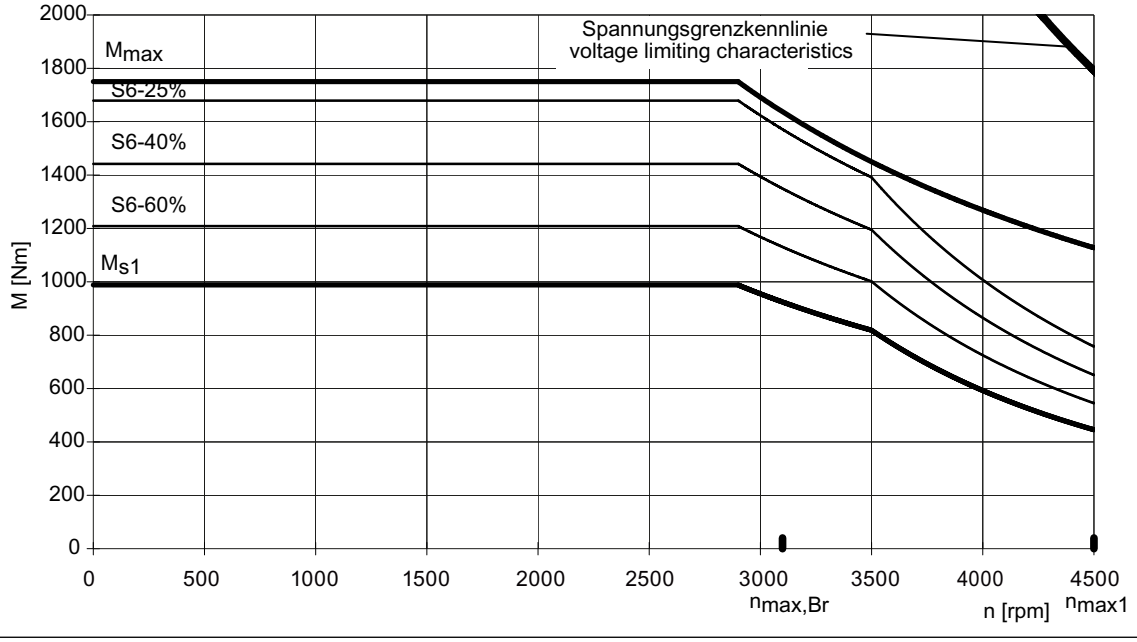
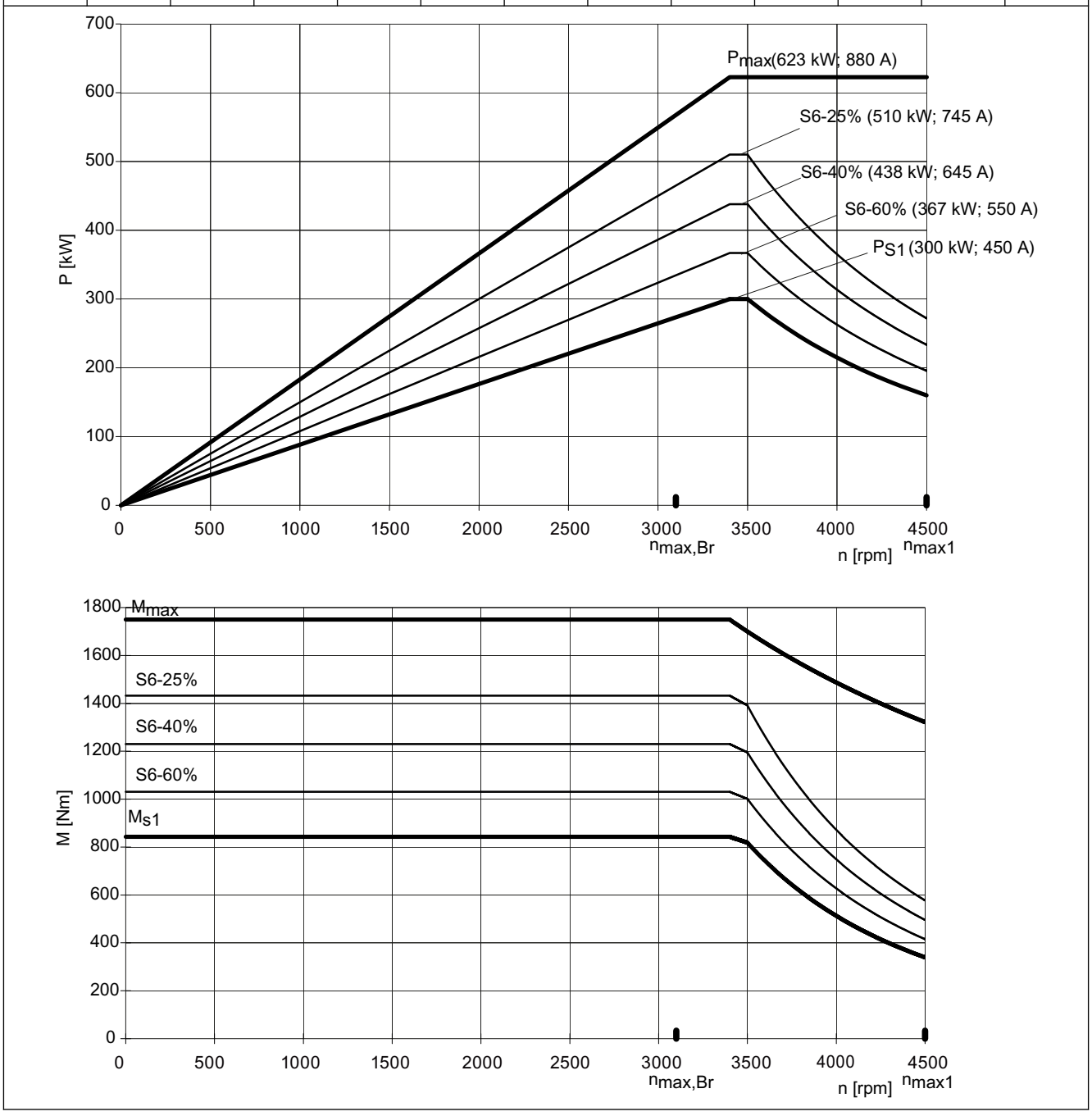


Table 2-213 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8228-□□L□□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
3,400	300	843	450	4,500	-	-	3,100	3,500	1,750	880	843	450



2.2.10 Shaft height 280 - forced ventilation

Table 2-214 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□B1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	63	1,504	154	3,300	-	-	2,300	1,100	4,250	435	1,504	154

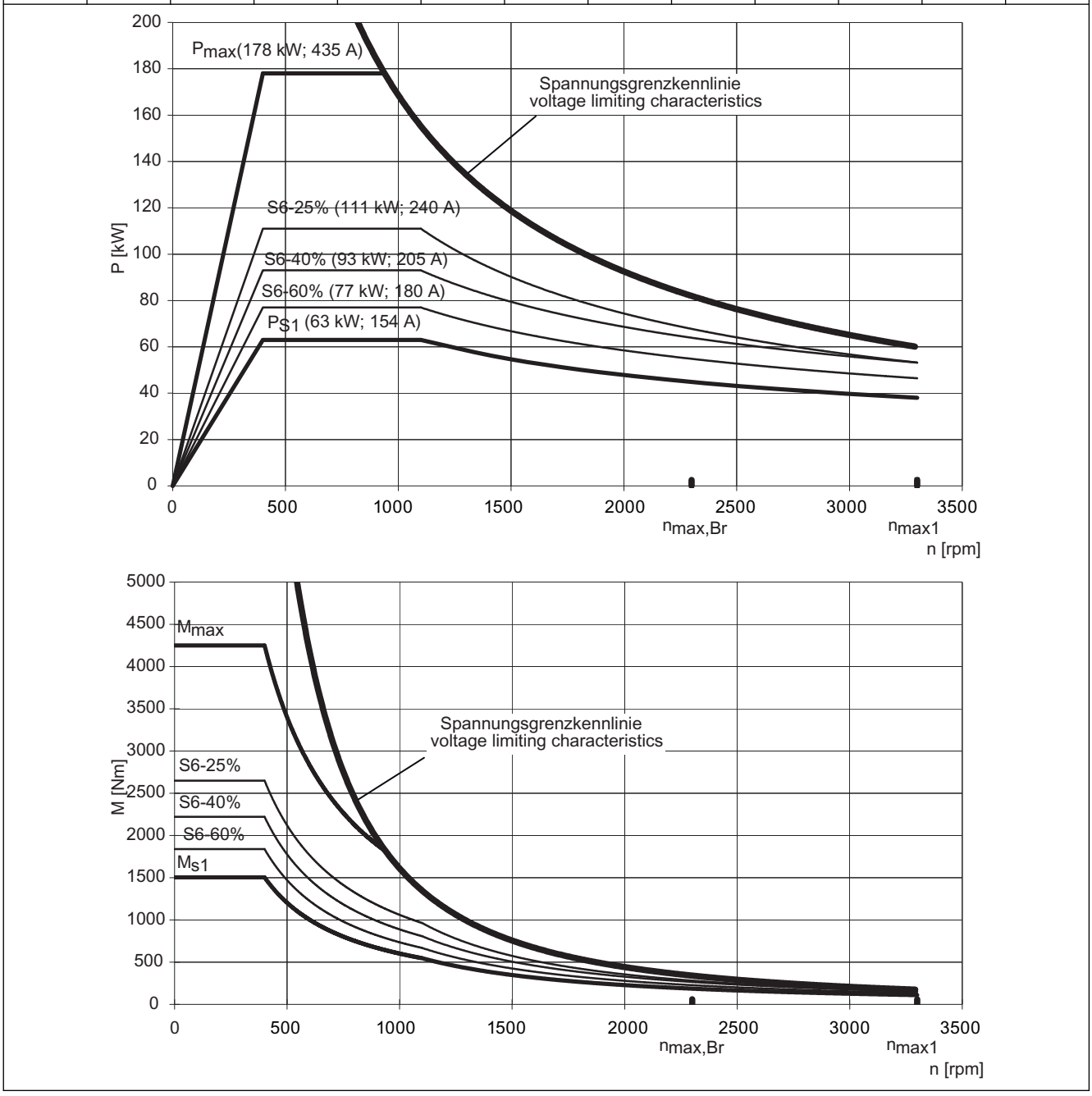
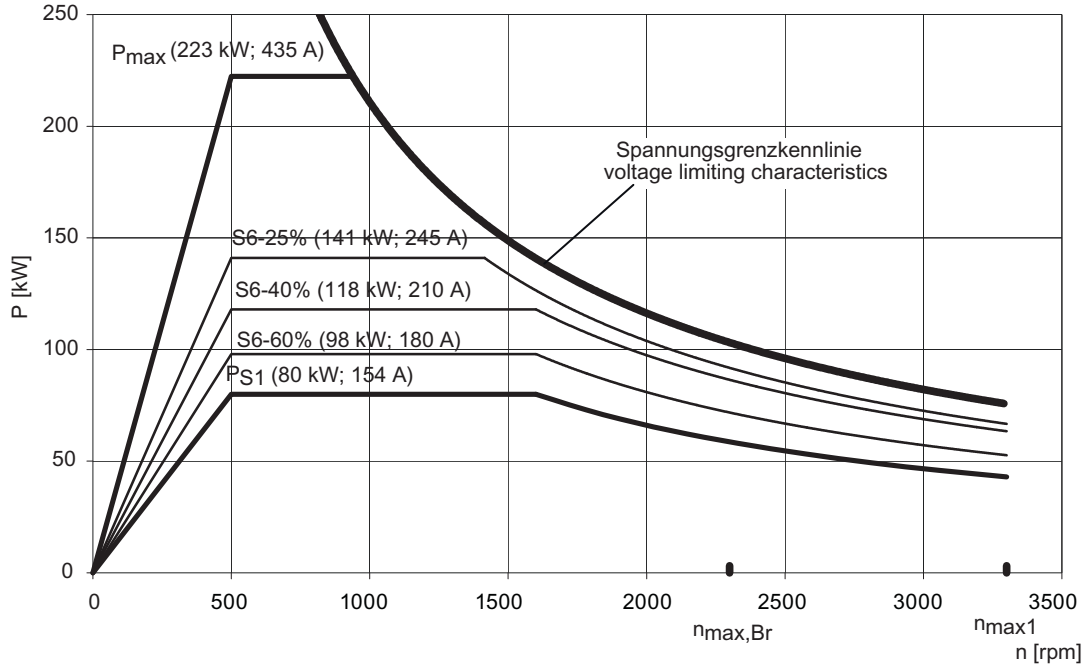


Table 2-215 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8284-□□B1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	80	1,529	154	3,300	-	-	2,300	1,600	4,250	435	1,529	154
400	63	1,504	154					2,100				



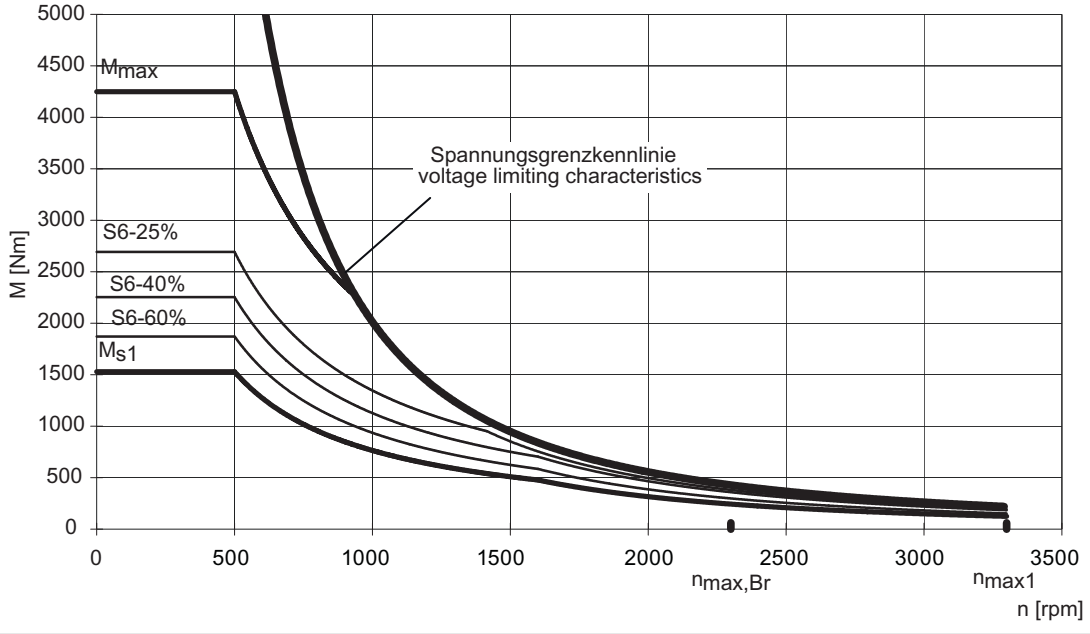
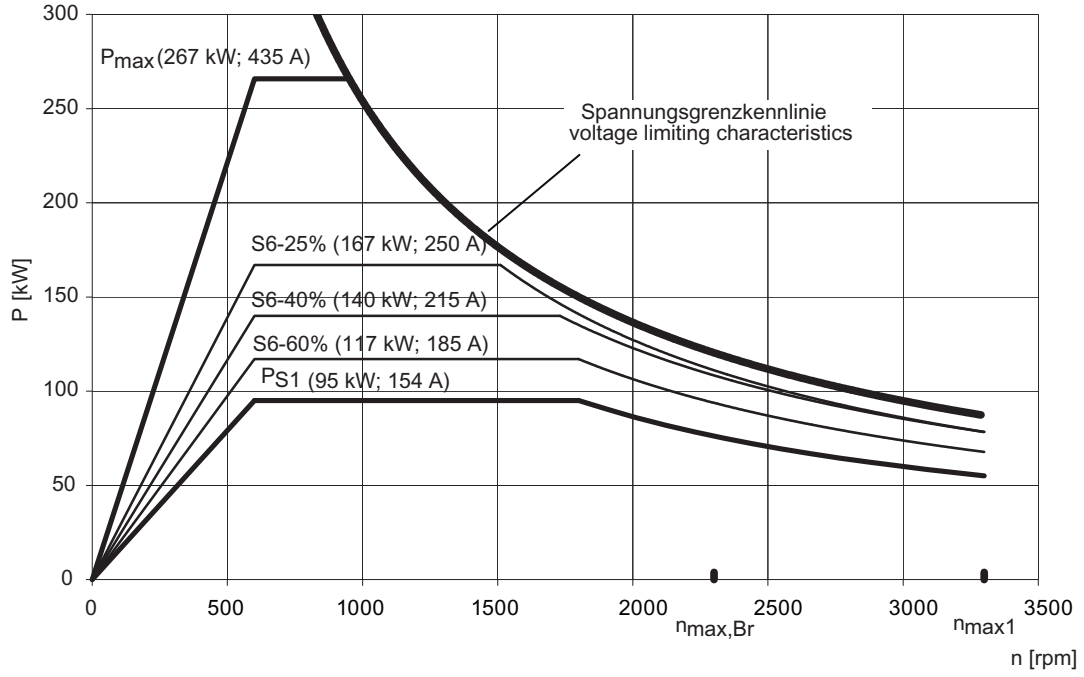


Table 2-216 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□B1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	95	1,519	154	3,300	-	-	2,300	1,800	4,250	435	1,519	154



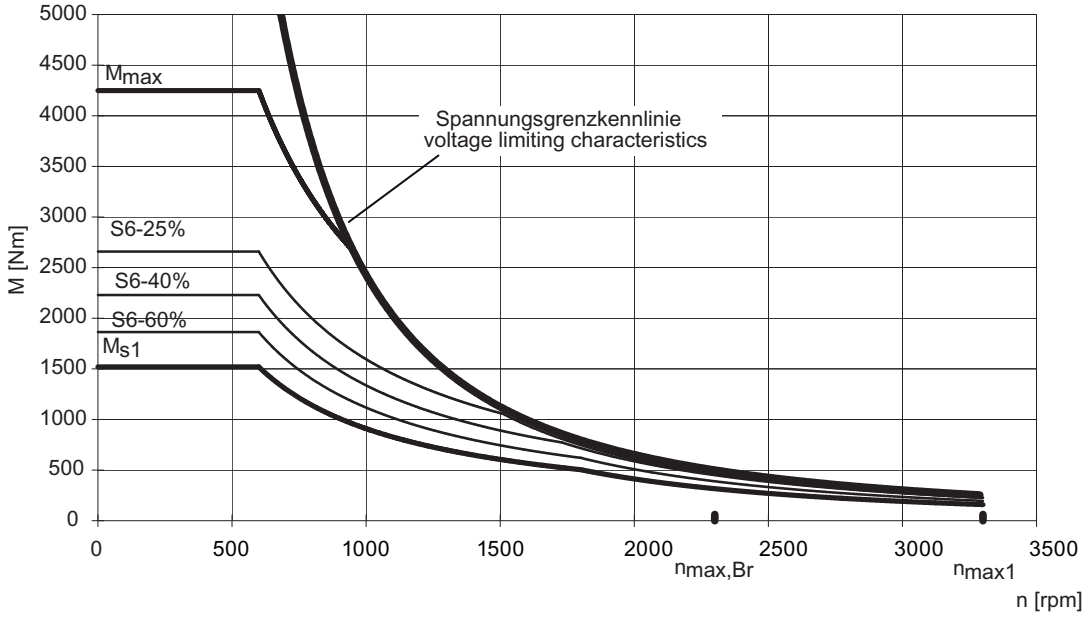


Table 2-217 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8284-□□B1□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	105	1,433	150	3,300	-	-	2,300	1,400	4,250	435	1,504	150

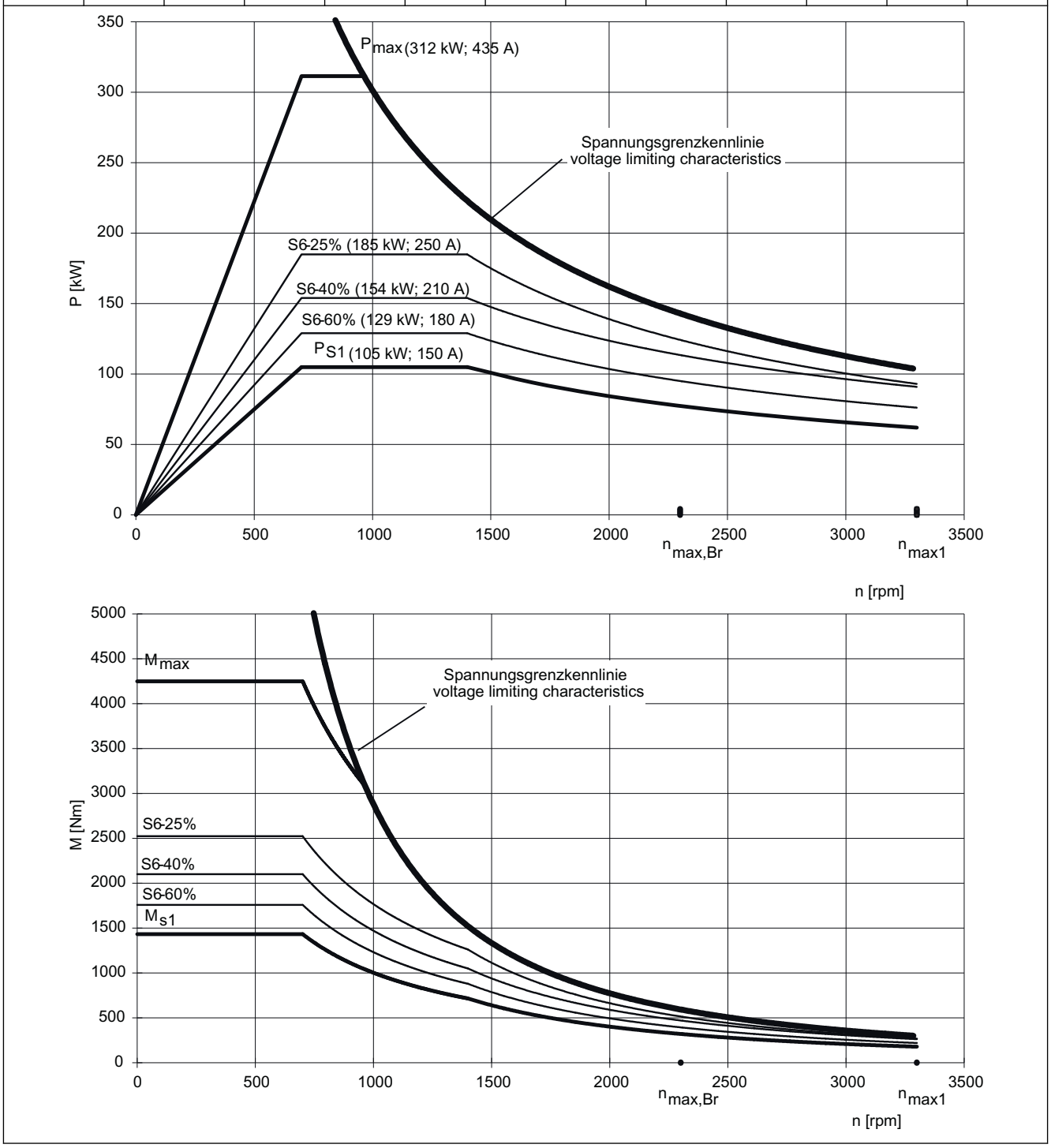


Table 2-218 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□C1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	110	1,501	240	3,300	-	-	2,300	2,100	4,250	660	1,501	240

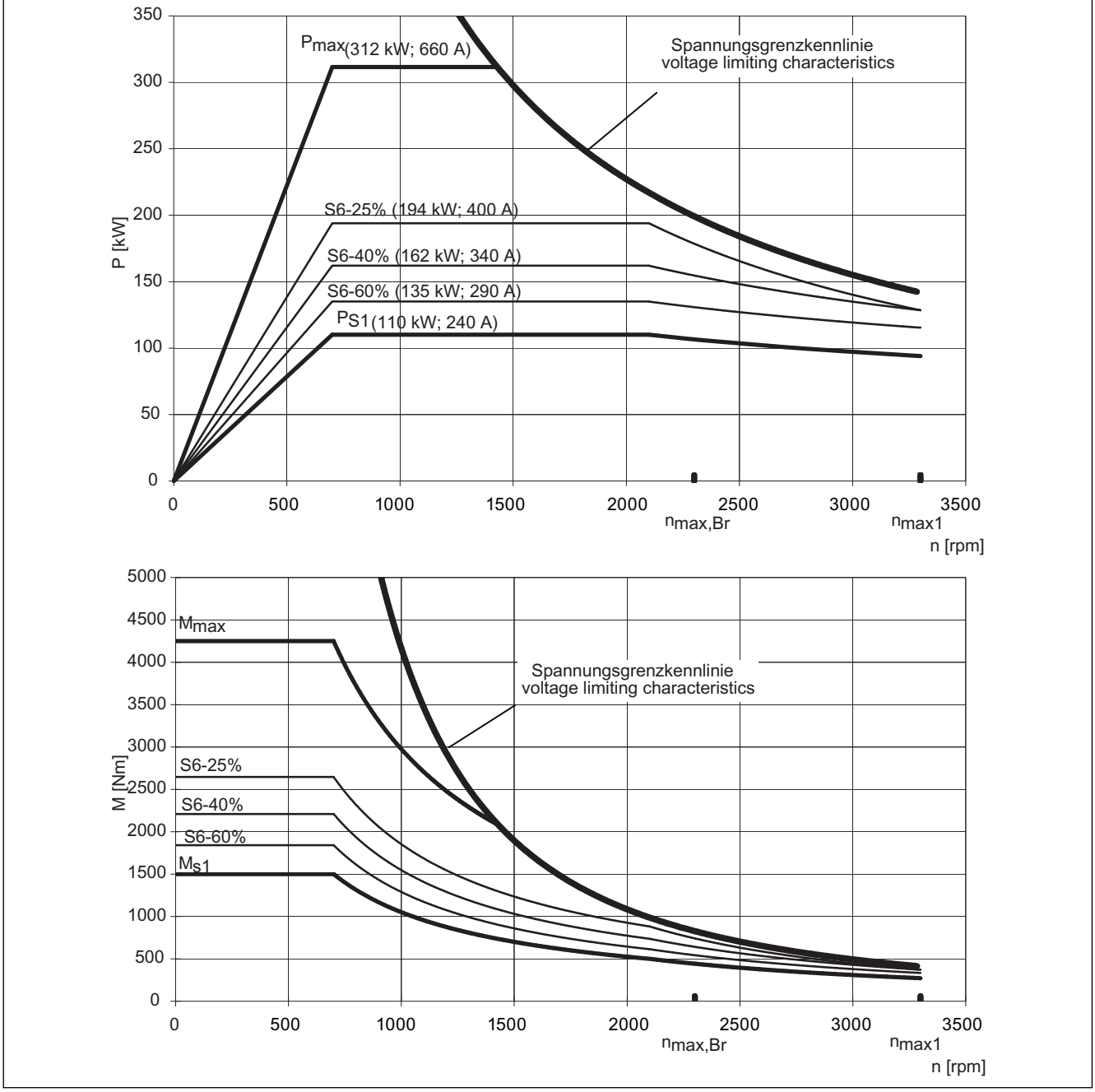
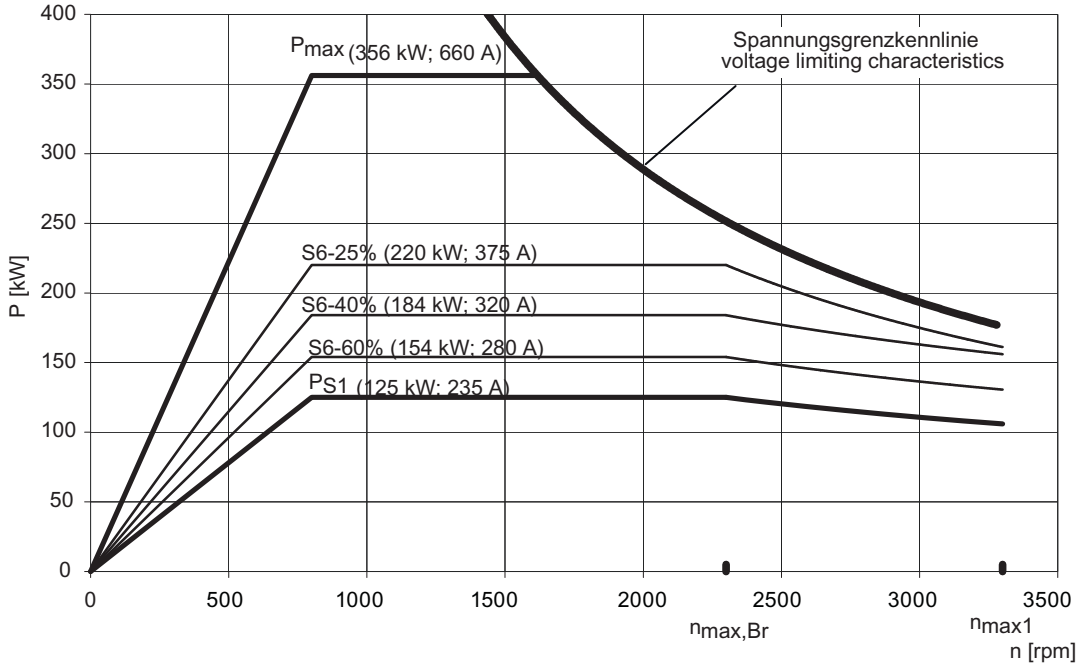


Table 2-219 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8284-□□C1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	125	1,492	235	3,300	-	-	2,300	2,300	4,250	660	1,492	235
700	110	1,501	240					3,000				



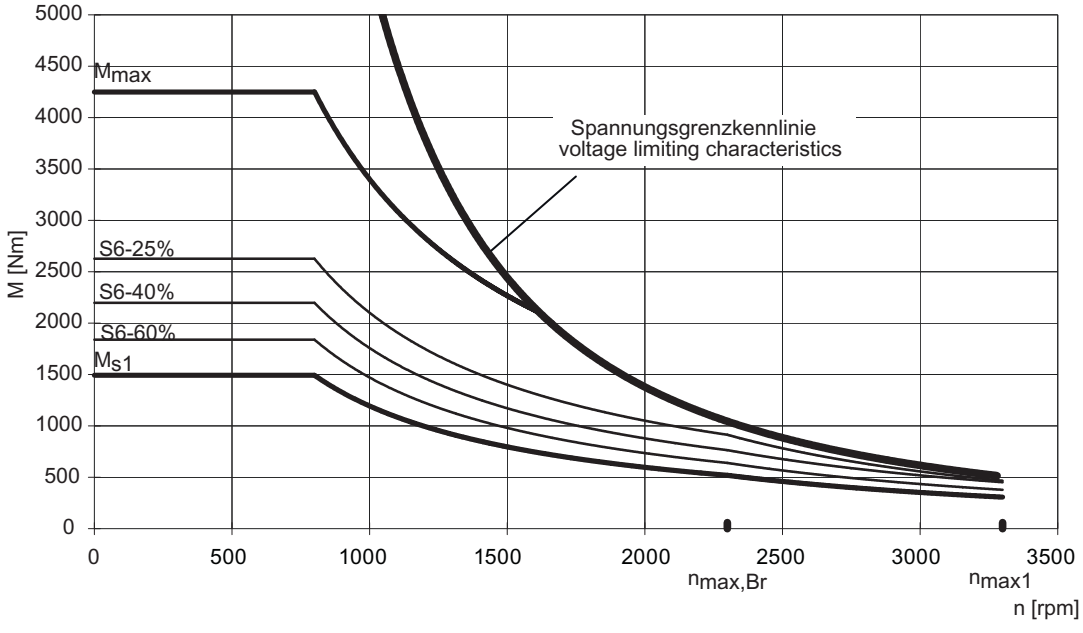
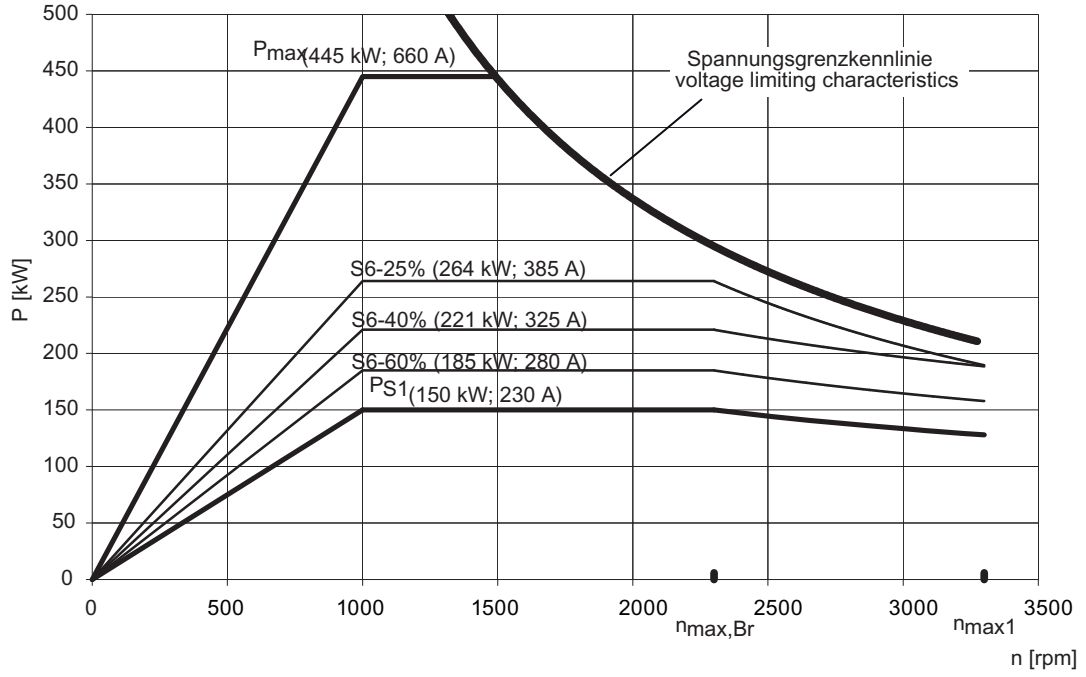


Table 2-220 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□C1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	150	1,433	230	3,300	-	-	2,300	2,300	4,250	660	1,433	230



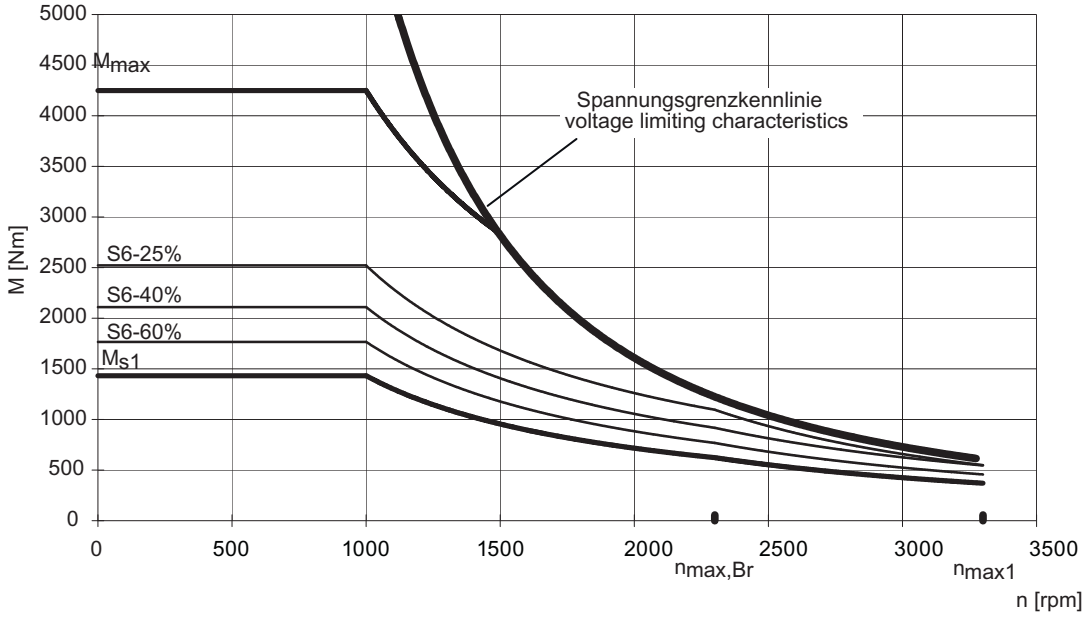


Table 2-221 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8284-□□C1□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,100	155	1,346	220	3,300	-	-	2,300	2,400	4,250	660	1,501	220

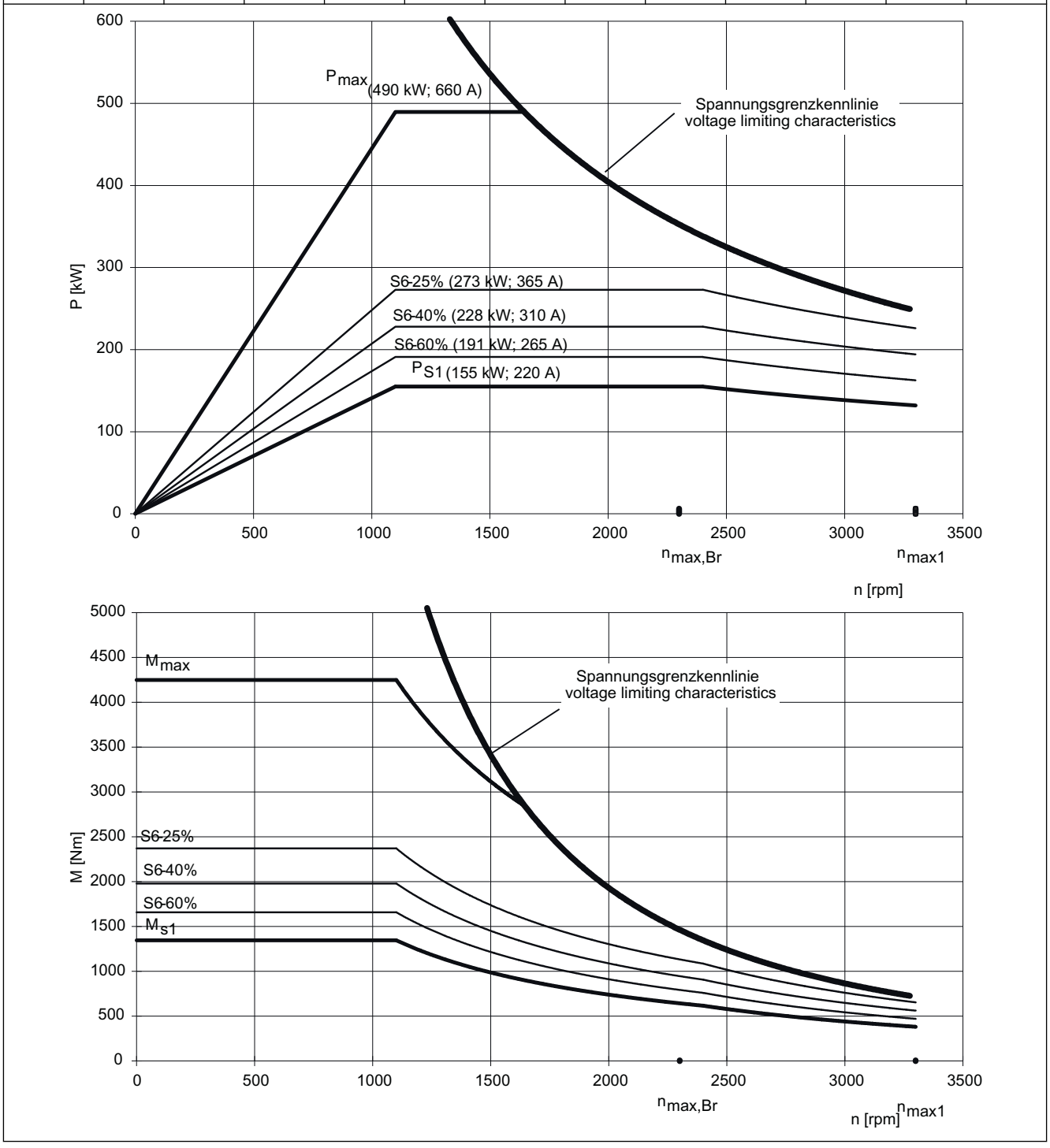
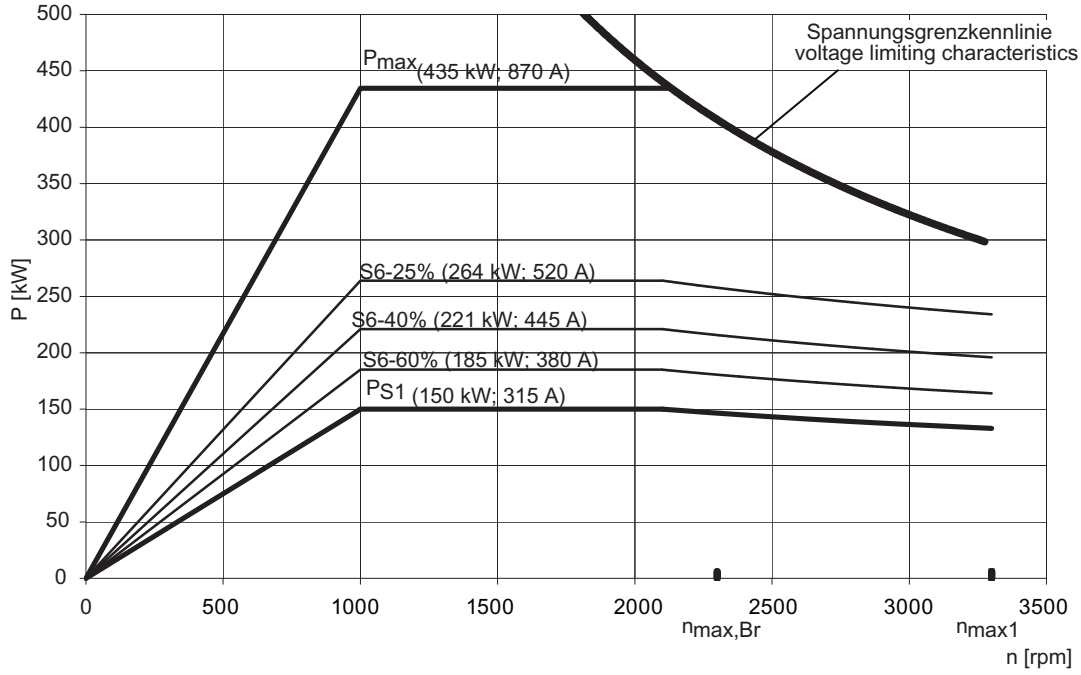


Table 2-222 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□D1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	150	1,433	315	3,300	-	-	2,300	2,100	4,150	870	1,433	315



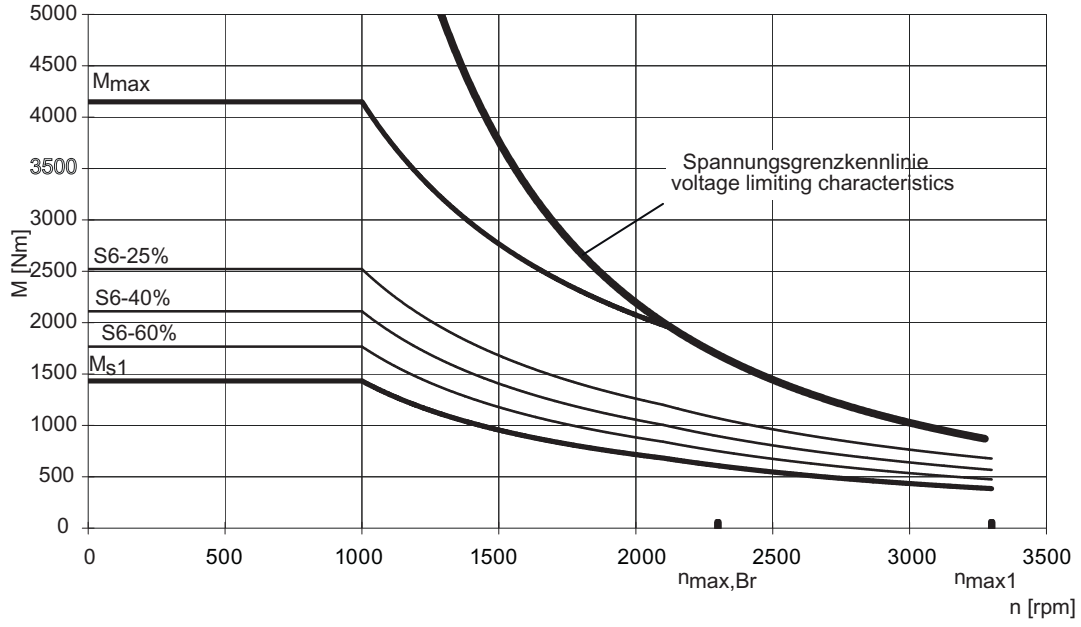
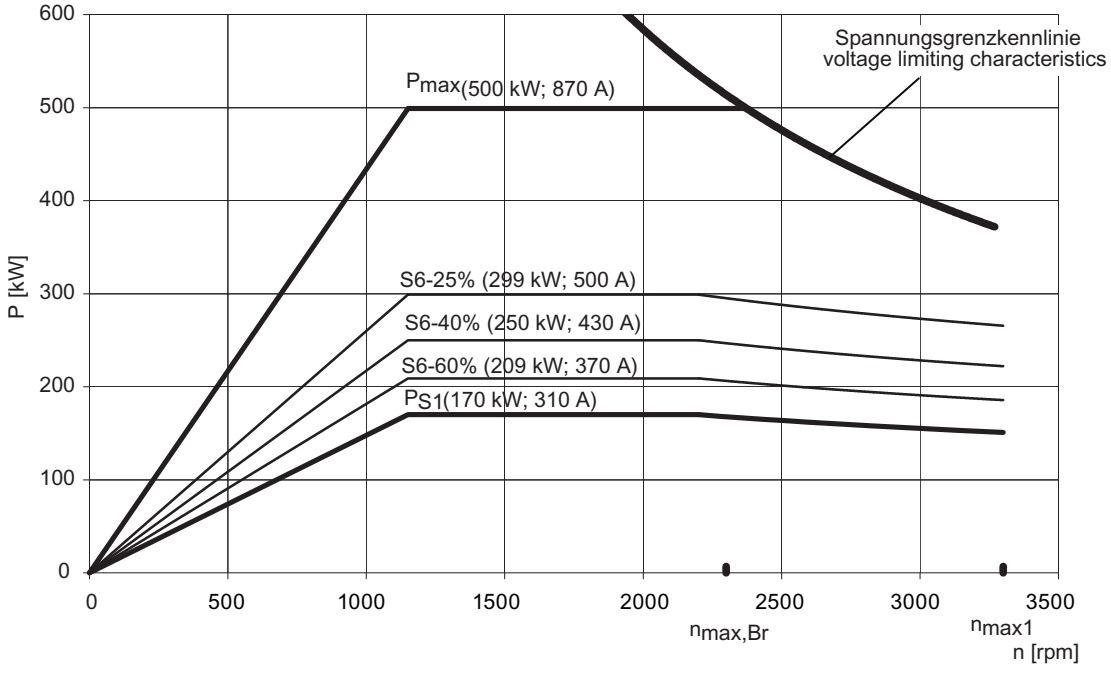


Table 2-223 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8284-□□D1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	170	1,414	310	3,300	-	-	2,300	2,200	4,150	870	1,414	310
1,000	150	1,433	315					3,300				



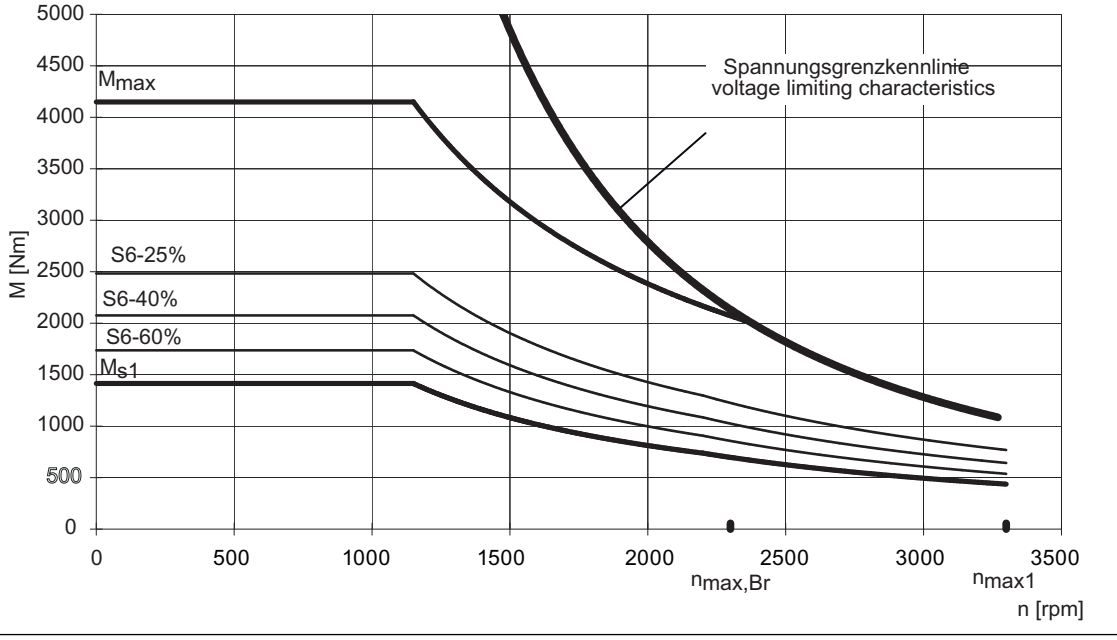


Table 2-224 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□D1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	200	1,416	315	3,300	-	-	2,300	2,200	4,150	870	1,416	315

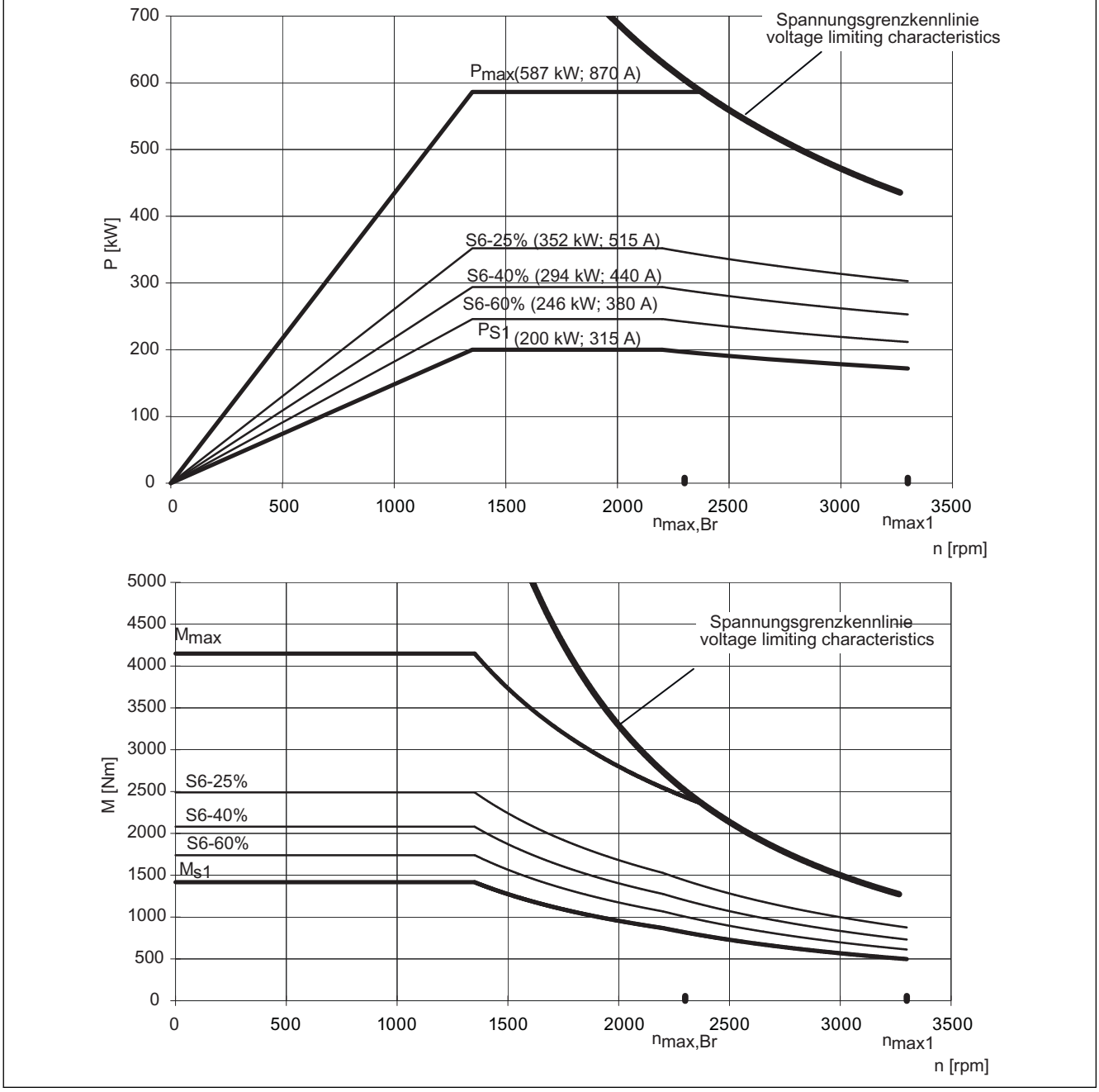


Table 2-225 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8284-□□D1□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	200	1,273	290	3,300	-	-	2,300	2,200	4,150	870	1,433	290

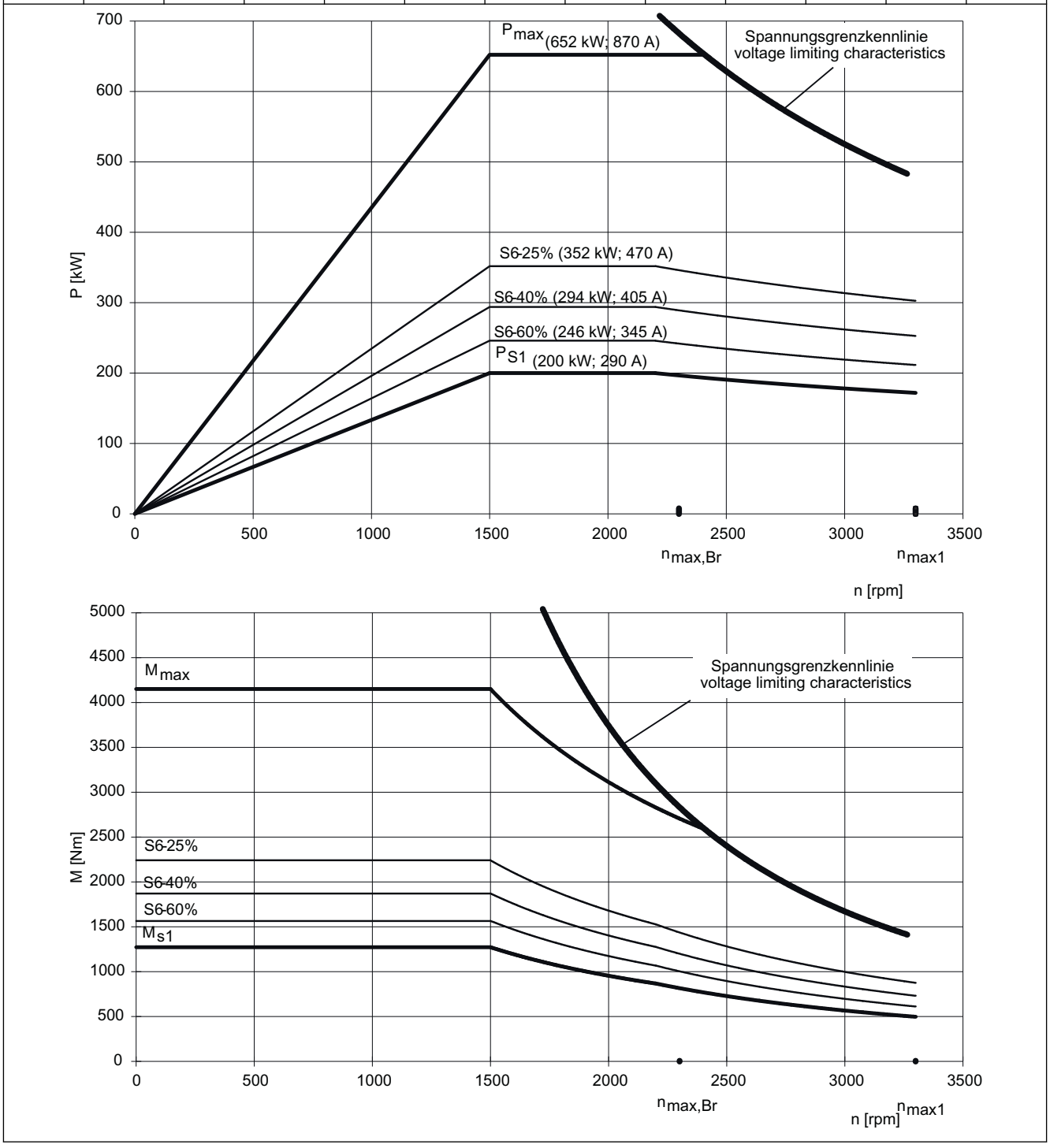


Table 2-226 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□F1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	196	1,248	390	3,300	-	-	2,300	1,900	3,650	1,100	1,248	390

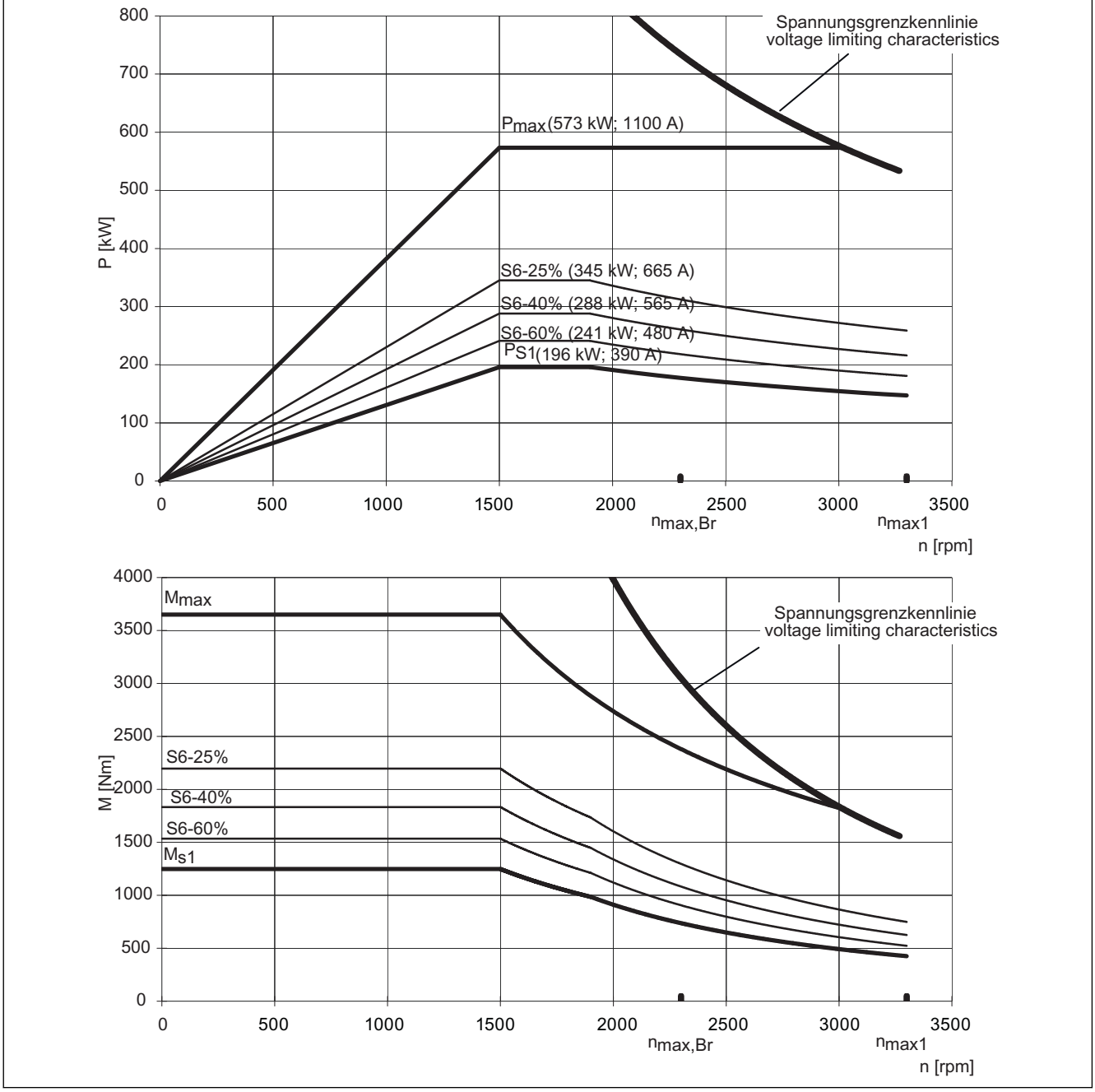
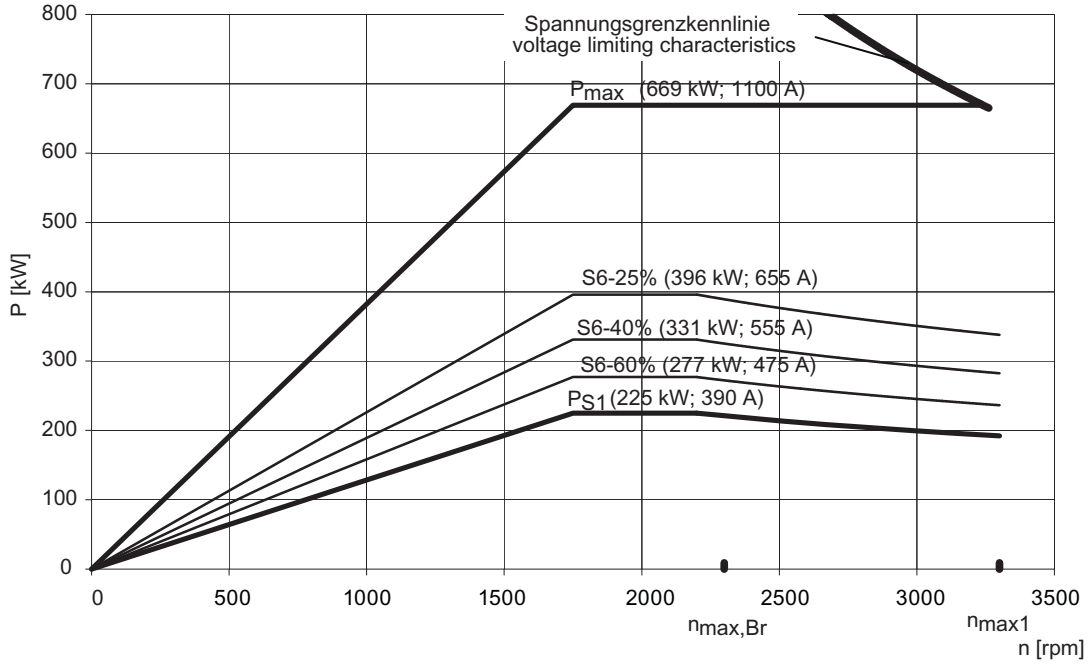


Table 2-227 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8284-□□F1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	225	1,228	390	3,300	-	-	2,300	2,200	3,650	1,100	1,228	390
1,500	196	1,248	390					3,100				



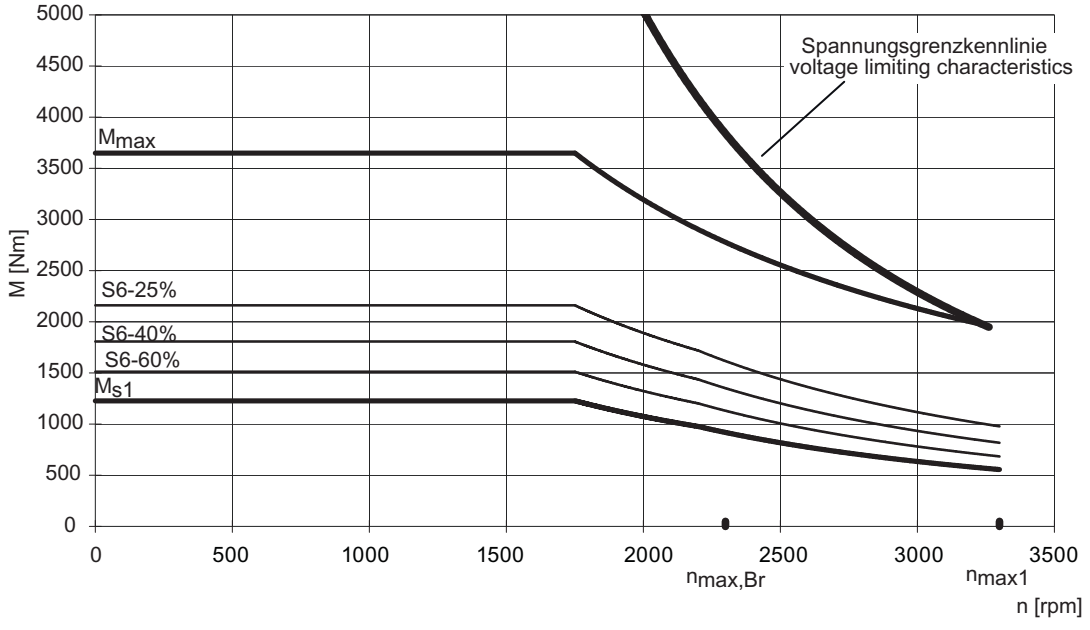
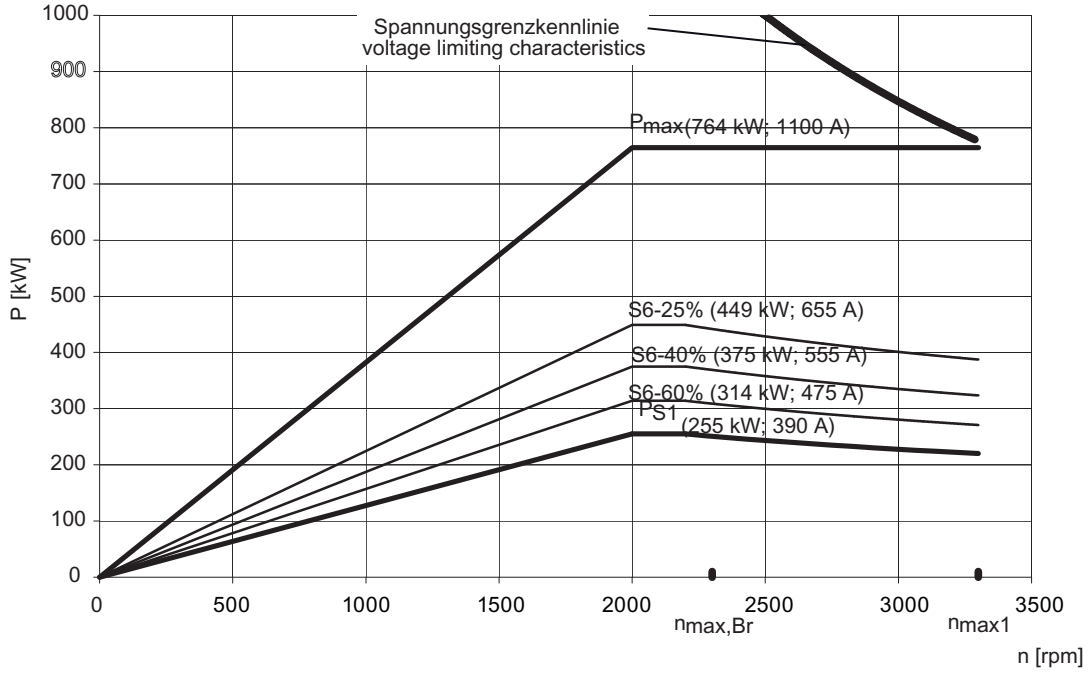


Table 2-228 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□F1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	255	1,218	390	3,300	-	-	2,300	2,200	3,650	1,100	1,218	390



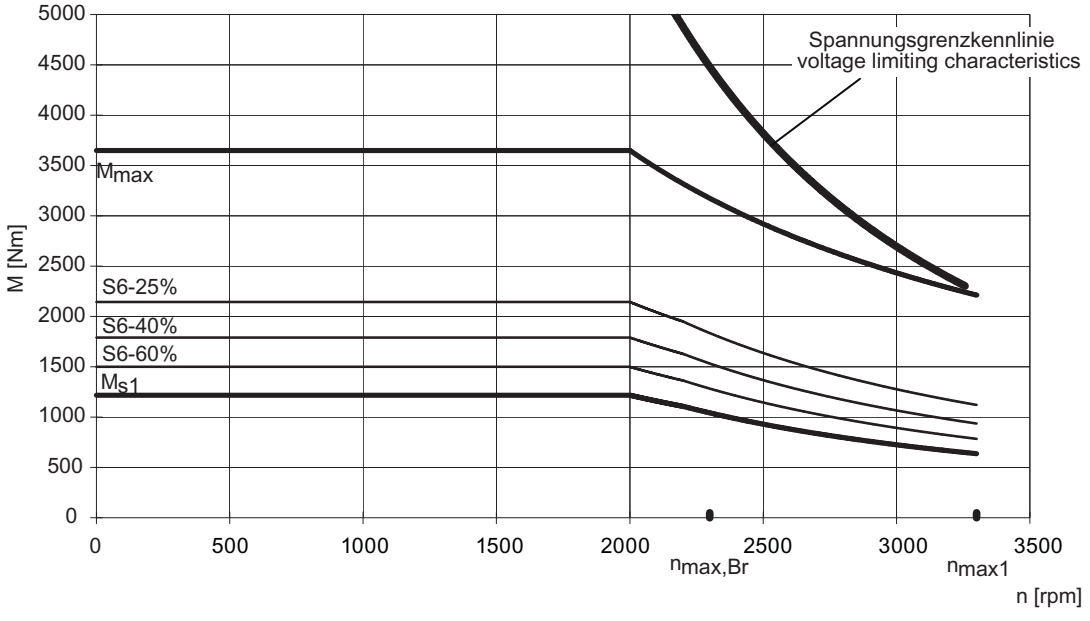


Table 2-229 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8284-□□F1□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,200	230	998	330	3,300	-	-	2,300	2,400	3,650	1,100	1,248	330

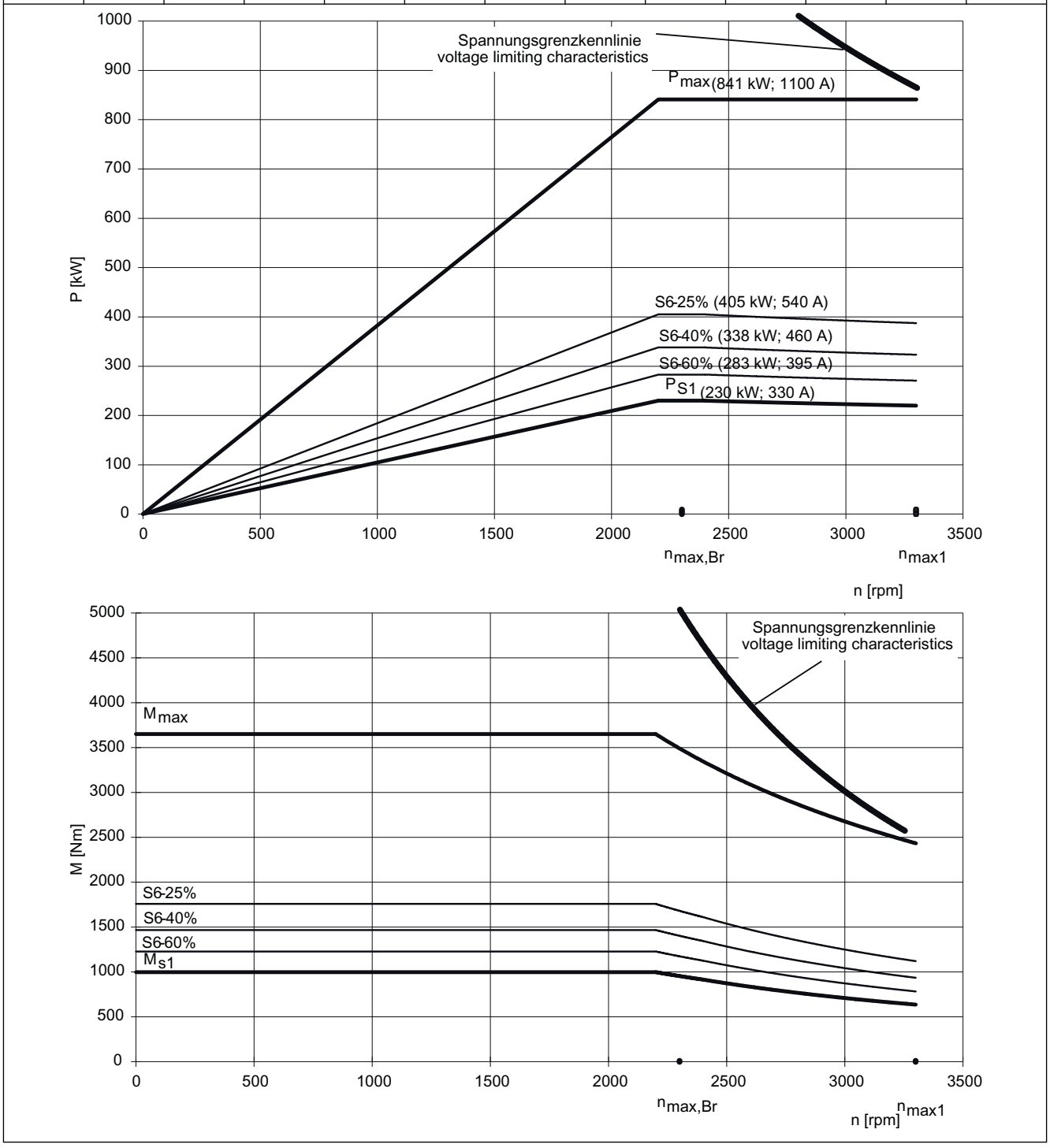
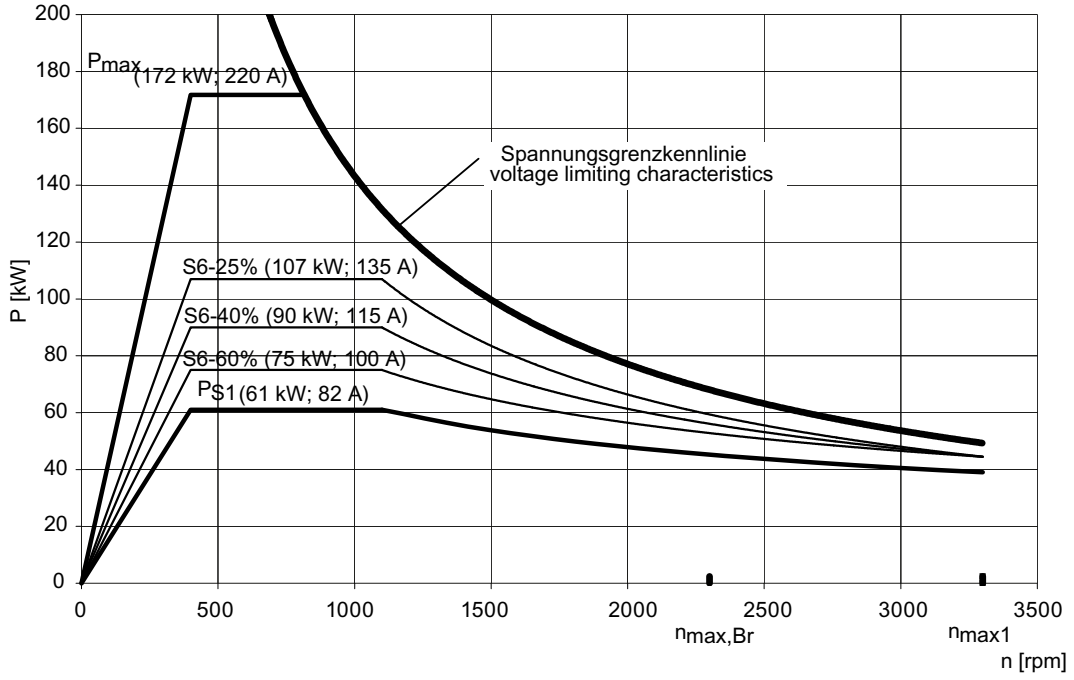


Table 2-230 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8284-□□H1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	61	1,456	82	3,300	-	-	2,300	1,100	4,100	220	1,456	82



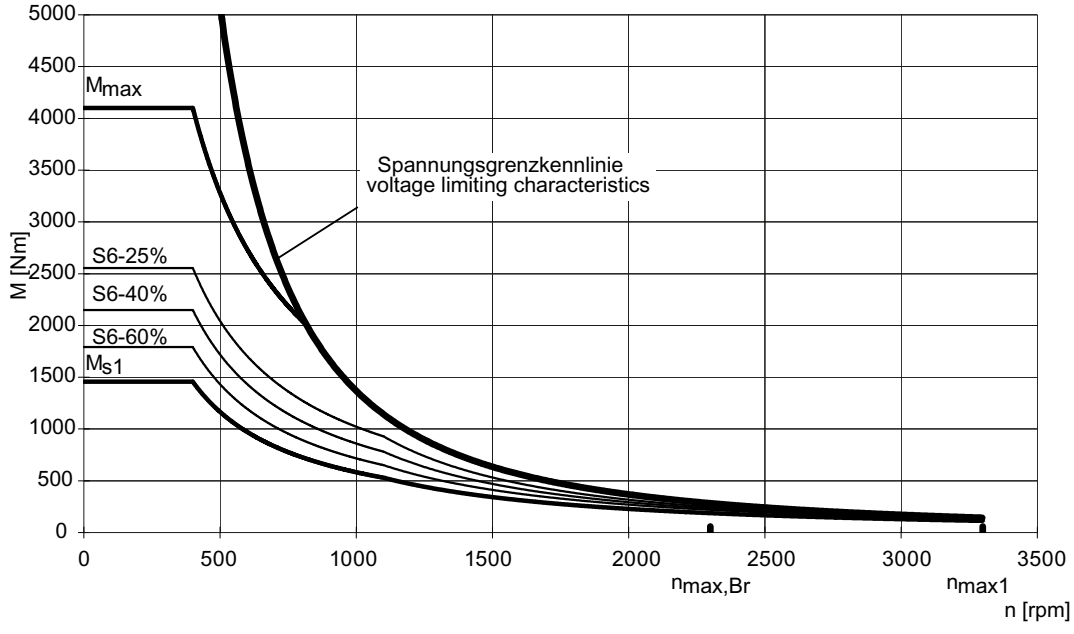
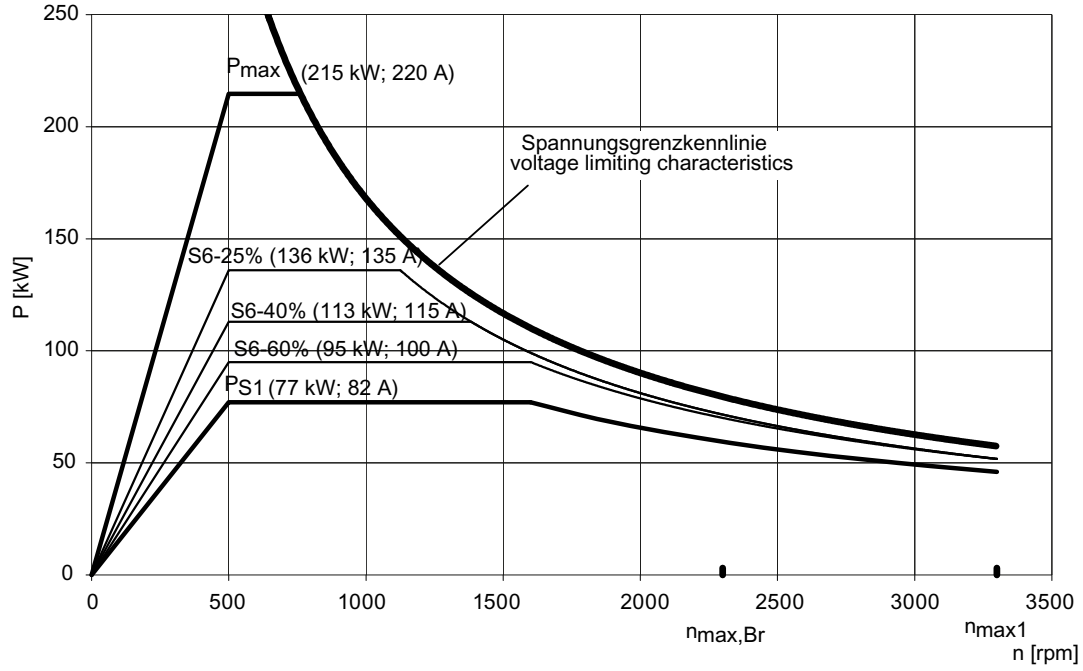


Table 2-231 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8284-□□H1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	77	1,471	82	3,300	-	-	2,300	1,600	4,100	220	1,471	82
400	61	1,456	82					2,200				



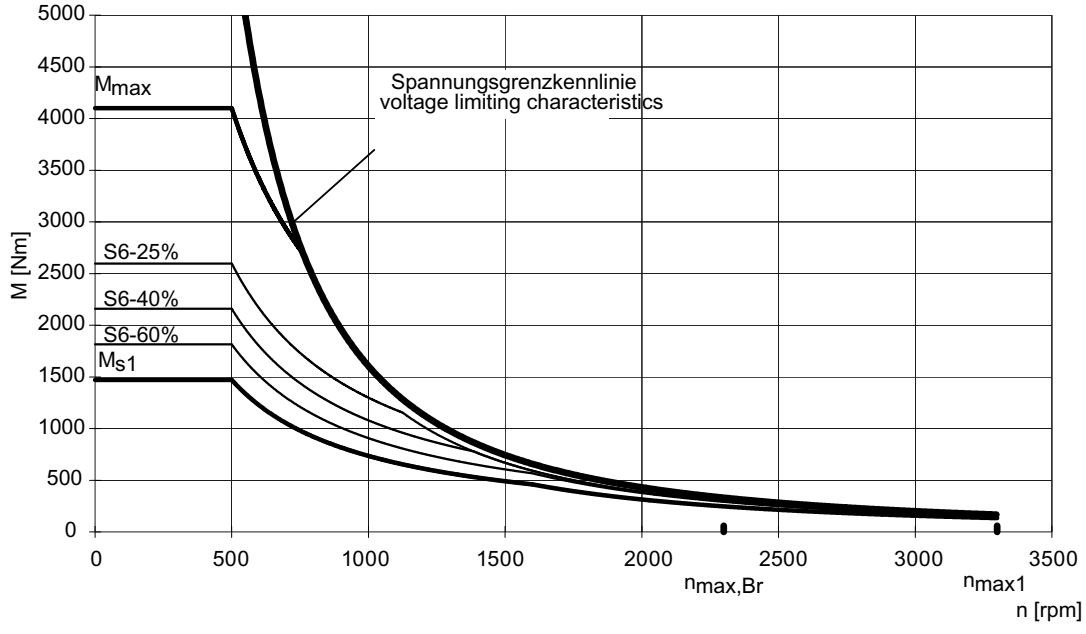
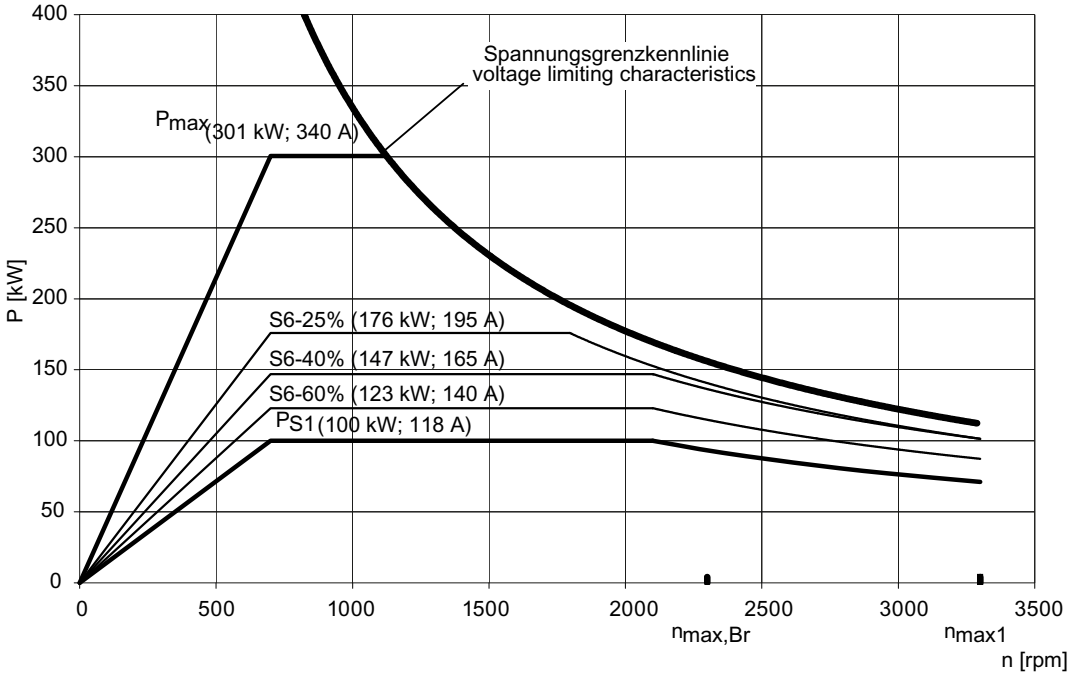


Table 2-232 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8284-□□K1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	100	1,364	118	3,300	-	-	2,300	2,100	4,100	340	1,364	118



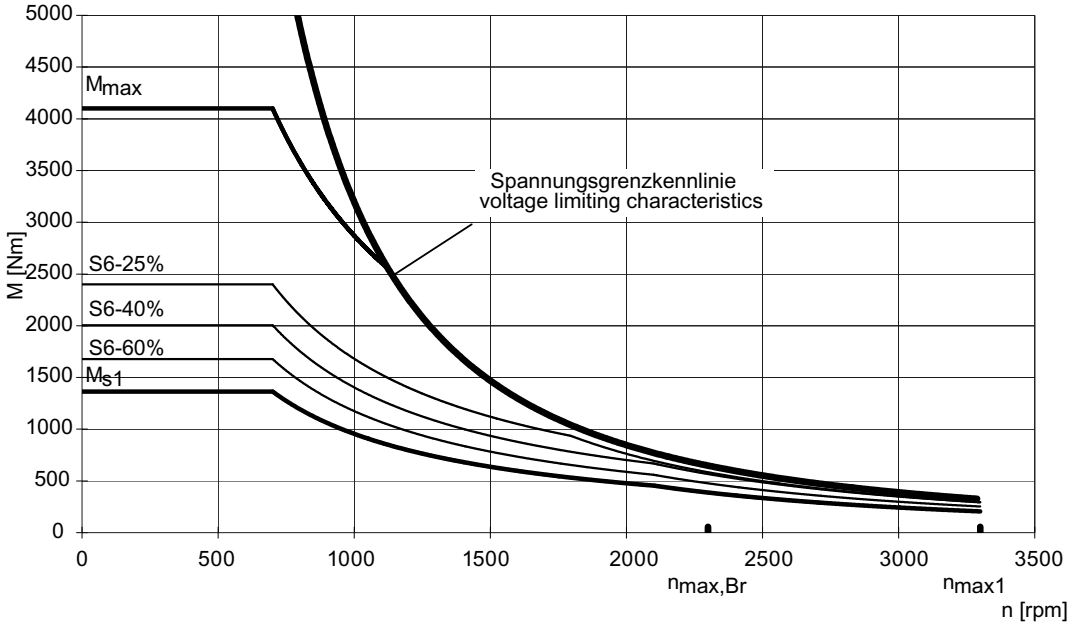
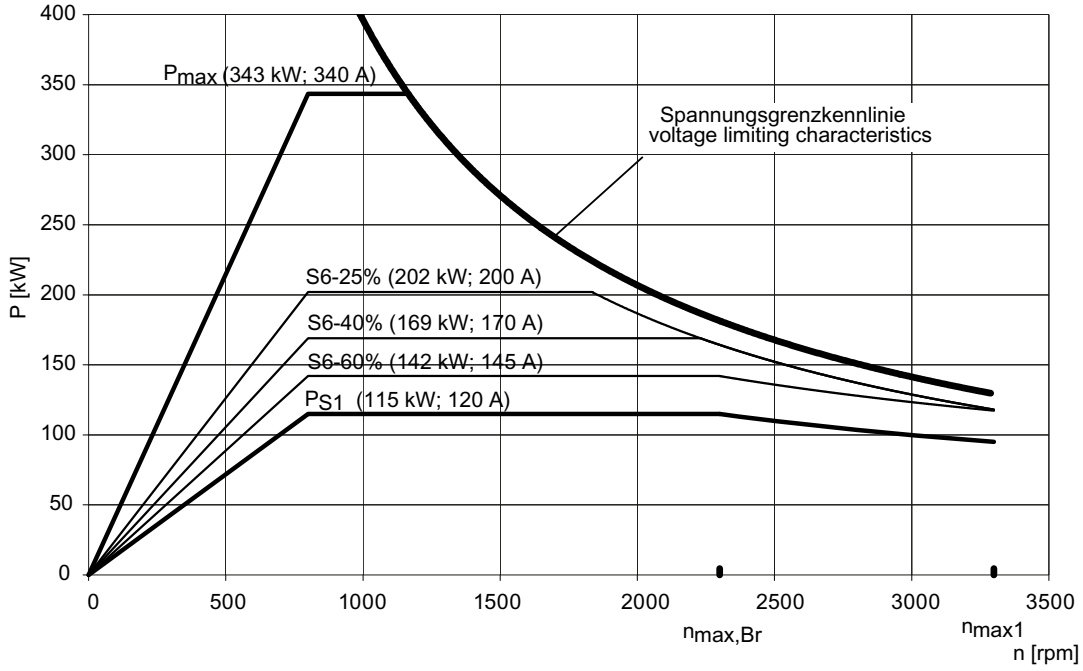


Table 2-233 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8284-□□K1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	115	1,373	120	3,300	-	-	2,300	2,300	4,100	340	1,373	120
700	100	1,364	118					3,000				



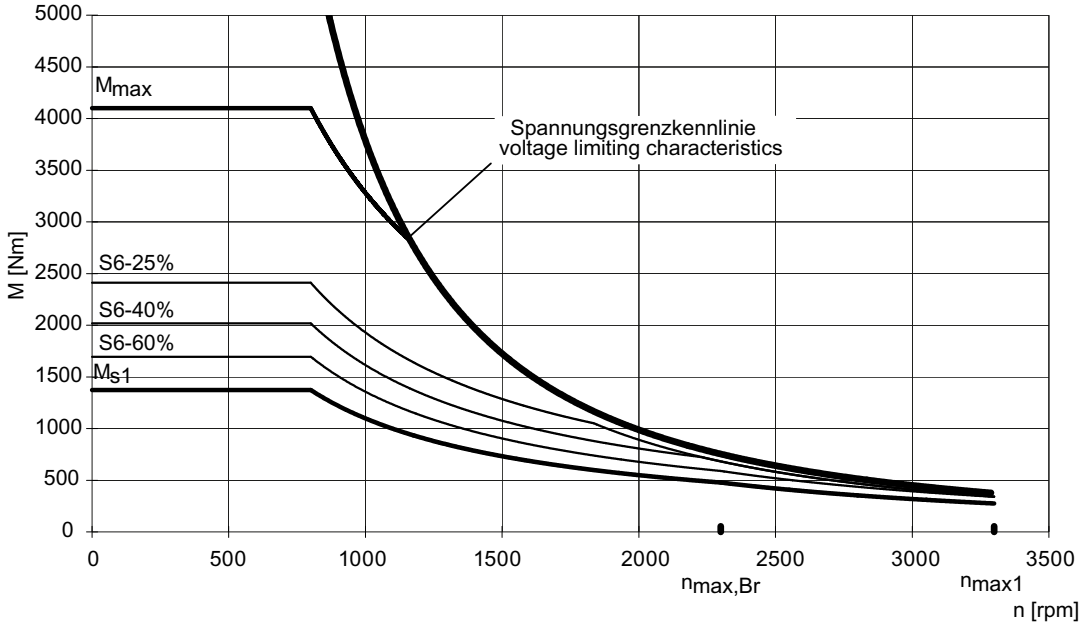
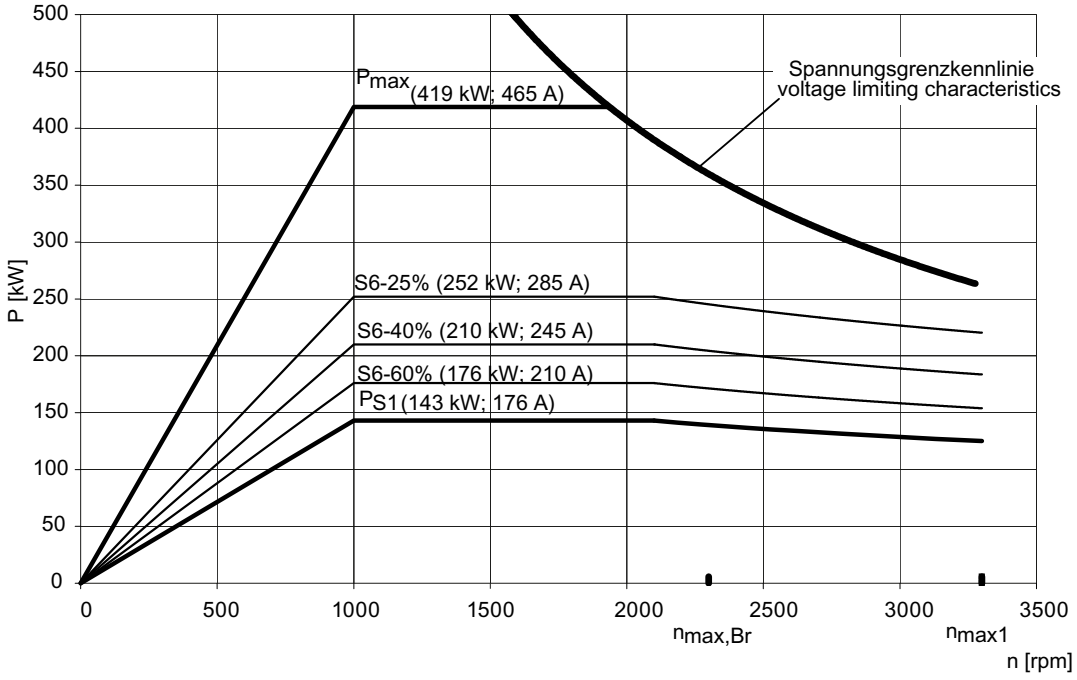


Table 2-234 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8284-□□U1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	143	1,366	176	3,300	-	-	2,300	2,100	4,000	465	1,366	176



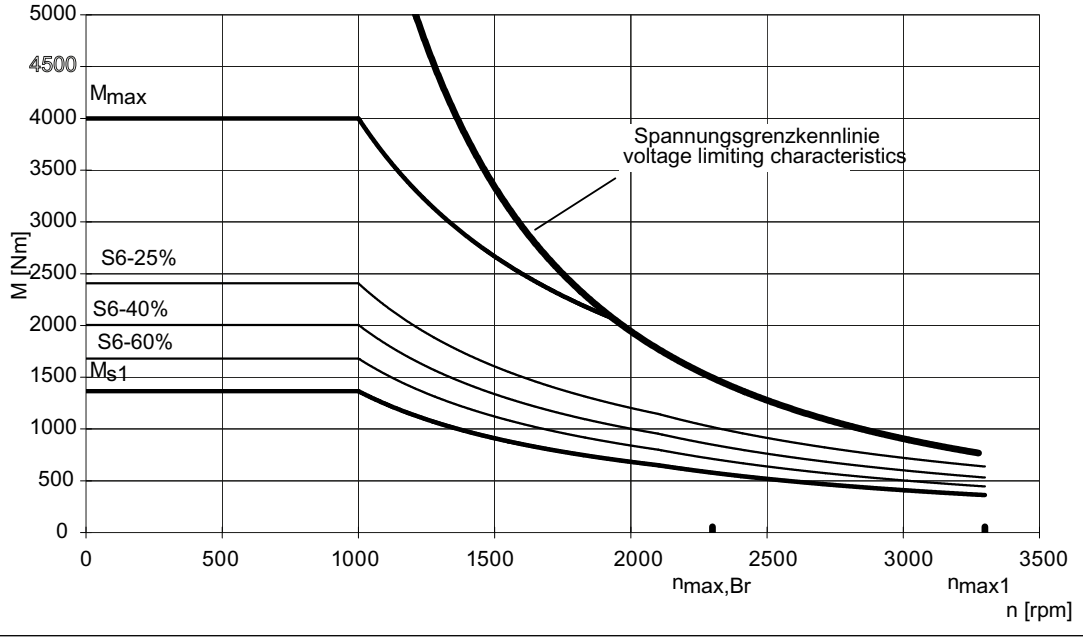
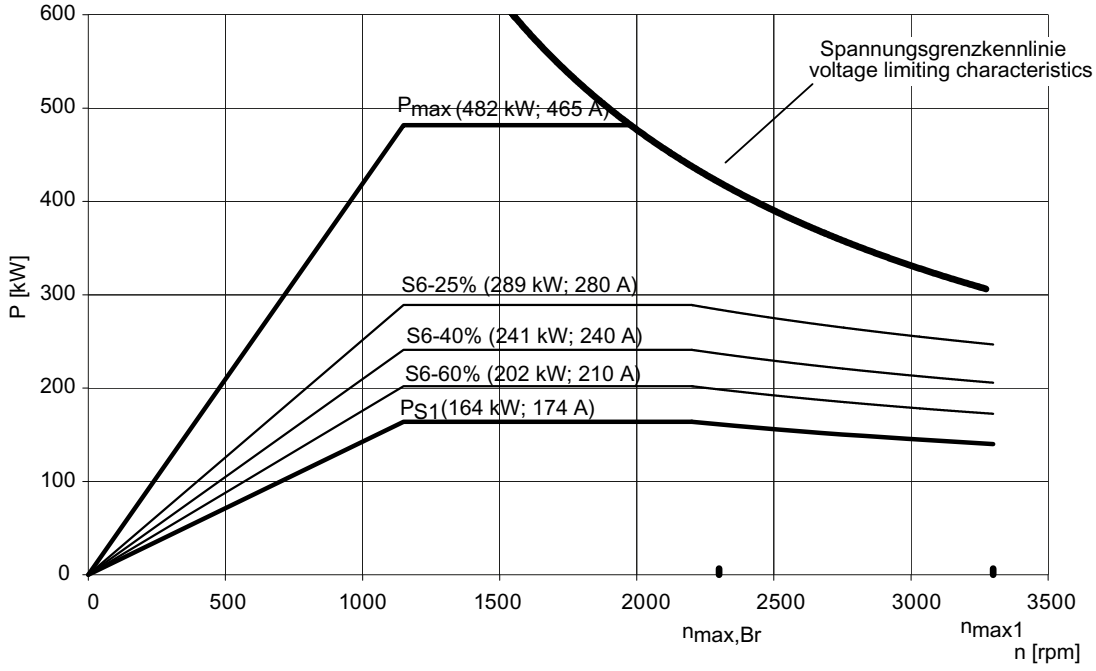


Table 2-235 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8284-□□U1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	164	1,362	174	3,300	-	-	2,300	2,200	4,000	465	1,362	174
1,000	143	1,366	176					3,100				



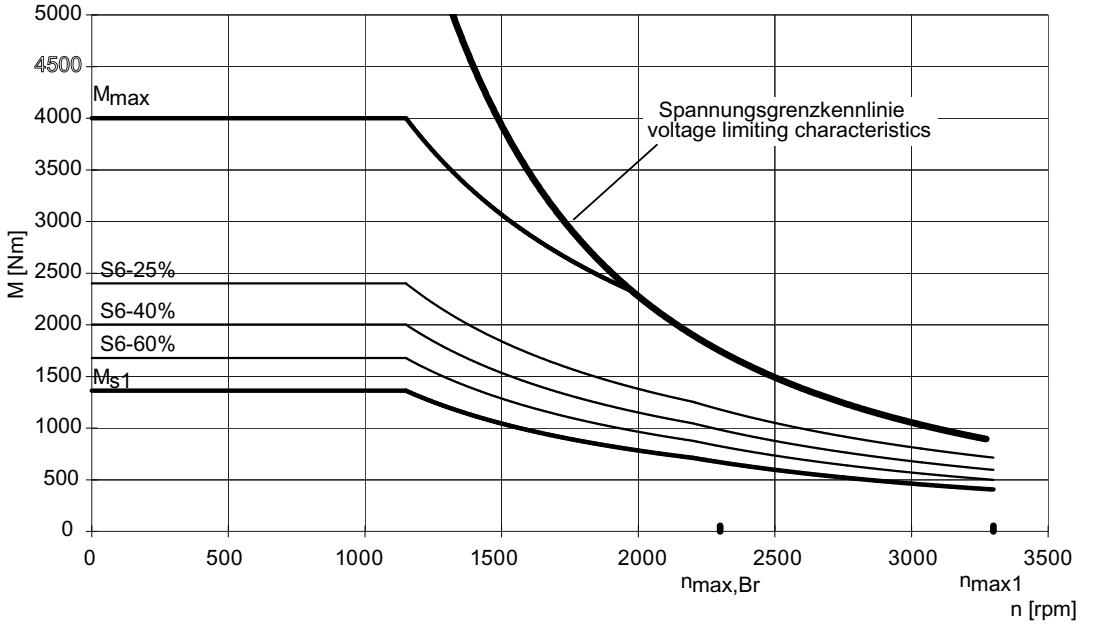
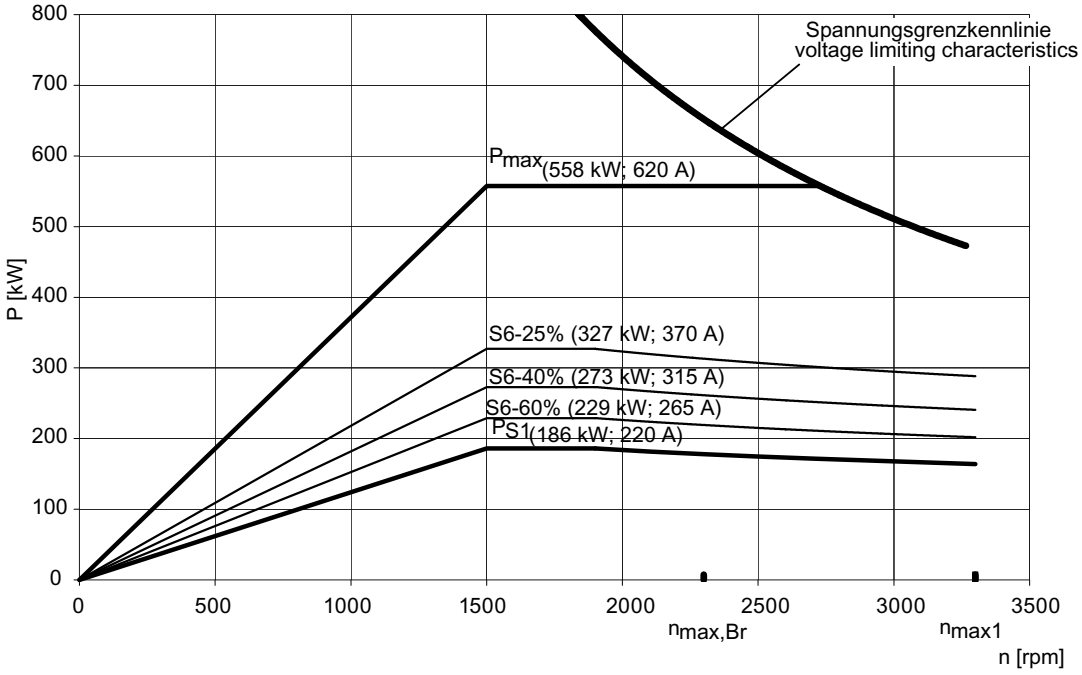


Table 2-236 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8284-□□W1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	186	1,184	220	3,300	-	-	2,300	1,900	3,550	620	1,184	220



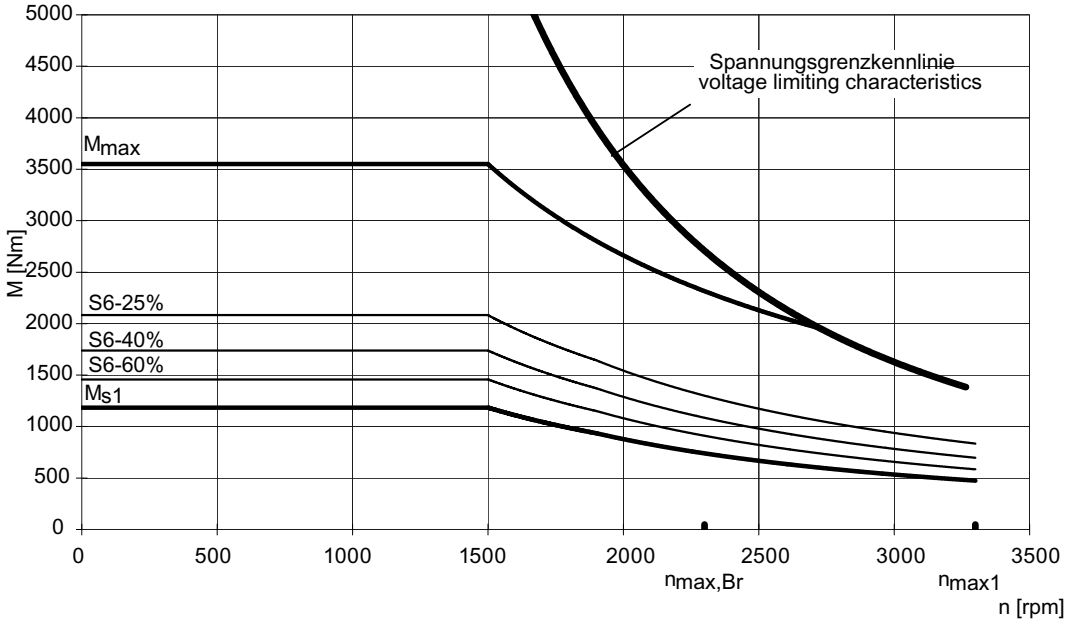
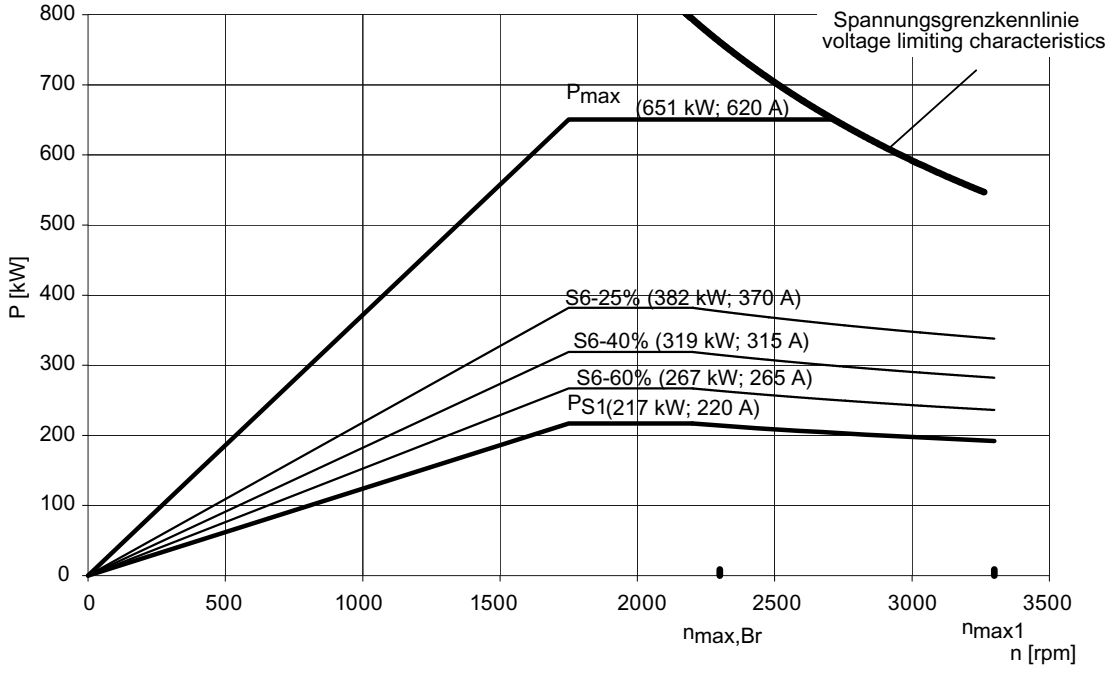


Table 2-237 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8284-□□W1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	217	1,184	220	3,300	-	-	2,300	2,200	3,550	620	1,184	220
1,500	186	1,184	220					3,300				



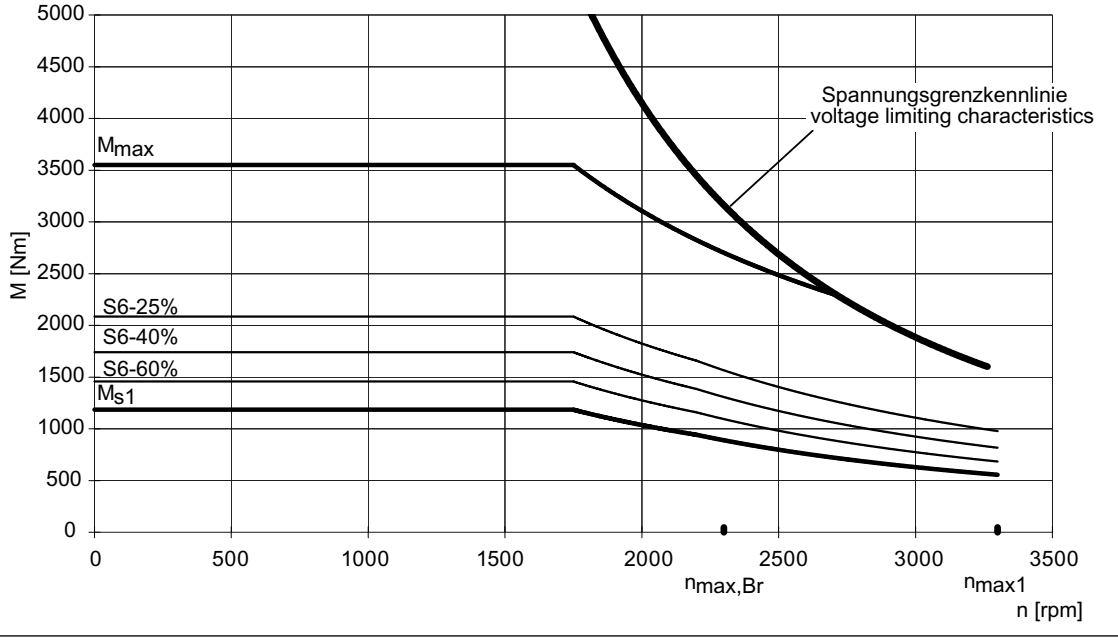
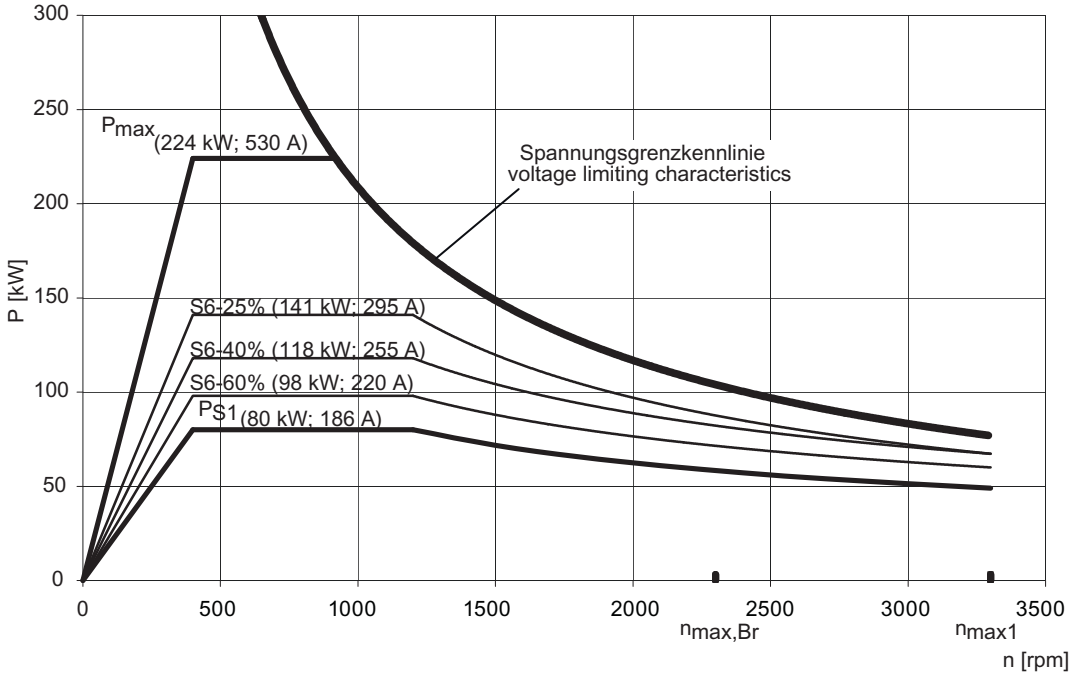


Table 2-238 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□B1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	80	1,910	186	3,300	-	-	2,300	1,200	5,350	530	1,910	186



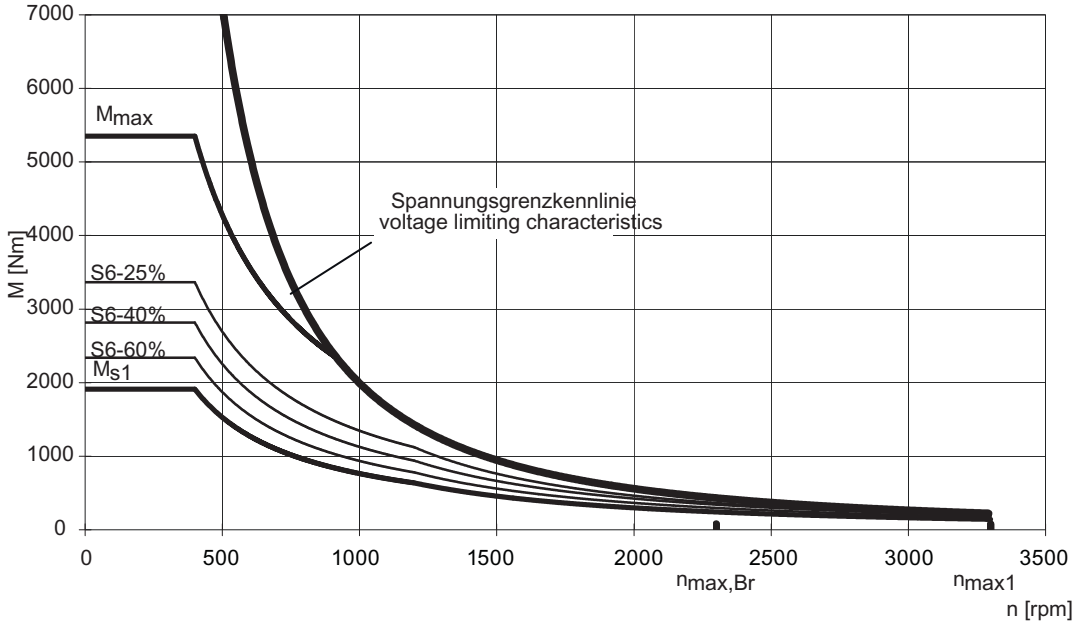
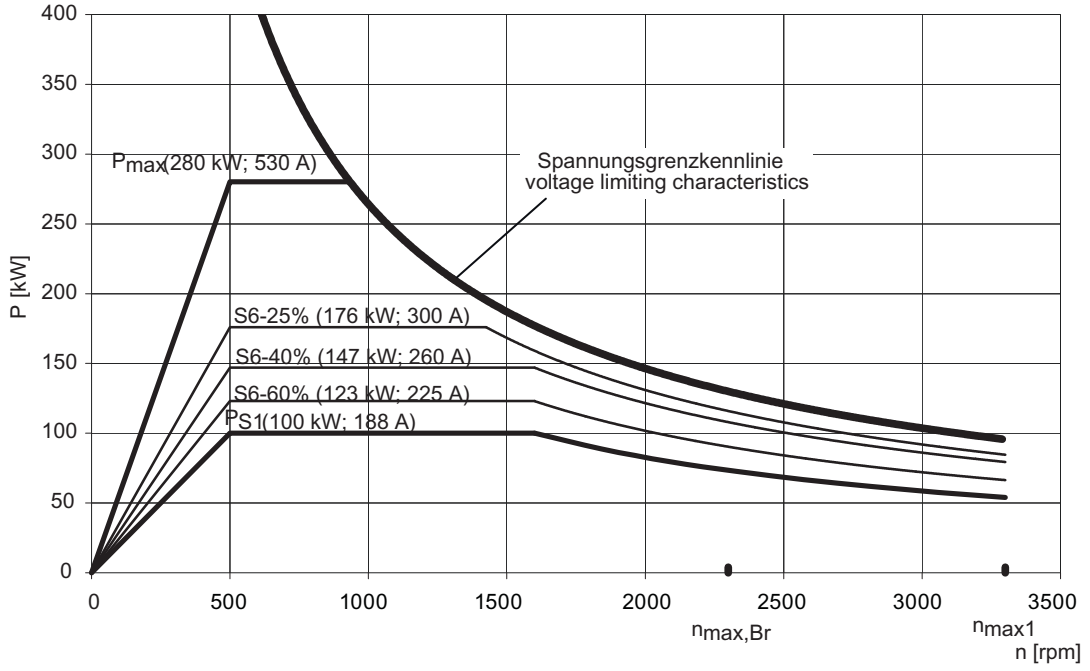


Table 2-239 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8286-□□B1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	100	1,909	188	3,300	-	-	2,300	1,600	5,350	530	1,909	188
400	80	1,910	186					2,100				



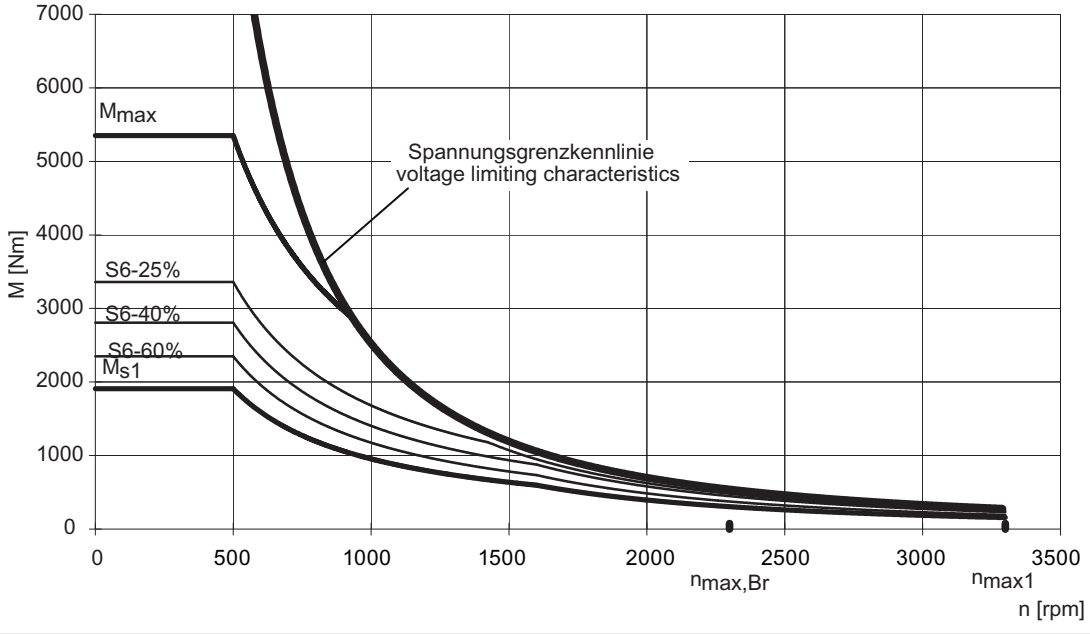
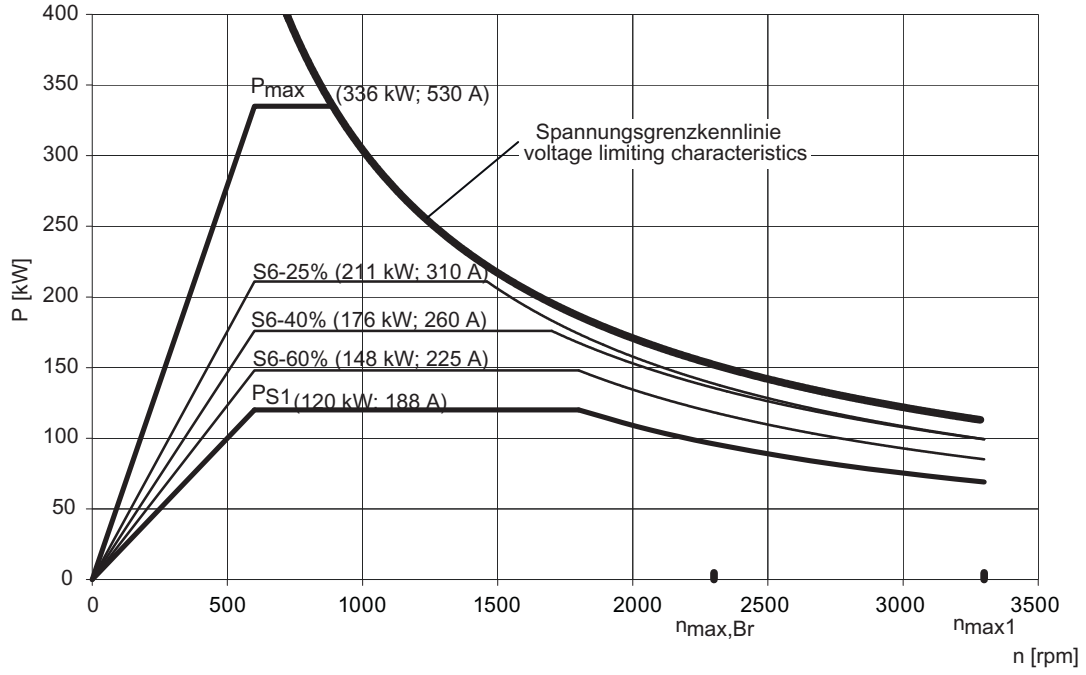


Table 2-240 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□B1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	120	1,916	188	3,300	-	-	2,300	1,800	5,350	530	1,916	188



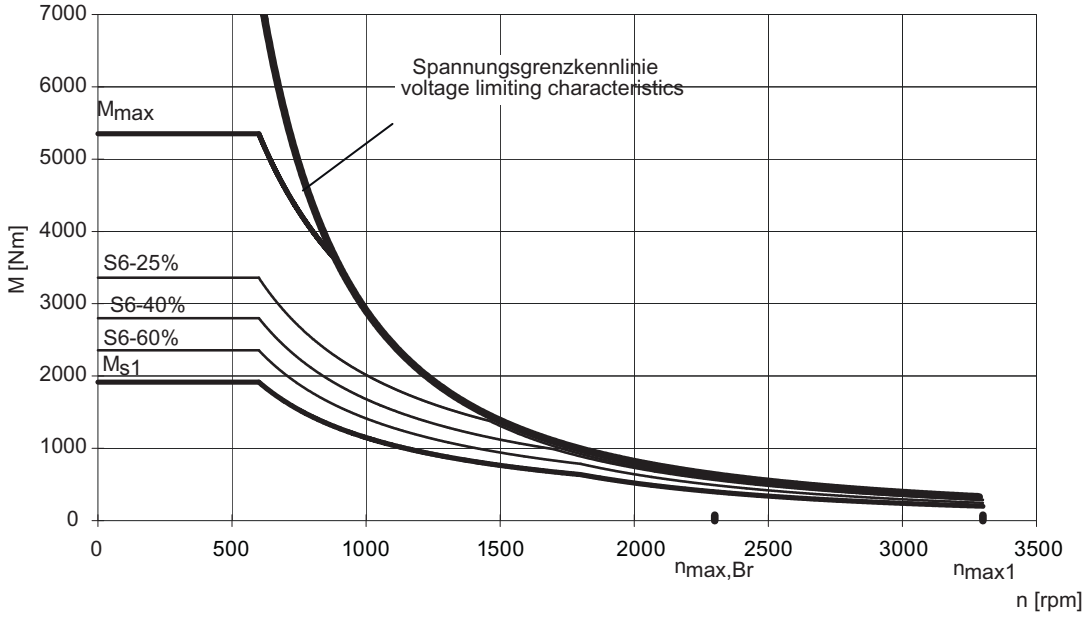


Table 2-241 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8286-□□B1□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	132	1,801	184	3,300	-	-	2,300	1,500	5,350	530	1,910	184

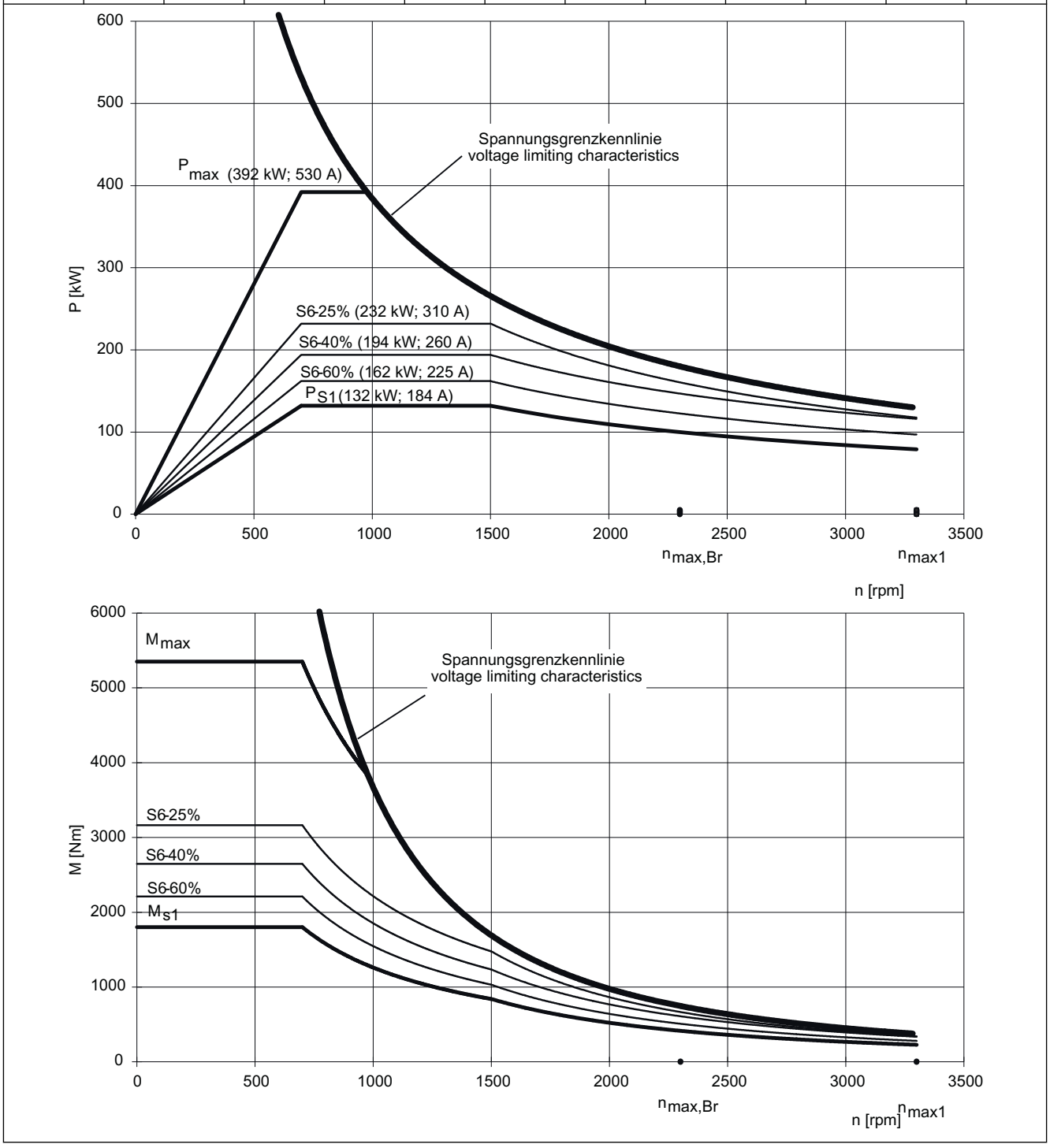
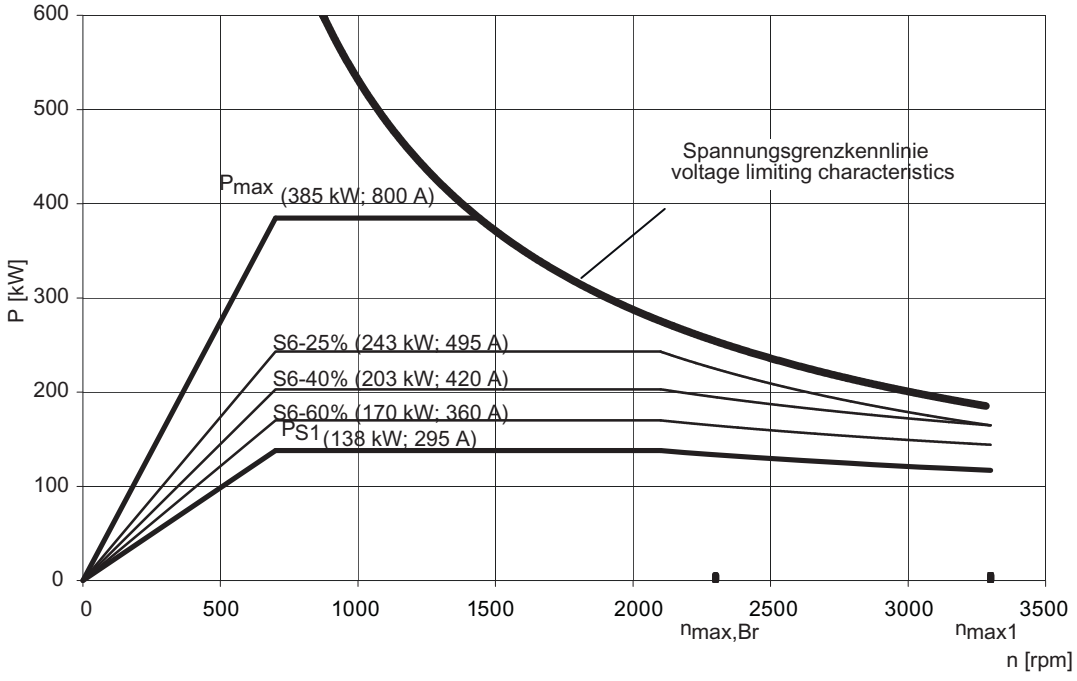


Table 2-242 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□C1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	138	1,883	295	3,300	-	-	2,300	2,100	5,250	800	1,883	295



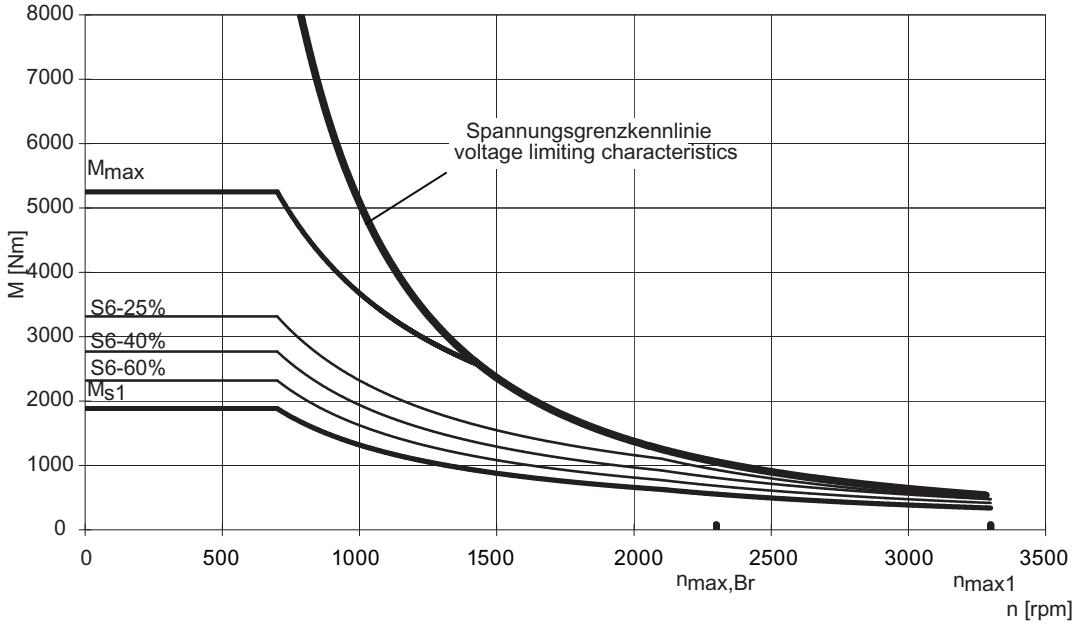
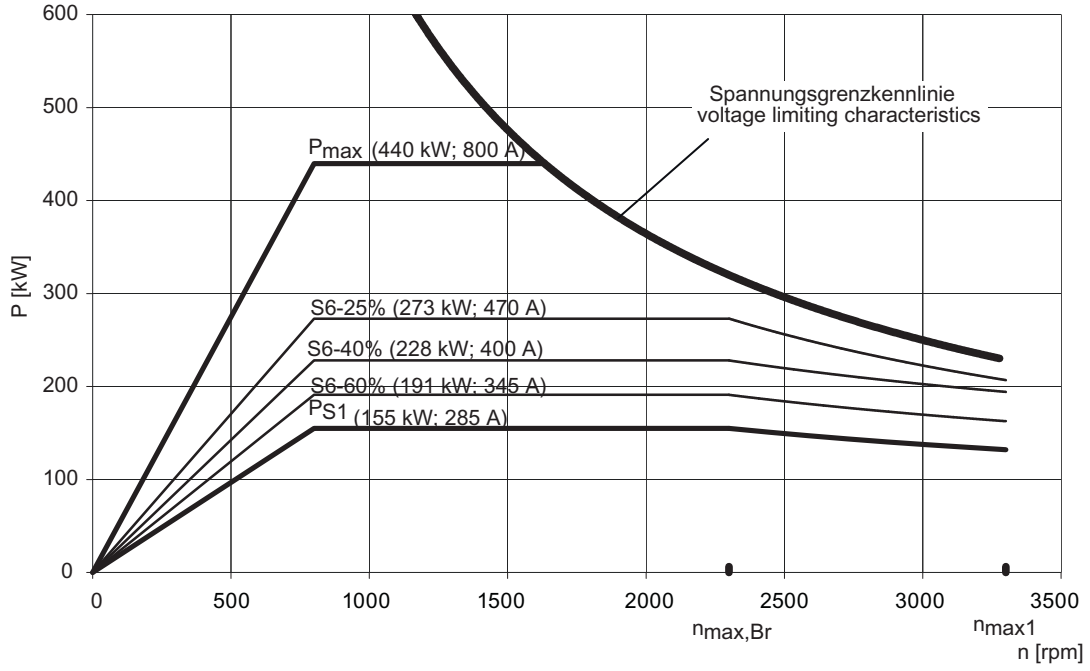


Table 2-243 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8286-□□C1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	155	1,850	285	3,300	-	-	2,300	2,300	5,250	800	1,850	285
700	138	1,883	295					3,000				



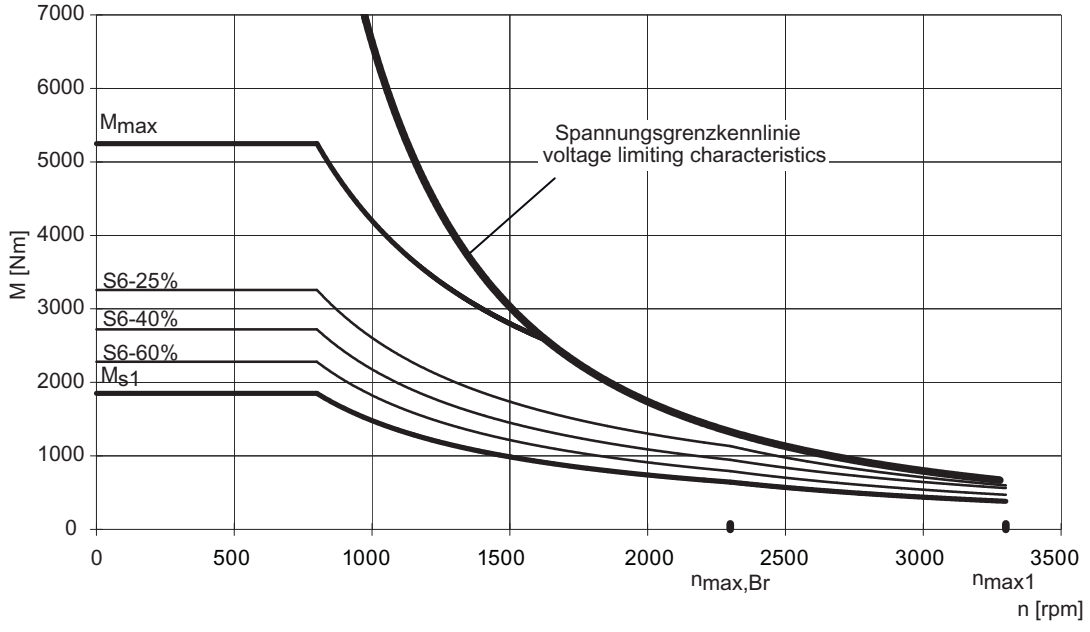
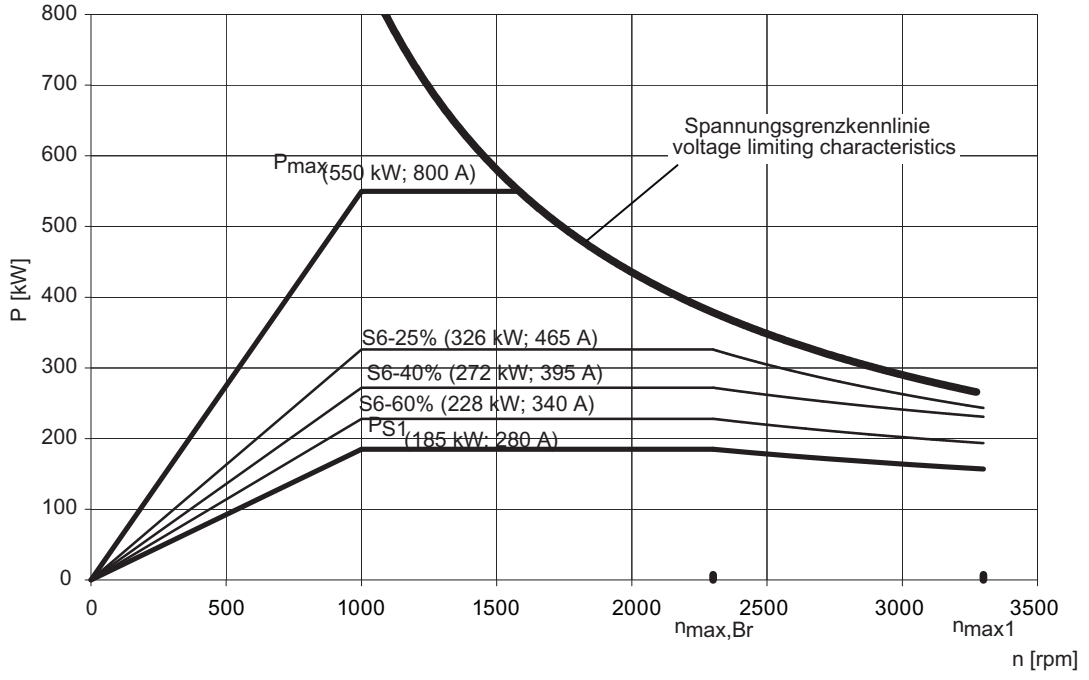


Table 2-244 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□C1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	185	1,767	280	3,300	-	-	2,300	2,300	5,250	800	1,767	280



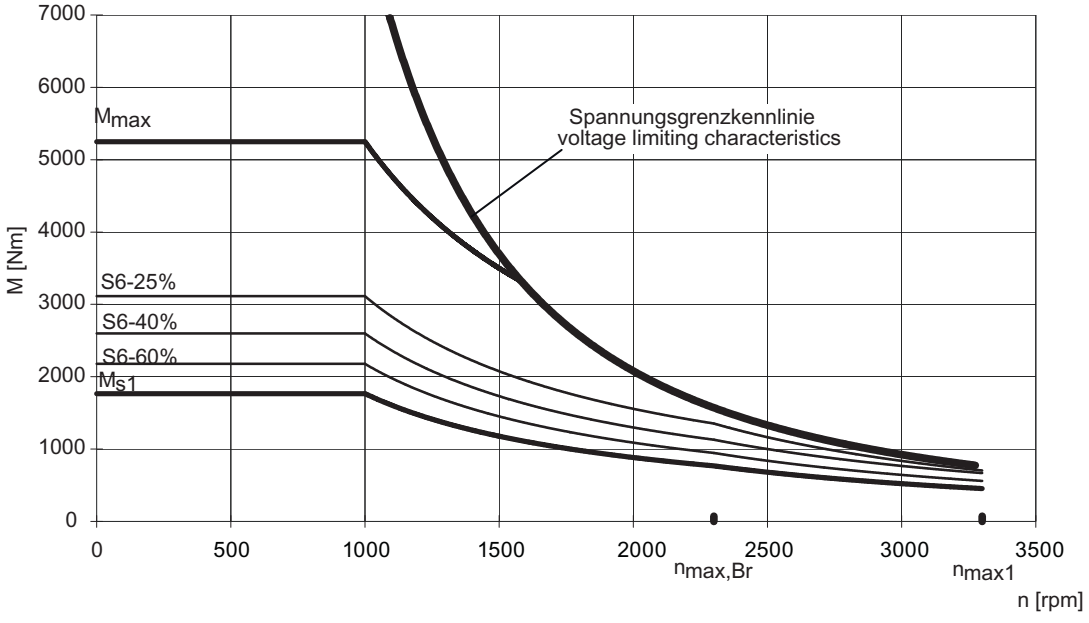


Table 2-245 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8286-□□C1□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,100	191	1,658	270	3,300	-	-	2,300	2,400	5,250	800	1,883	270

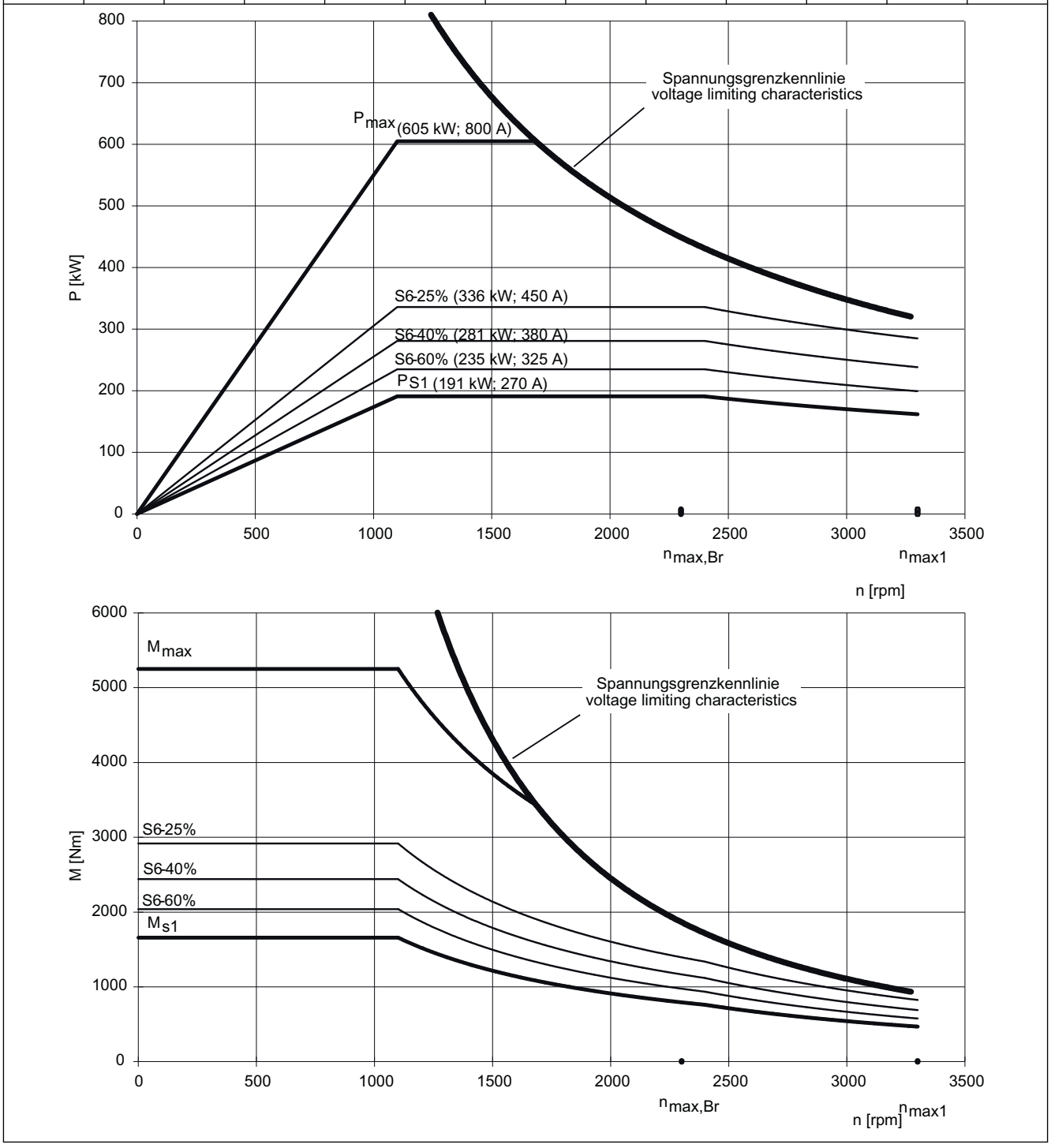
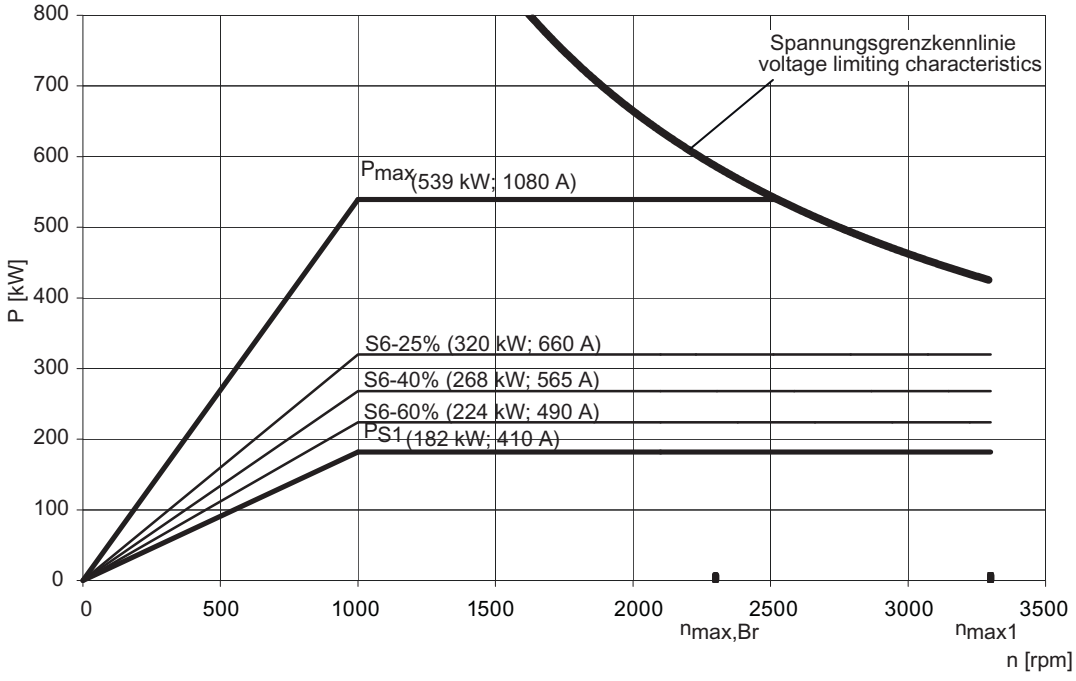


Table 2-246 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□D1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	182	1,738	410	3,300	-	-	2,300	2,100	5,150	1,080	1,738	410



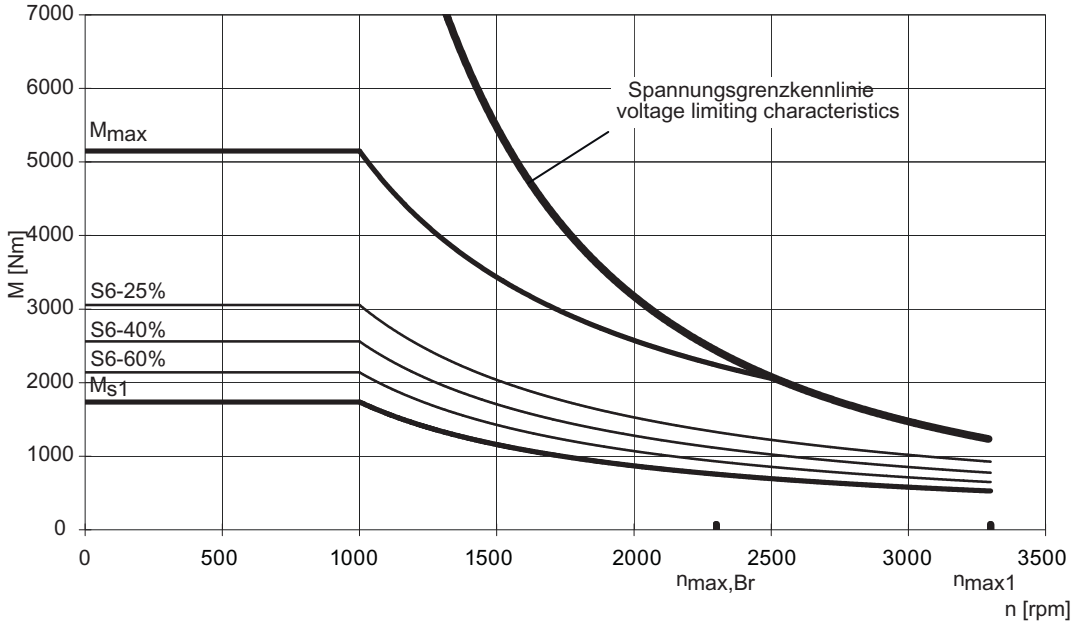
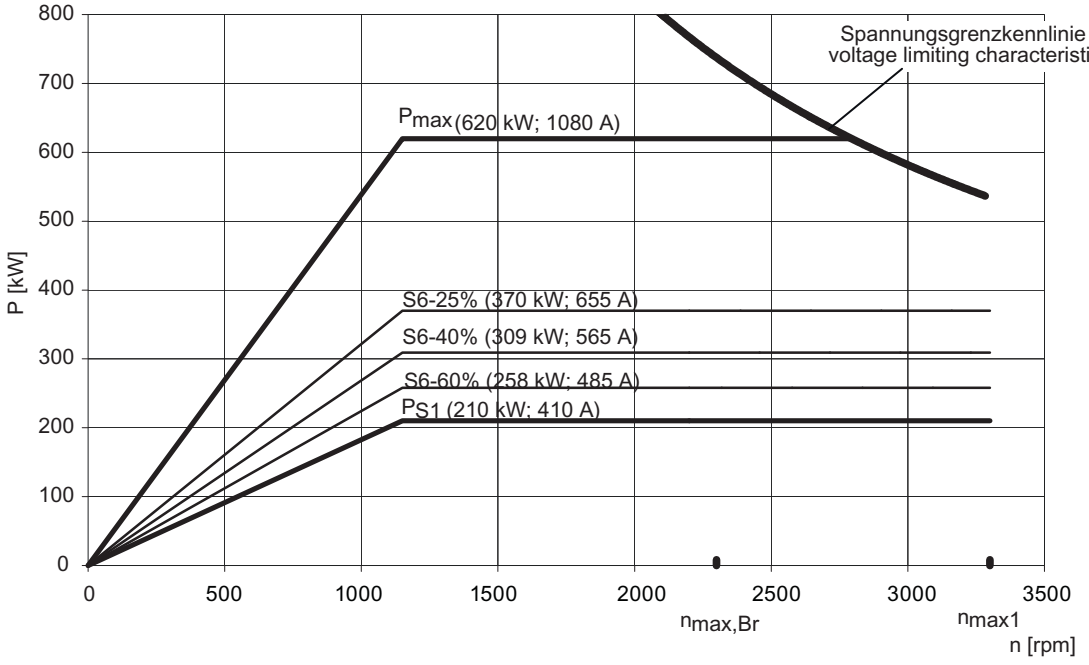


Table 2-247 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8286-□□D1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	210	1,745	410	3,300	-	-	2,300	2,200	5,150	1,080	1,745	410
1,000	182	1,738	410					3,300				



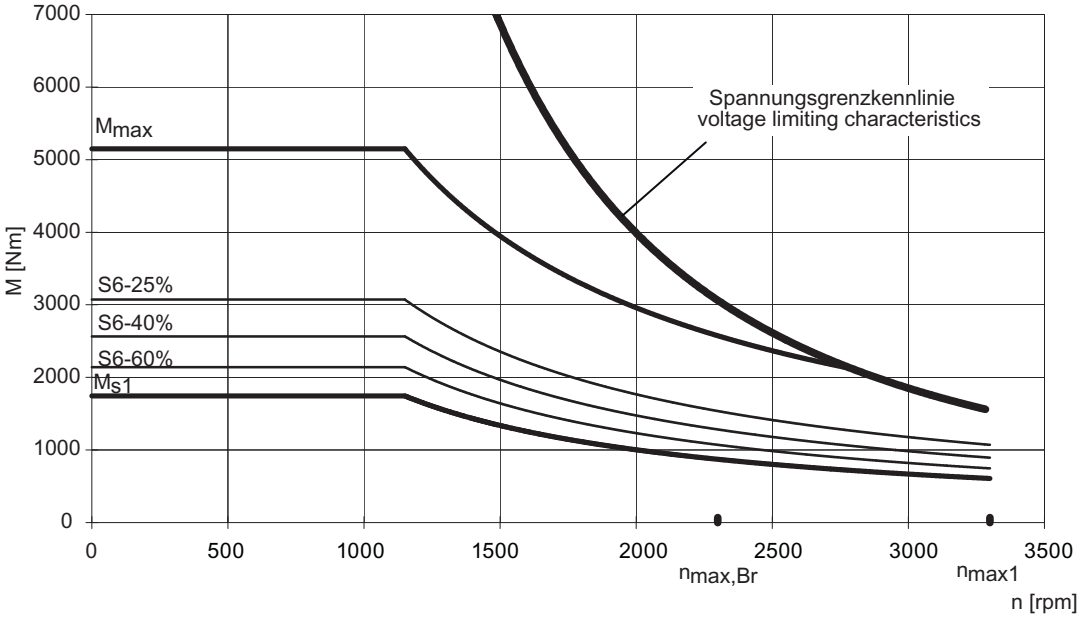


Table 2-248 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□D1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	245	1,733	410	3,300	-	-	2,300	2,200	5,150	1,080	1,733	410

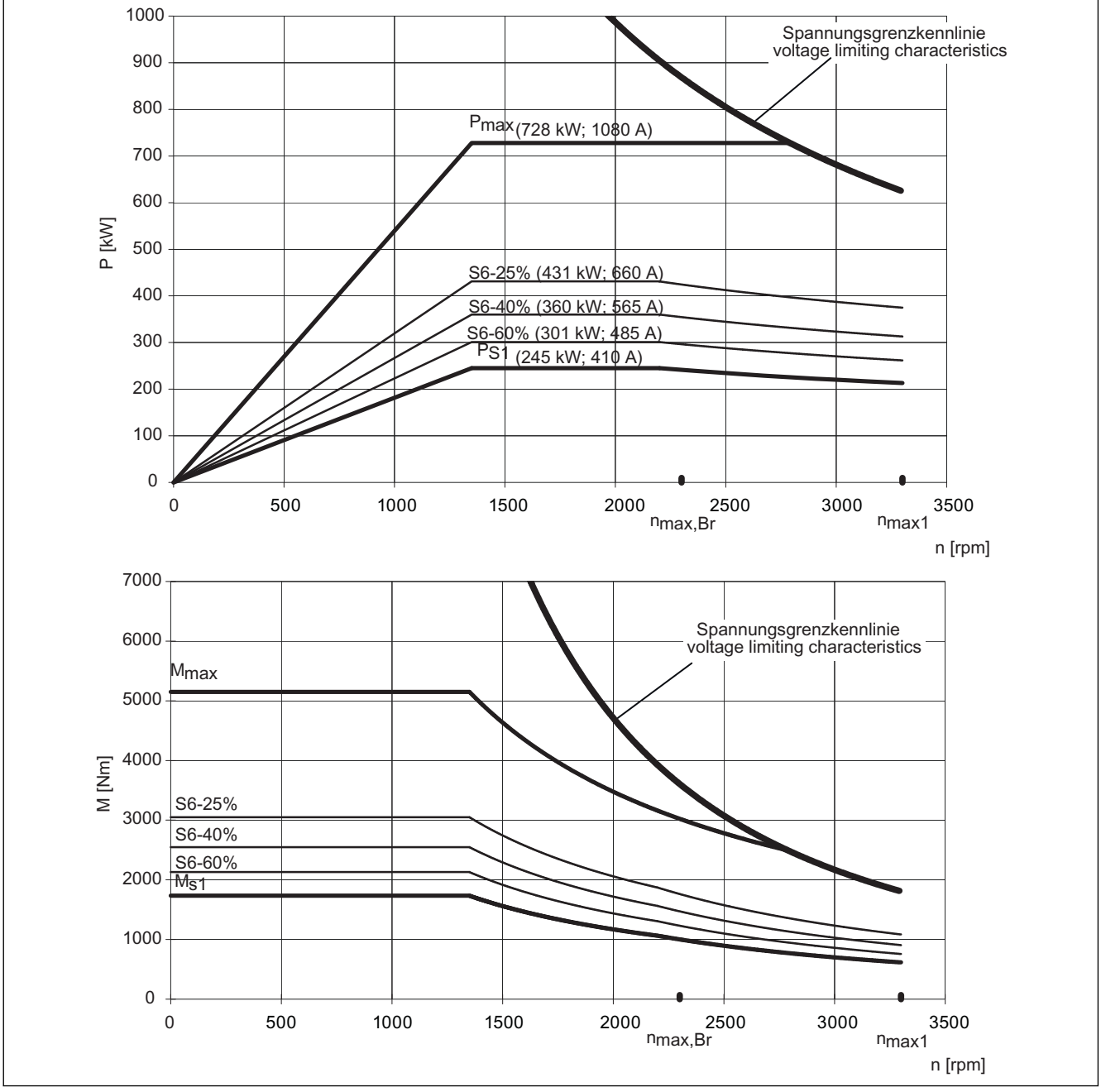


Table 2-249 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8286-□□D1□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	245	1,560	380	3,300	-	-	2,300	2,200	5,150	1,080	1,738	380

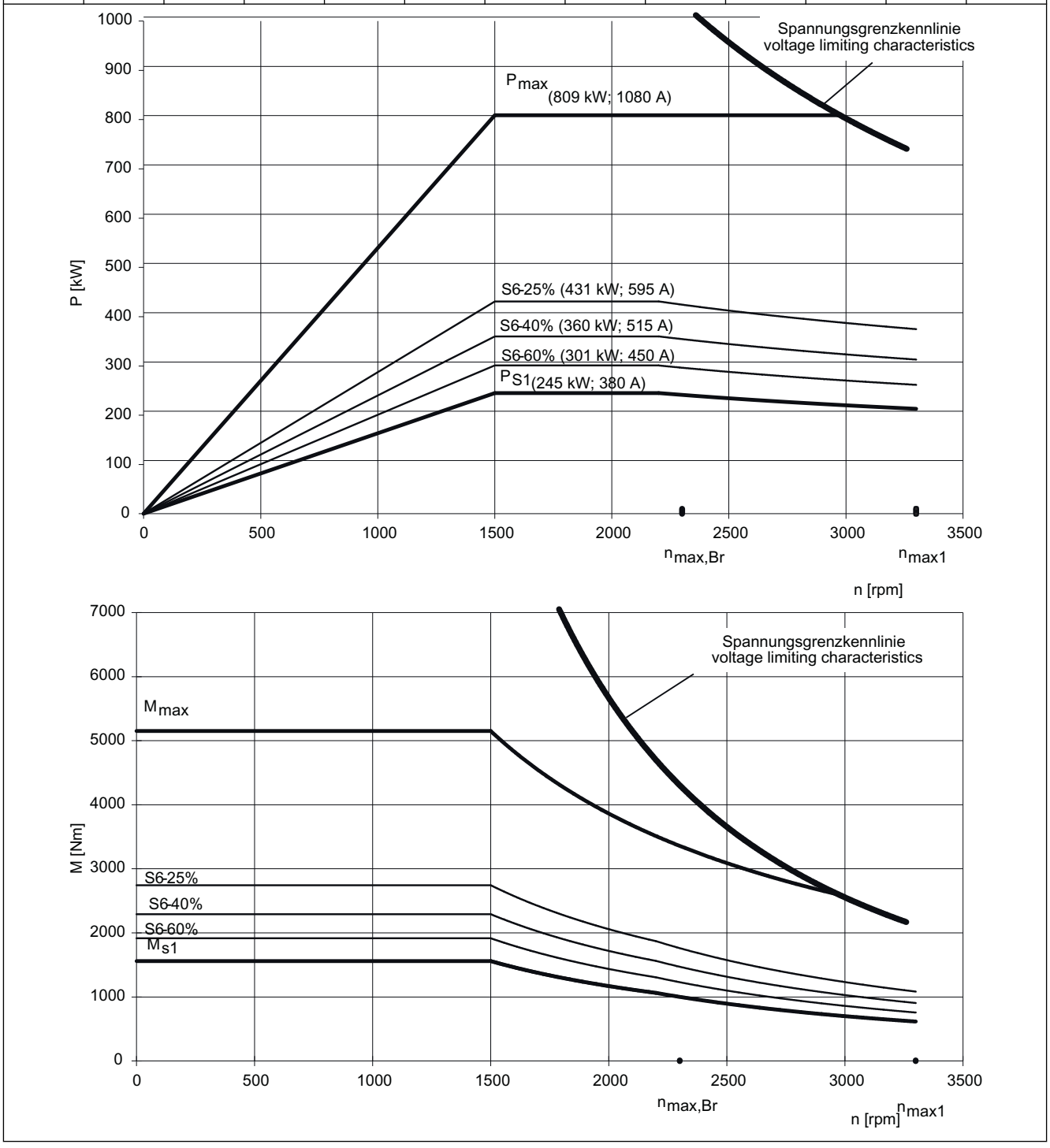


Table 2-250 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□F1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	250	1,592	490	3,300	-	-	2,300	2,000	4,500	1,360	1,592	490

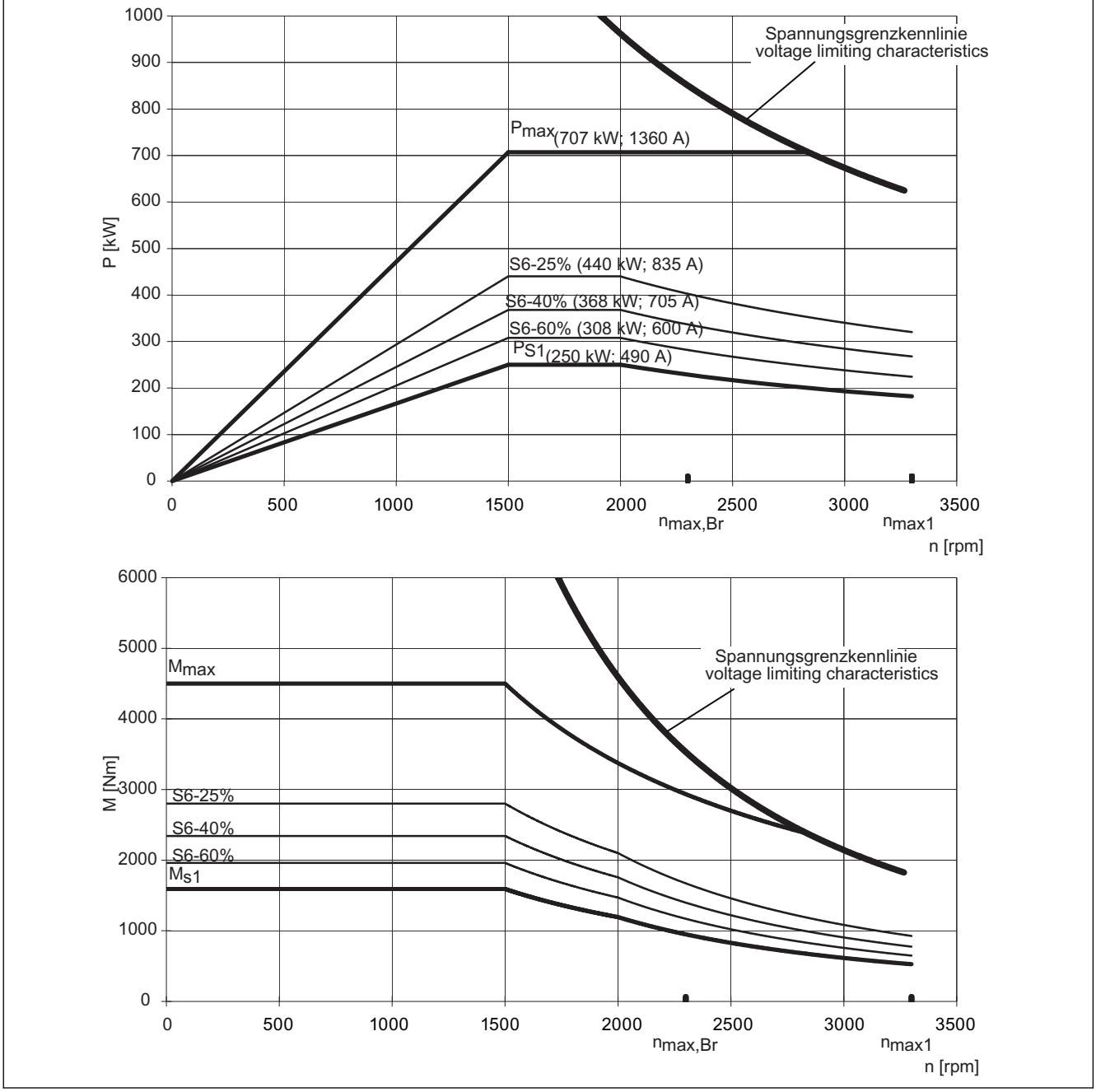
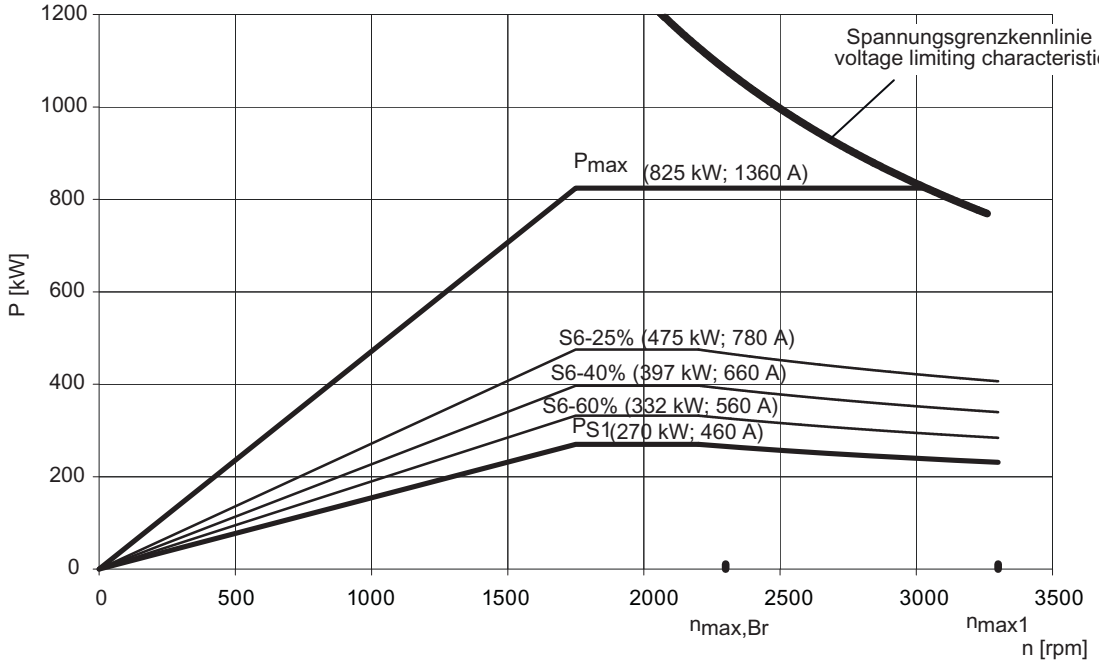


Table 2-251 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8286-□□F1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	270	1,474	460	3,300	-	-	2,300	2,200	4,500	1,360	1,474	460
1,500	250	1,592	490					2,700				



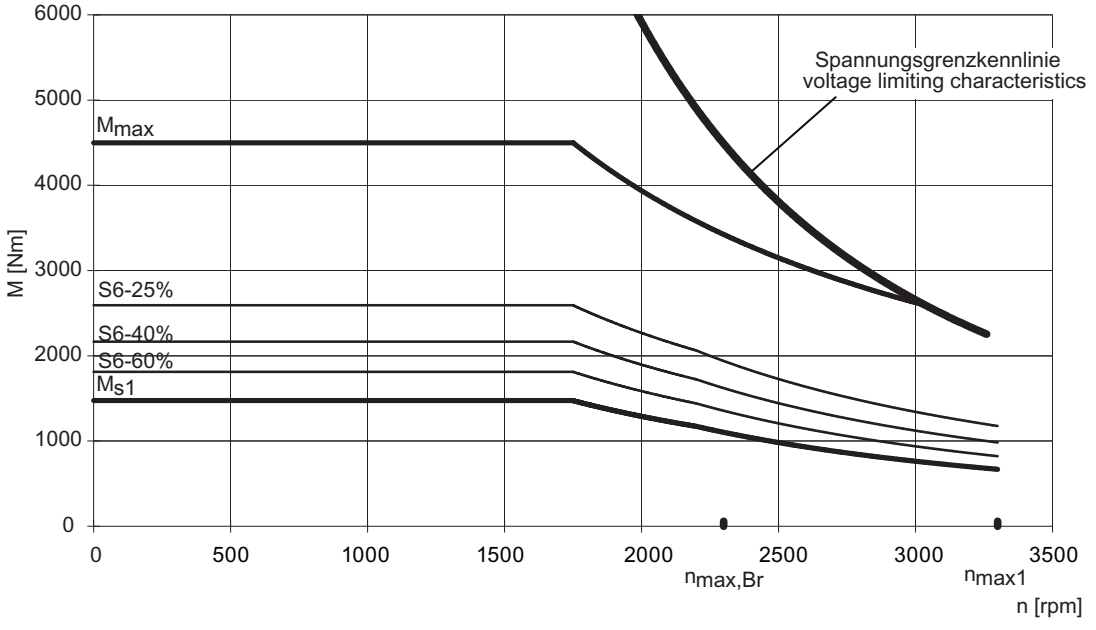
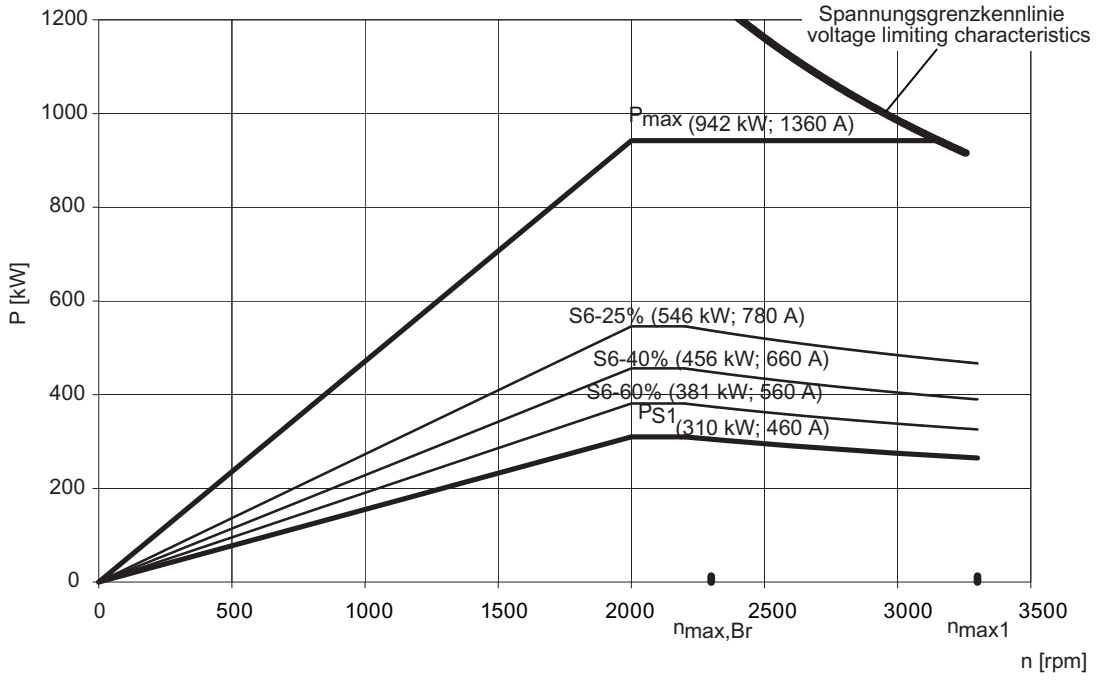


Table 2-252 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□F1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	310	1,481	460	3,300	-	-	2,300	2,200	4,500	1,360	1,481	460



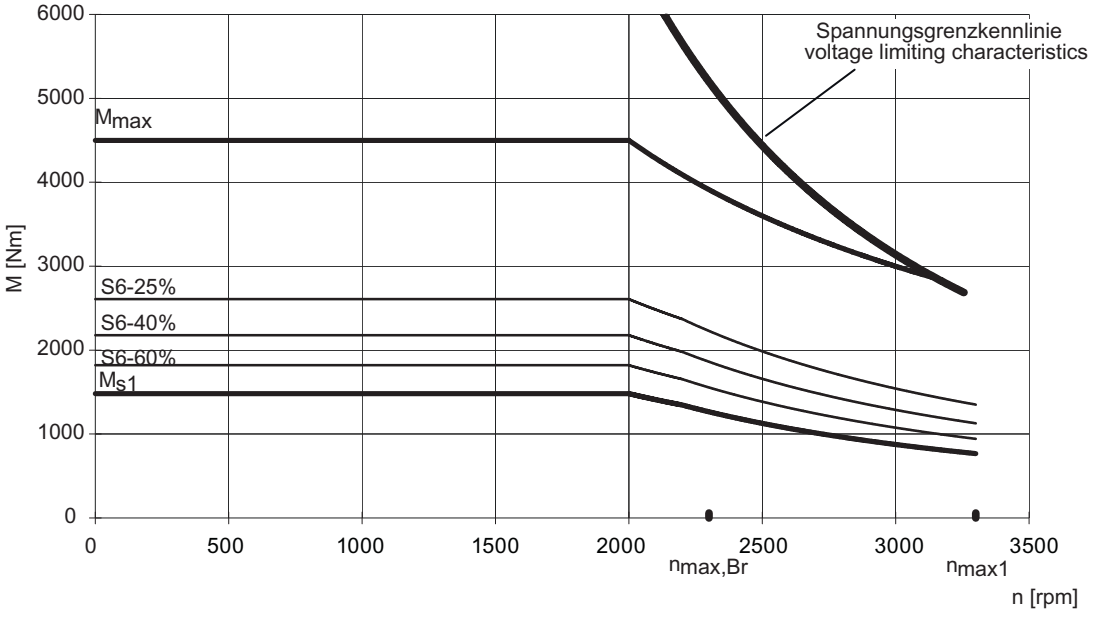


Table 2-253 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8286-□□F1□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,200	279	1,211	395	3,300	-	-	2,300	2,400	4,500	1,360	1,592	395

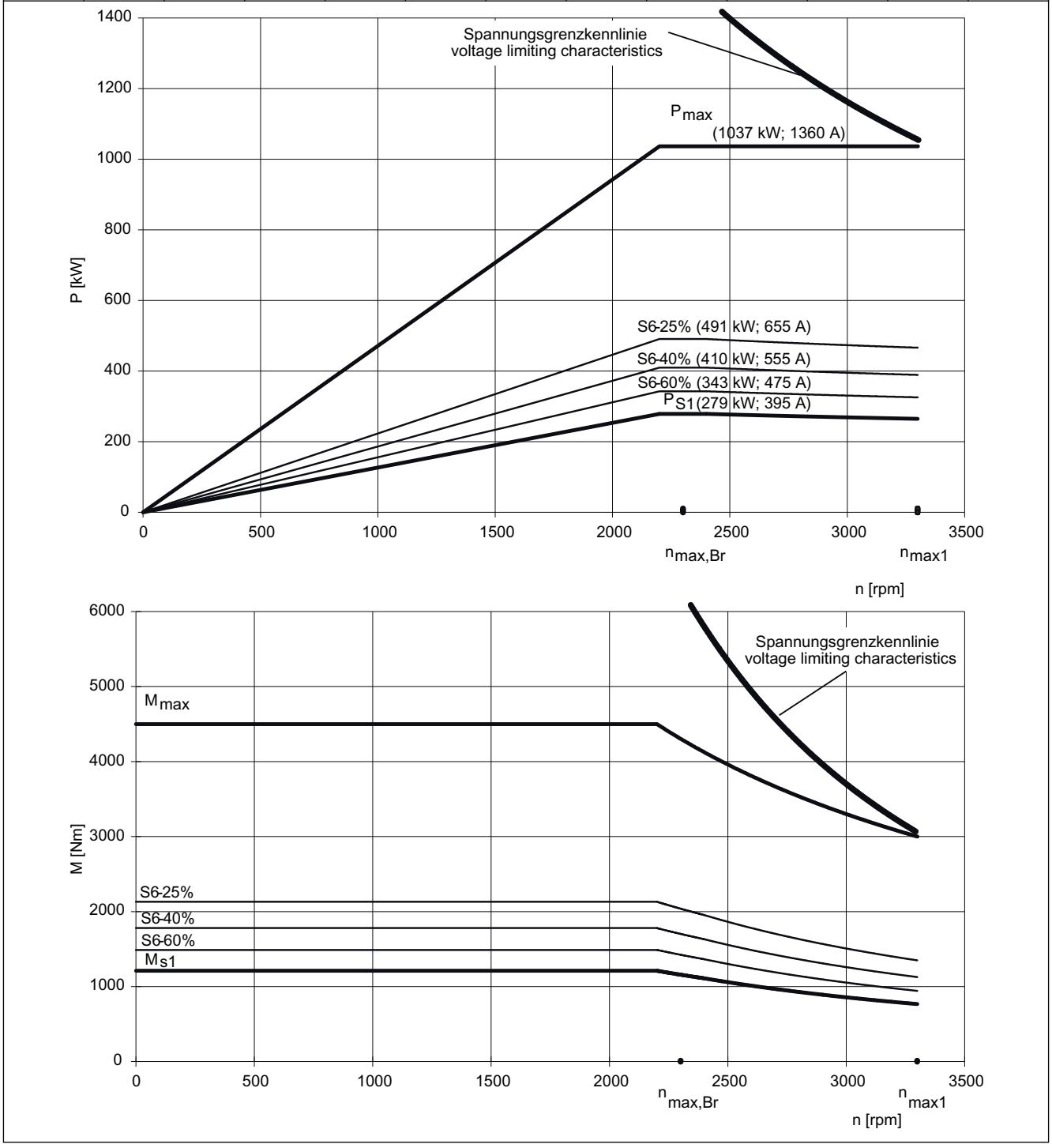
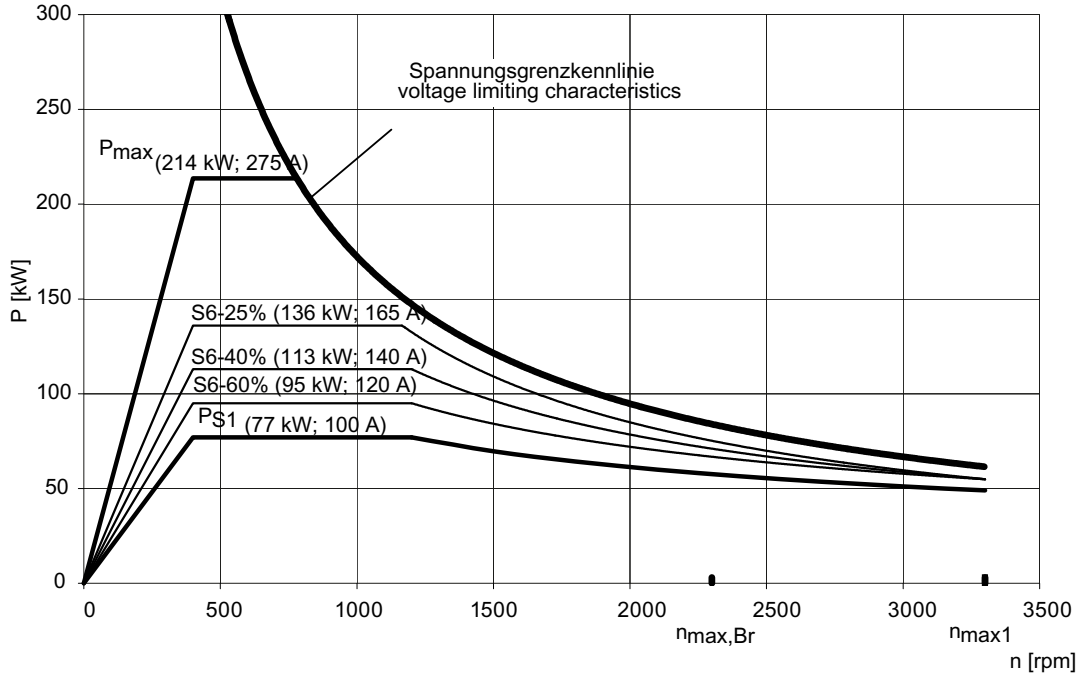


Table 2-254 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8286-□□H1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	77	1,838	100	3,300	-	-	2,300	1,200	5,100	275	1,838	100



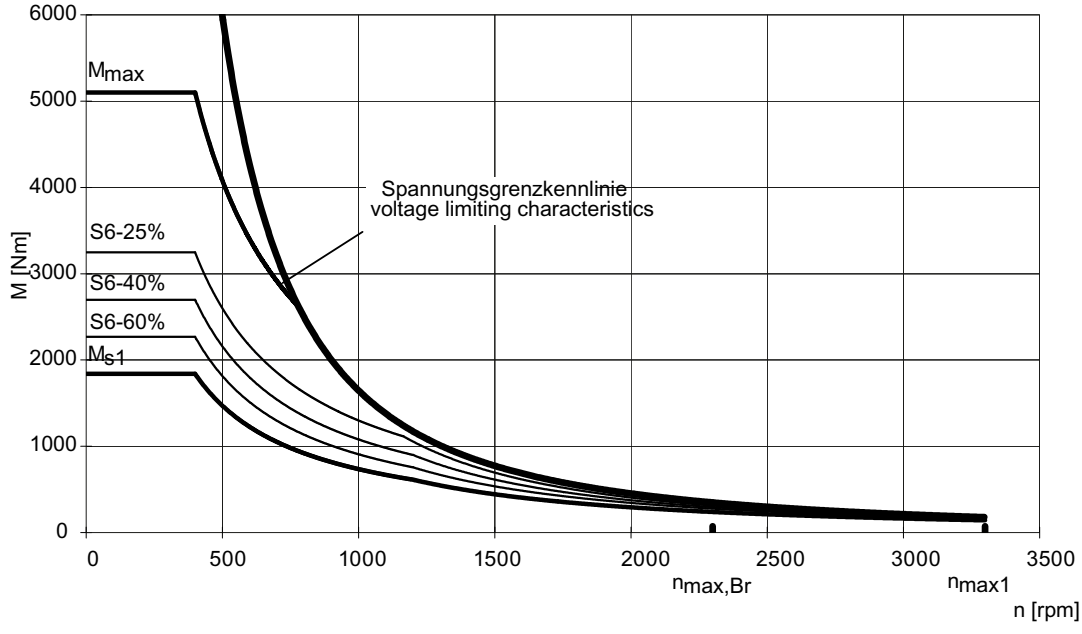
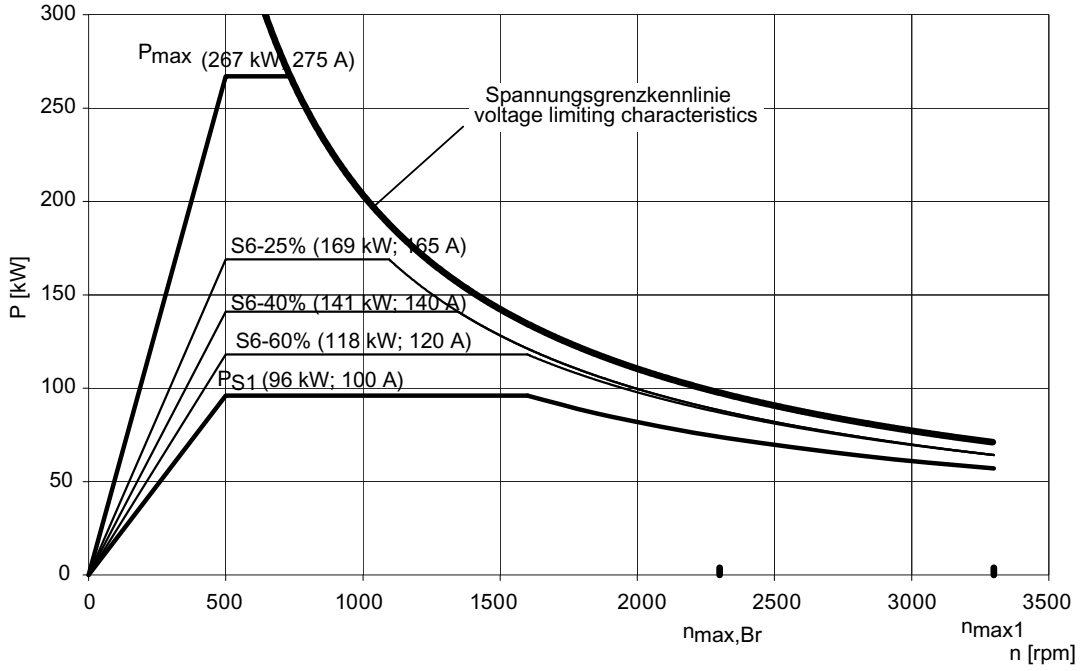


Table 2-255 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8286-□□H1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	96	1,834	100	3,300	-	-	2,300	1,600	5,100	275	1,834	100
400	77	1,838	100					2,200				



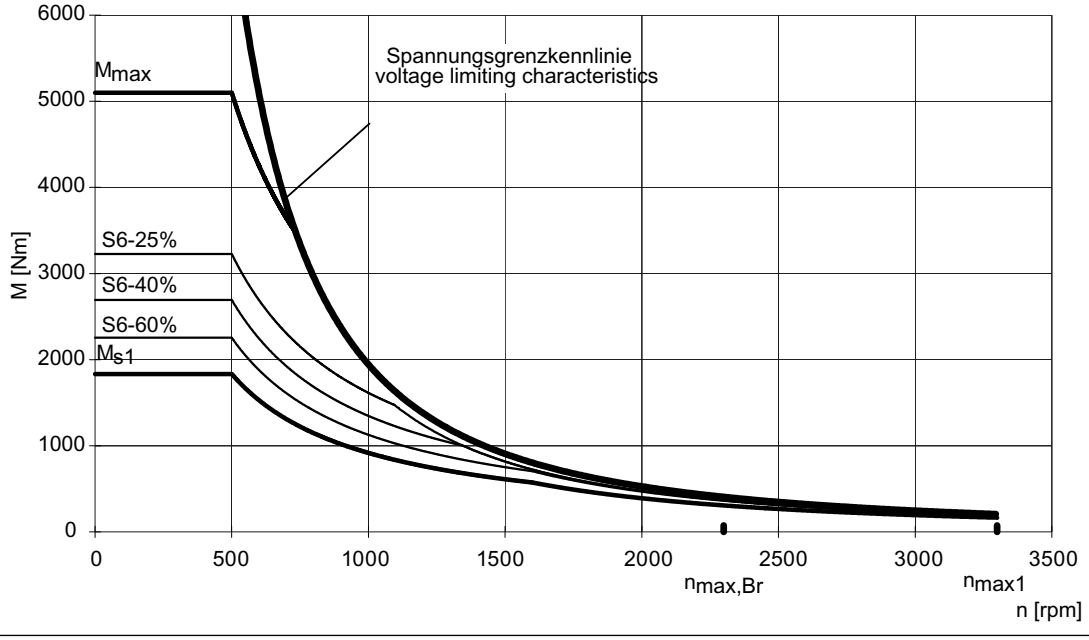
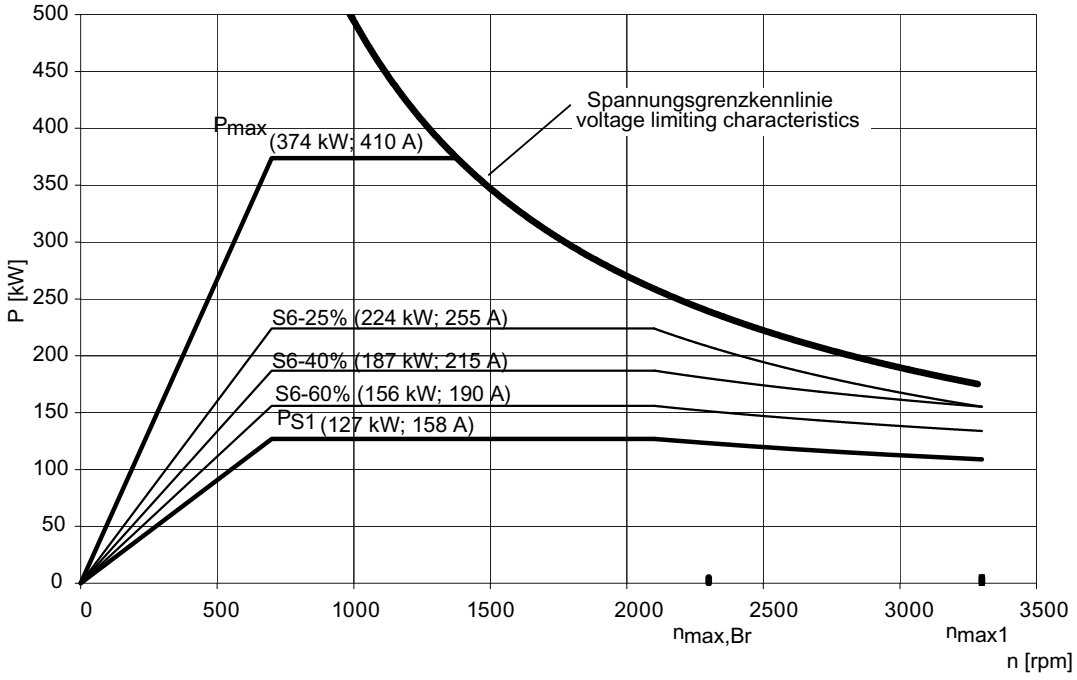


Table 2-256 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8286-□□K1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	127	1,733	158	3,300	-	-	2,300	2,100	5,100	410	1,733	158



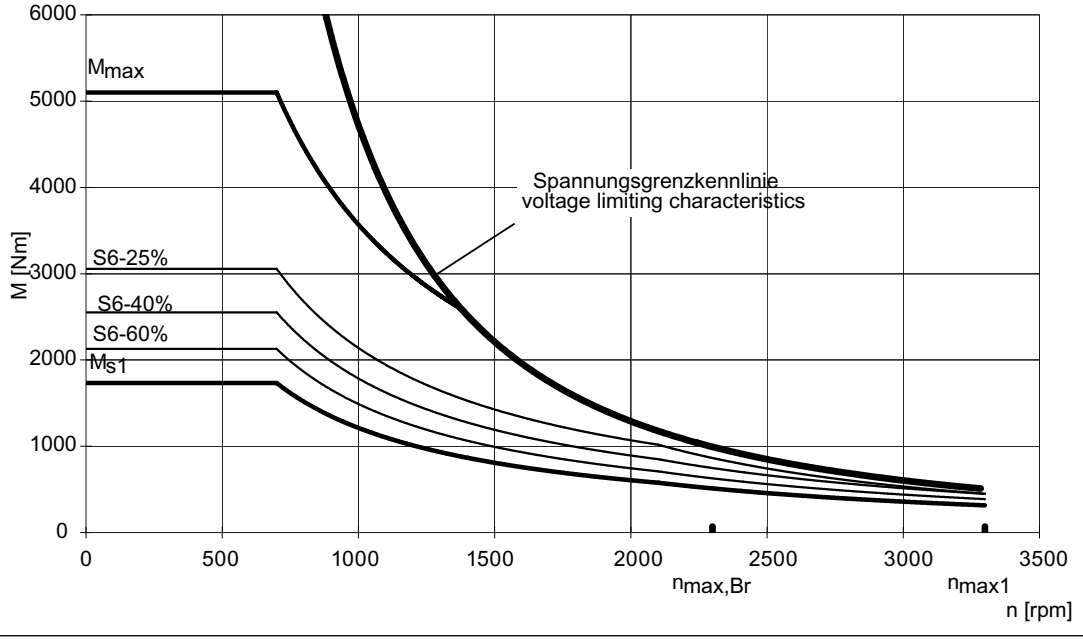
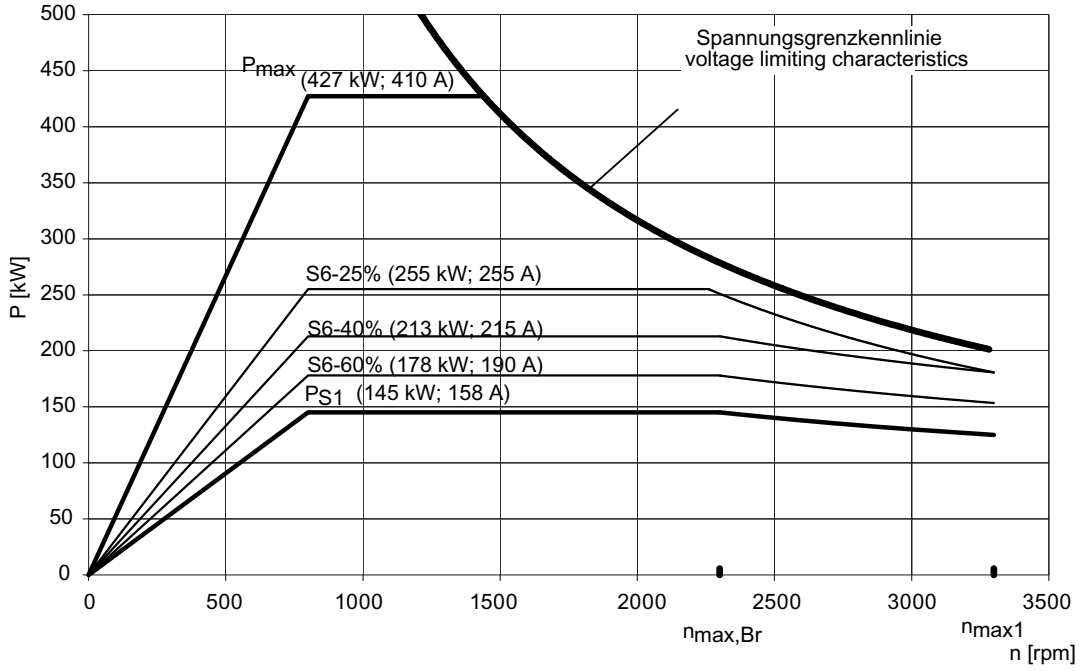


Table 2-257 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8286-□□K1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	145	1,731	158	3,300	-	-	2,300	2,300	5,100	410	1,731	158
700	127	1,733	158					3,200				



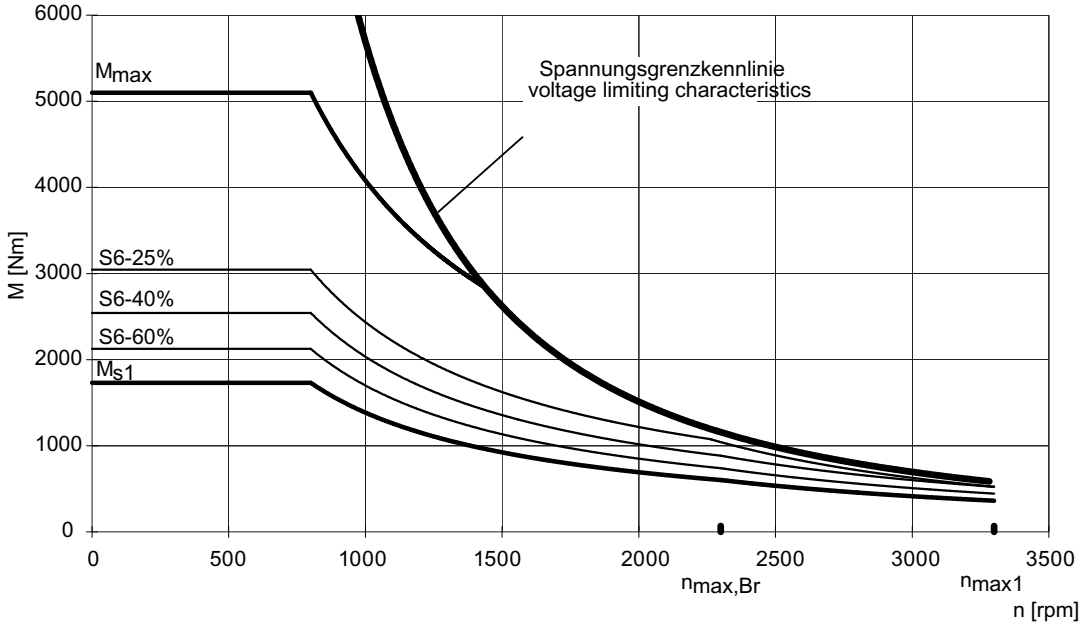
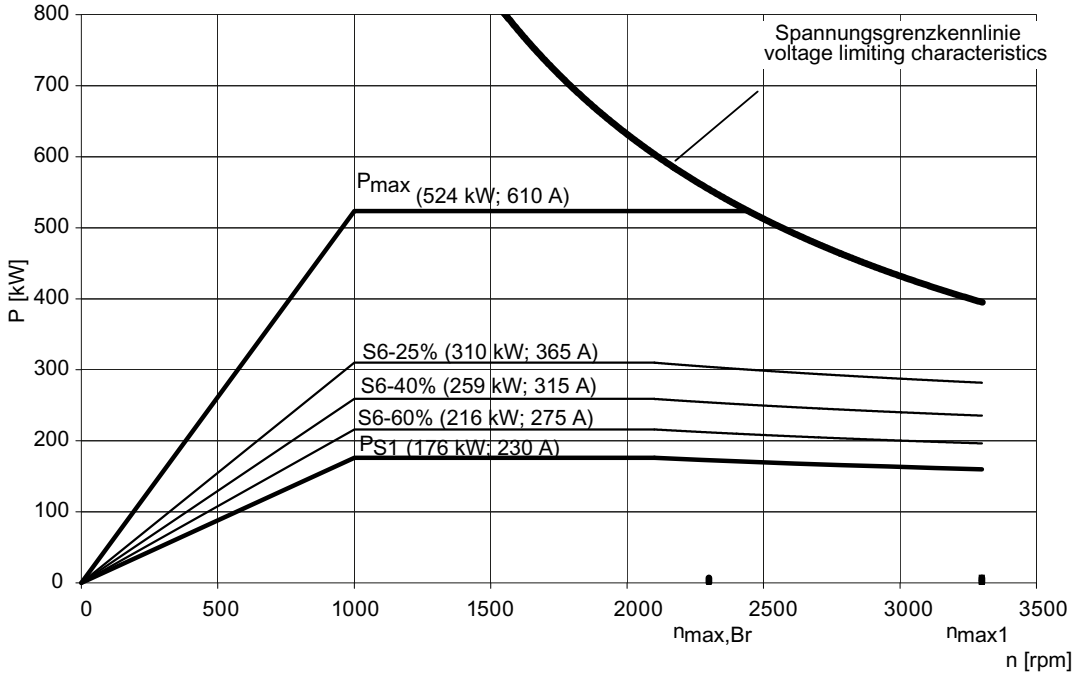


Table 2-258 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8286-□□U1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	176	1,681	230	3,300	-	-	2,300	2,100	5,000	610	1,681	230



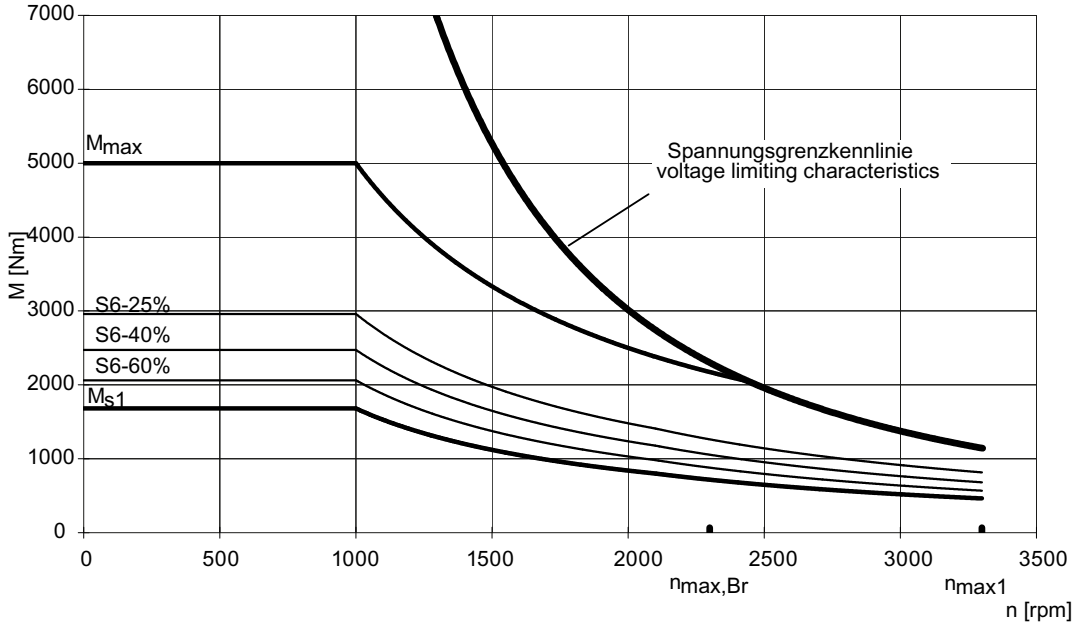
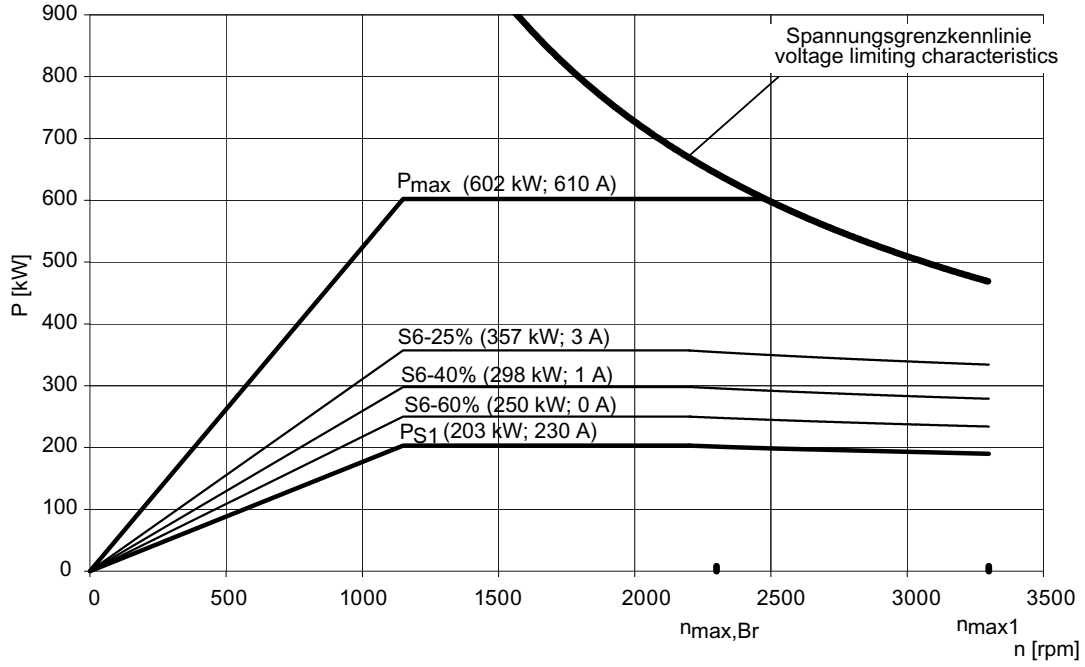


Table 2-259 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8286-□□U1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	203	1,686	230	3,300	-	-	2,300	2,200	5,000	610	1,686	230
1,000	176	1,681	230					3,300				



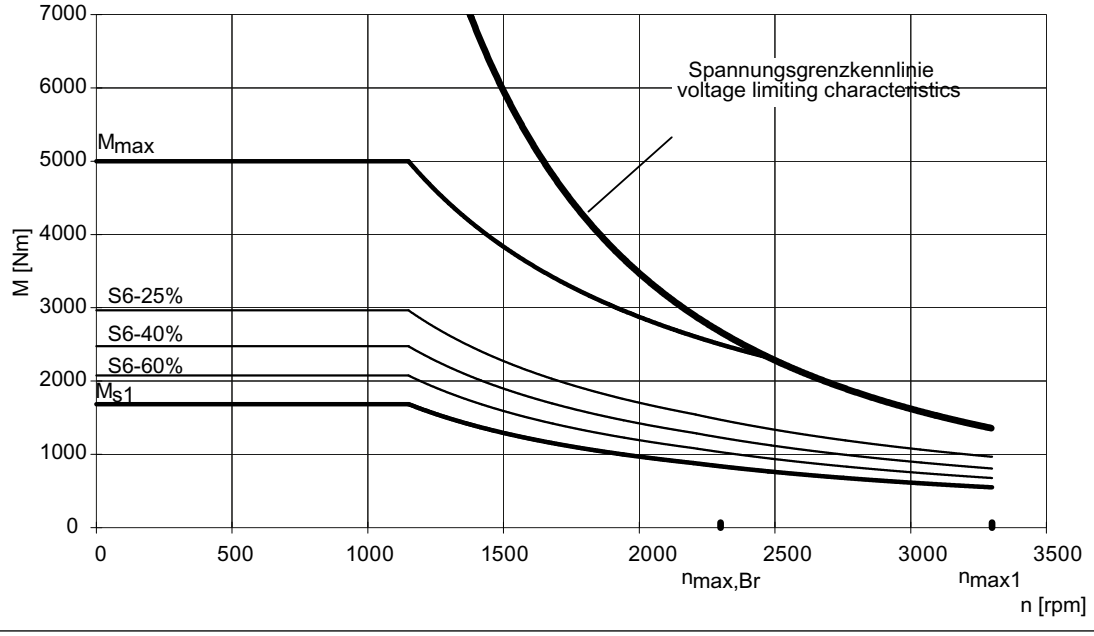
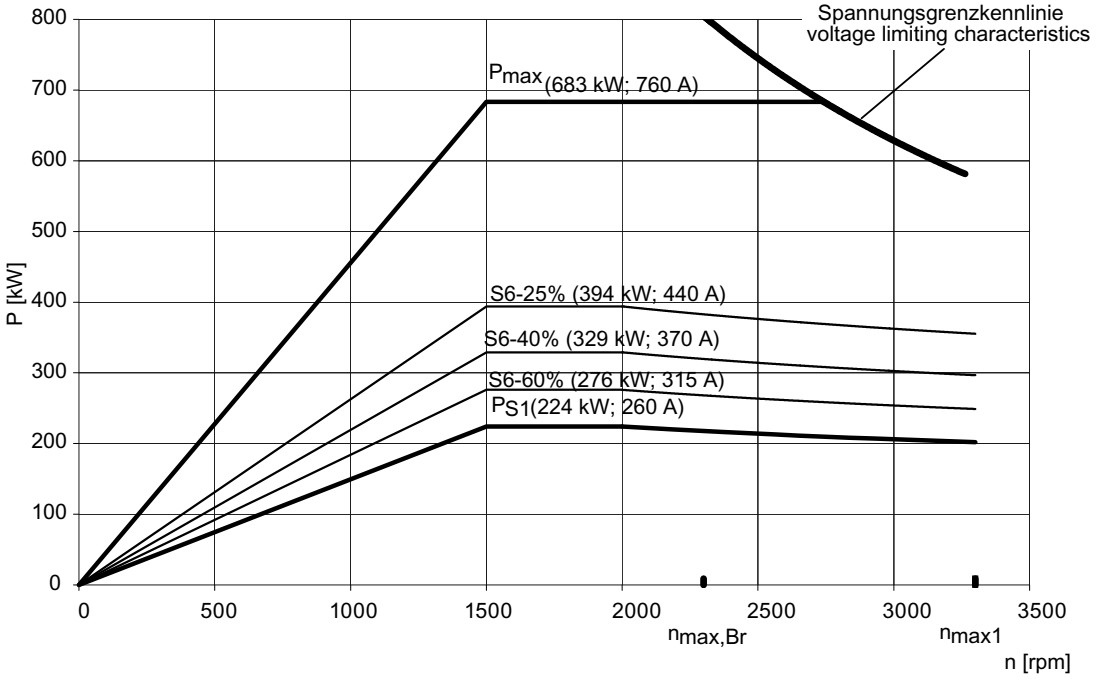


Table 2-260 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8286-□□W1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	224	1,426	260	3,300	-	-	2,300	2,000	4,350	760	1,426	260



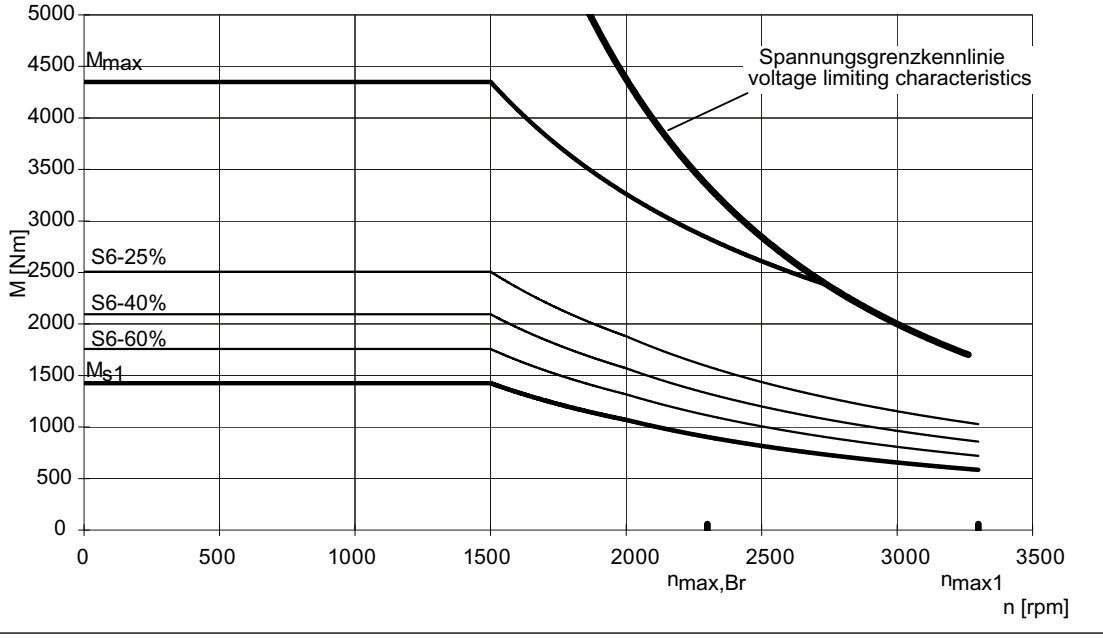
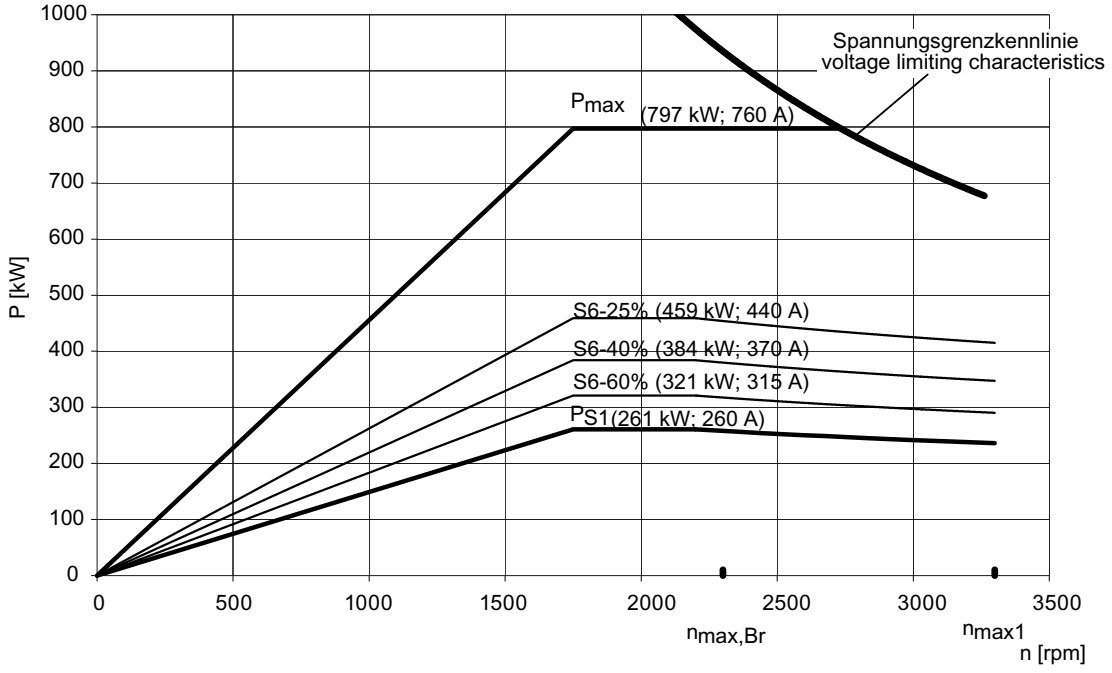


Table 2-261 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8286-□□W1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	261	1,424	260	3,300	-	-	2,300	2,200	4,350	760	1,424	260
1,500	224	1,426	260					3,300				



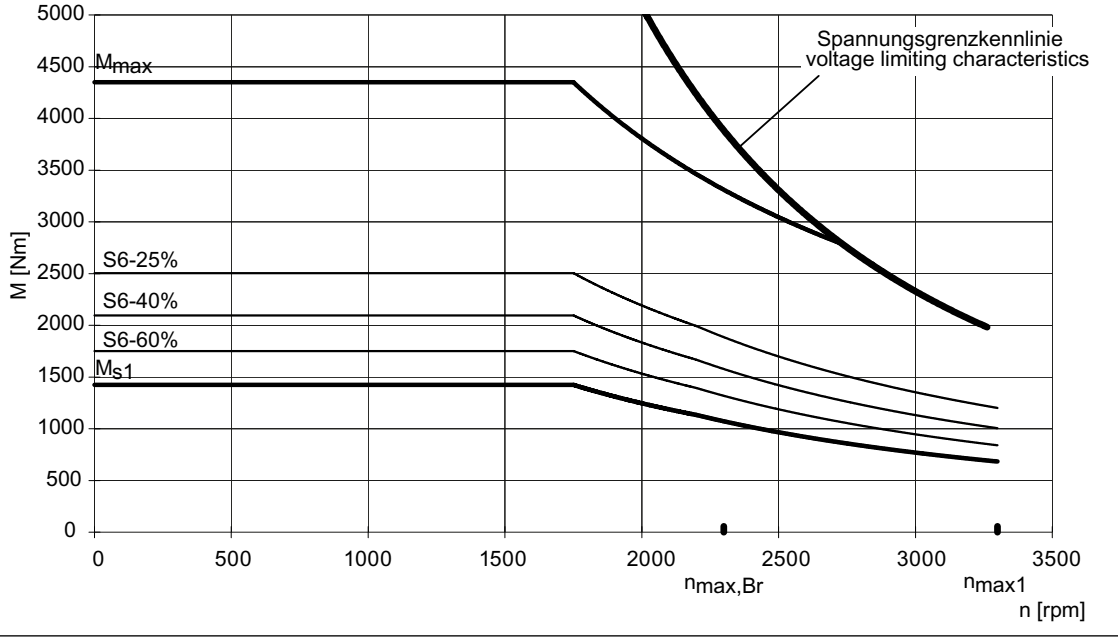
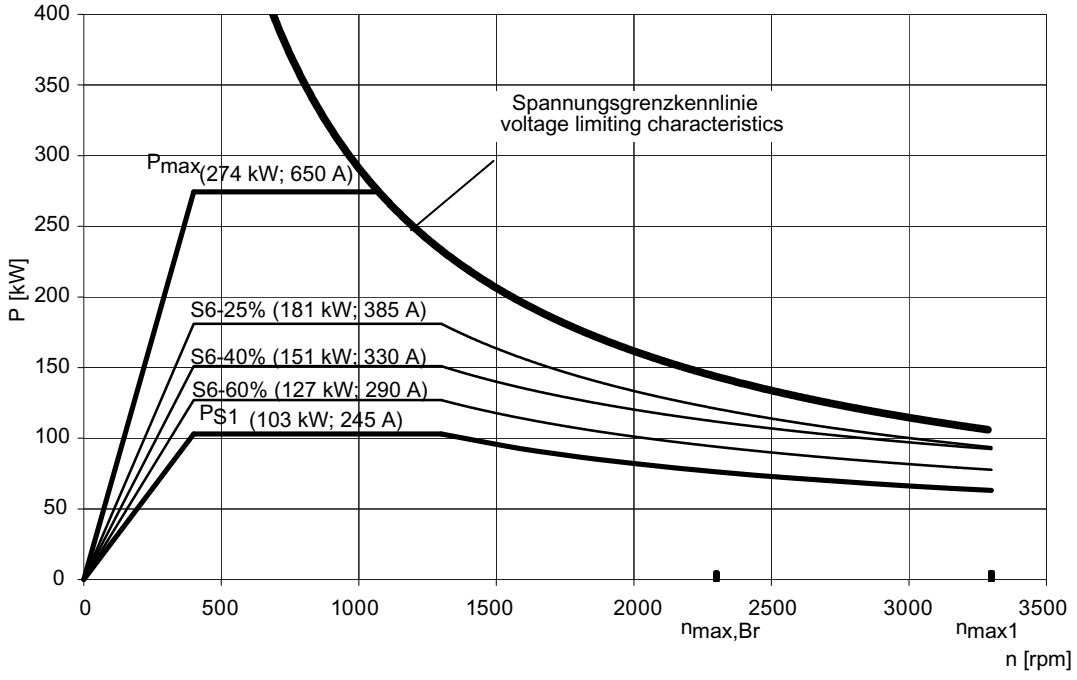


Table 2-262 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□B1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	103	2,459	245	3,300	-	-	2,300	1,300	6,550	650	2,459	245



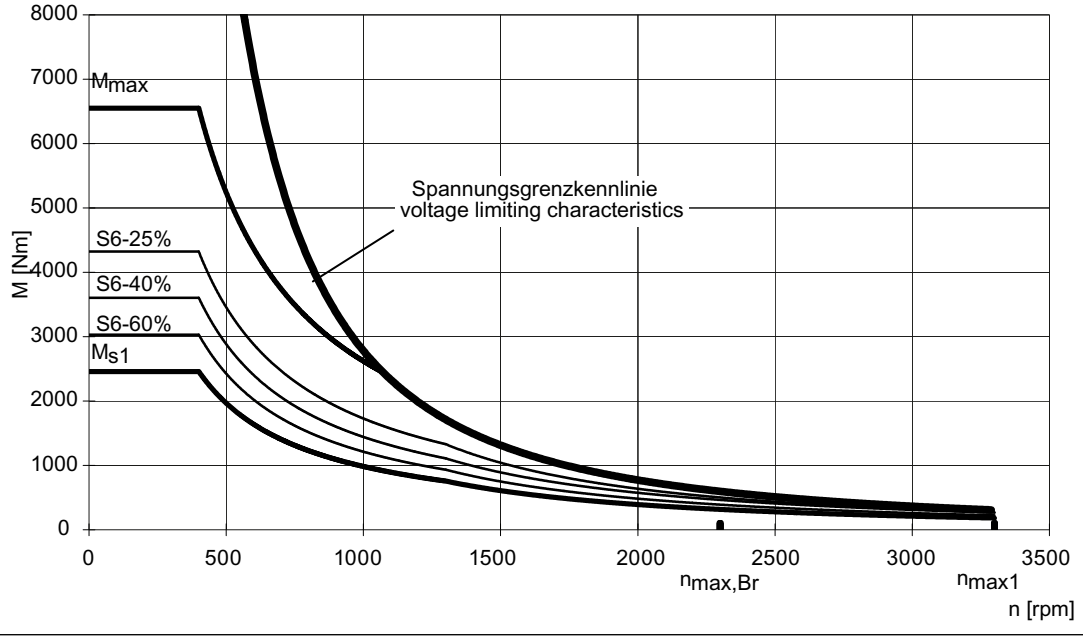
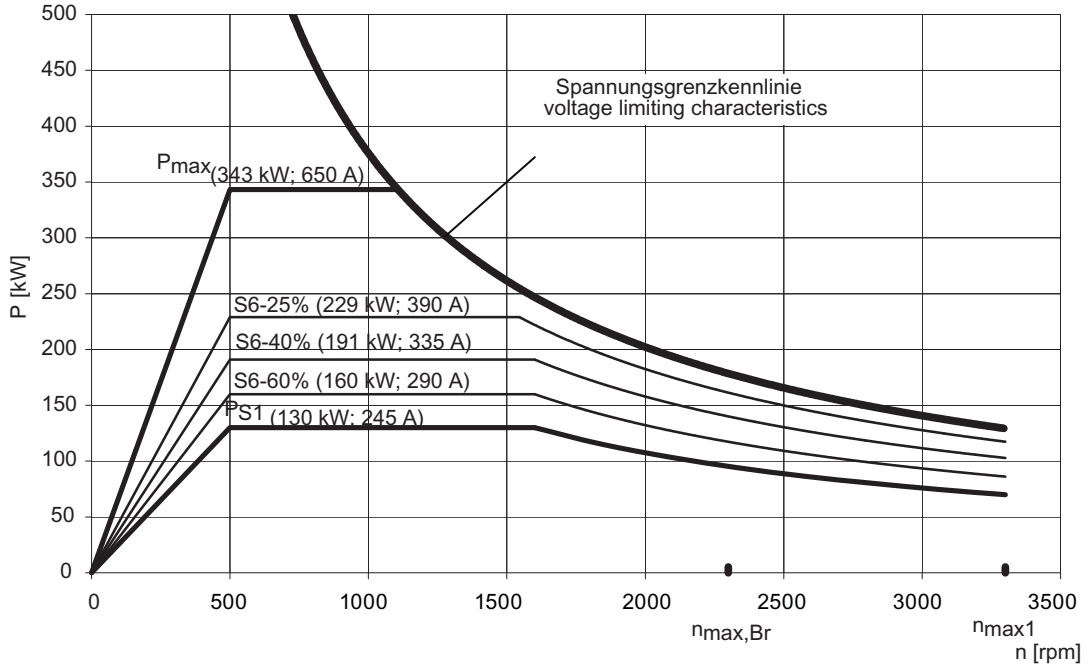


Table 2-263 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8288-□□B1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	130	2,481	245	3,300	-	-	2,300	1,600	6,550	650	2,481	245
400	104	2,481	245					2,100				



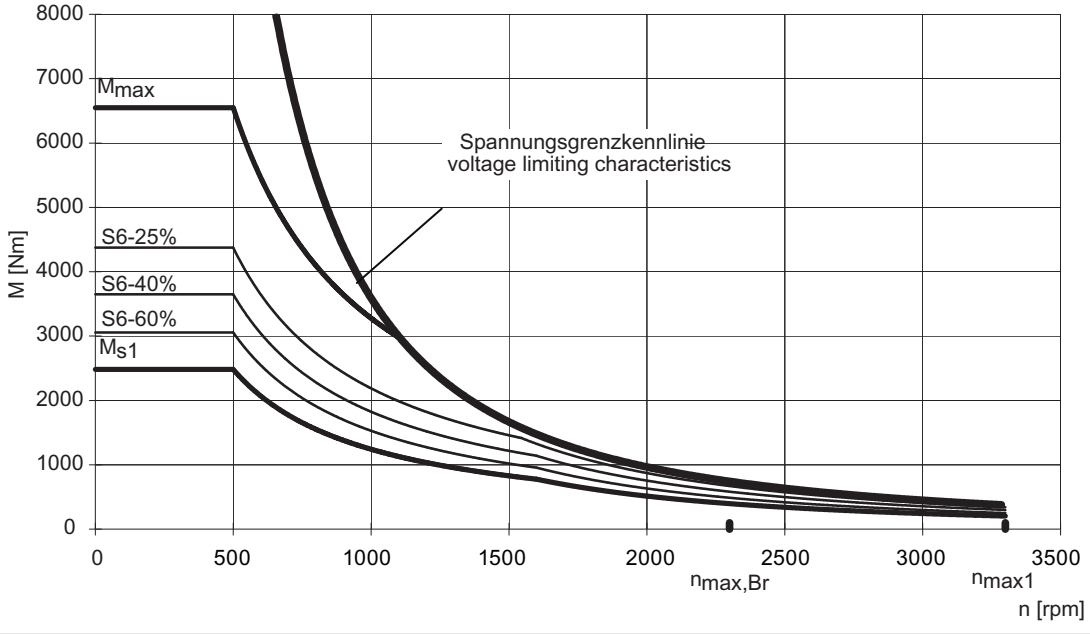
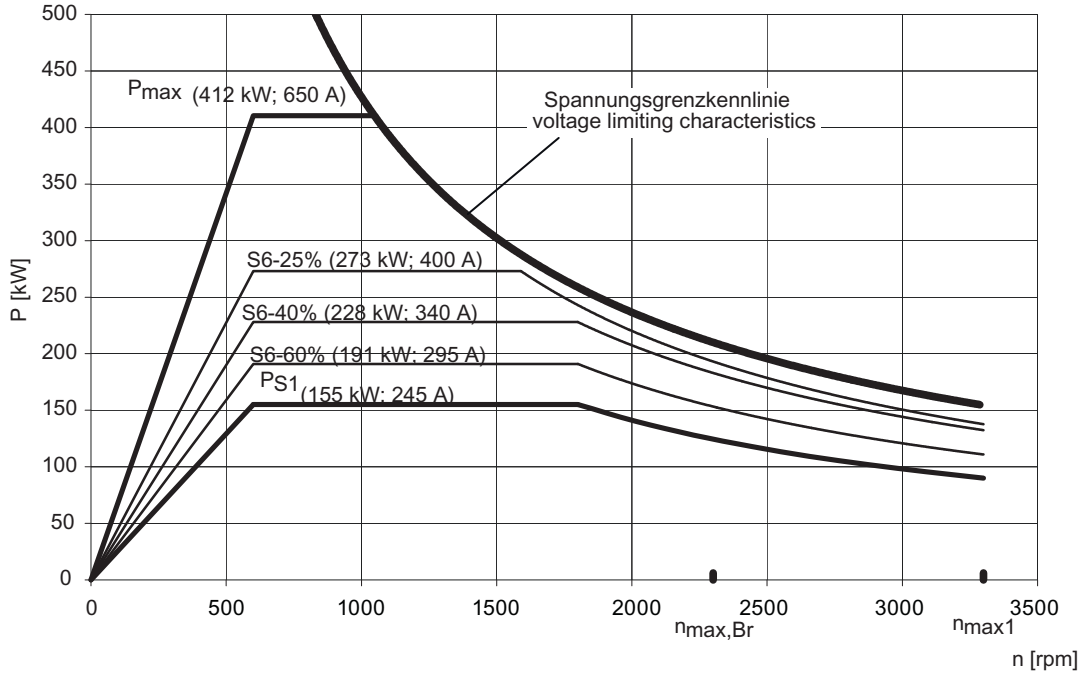


Table 2-264 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□B1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	155	2,474	245	3,300	-	-	2,300	1,800	6,550	650	2,474	245



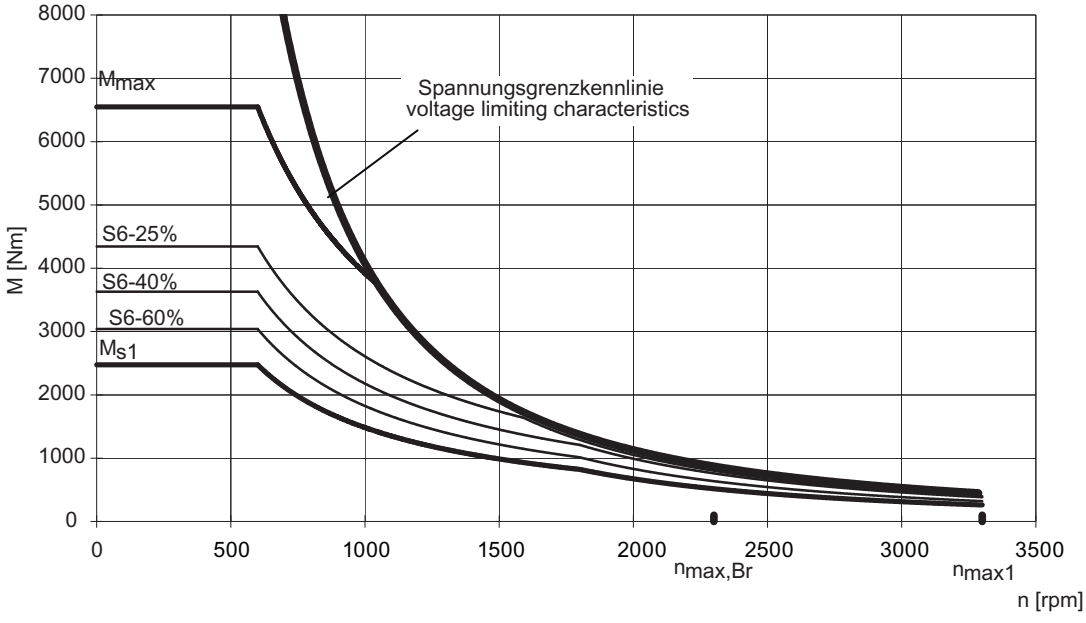


Table 2-265 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8288-□□B1□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	165	2,251	230	3,300	-	-	2,300	1,600	6,550	650	2,459	230

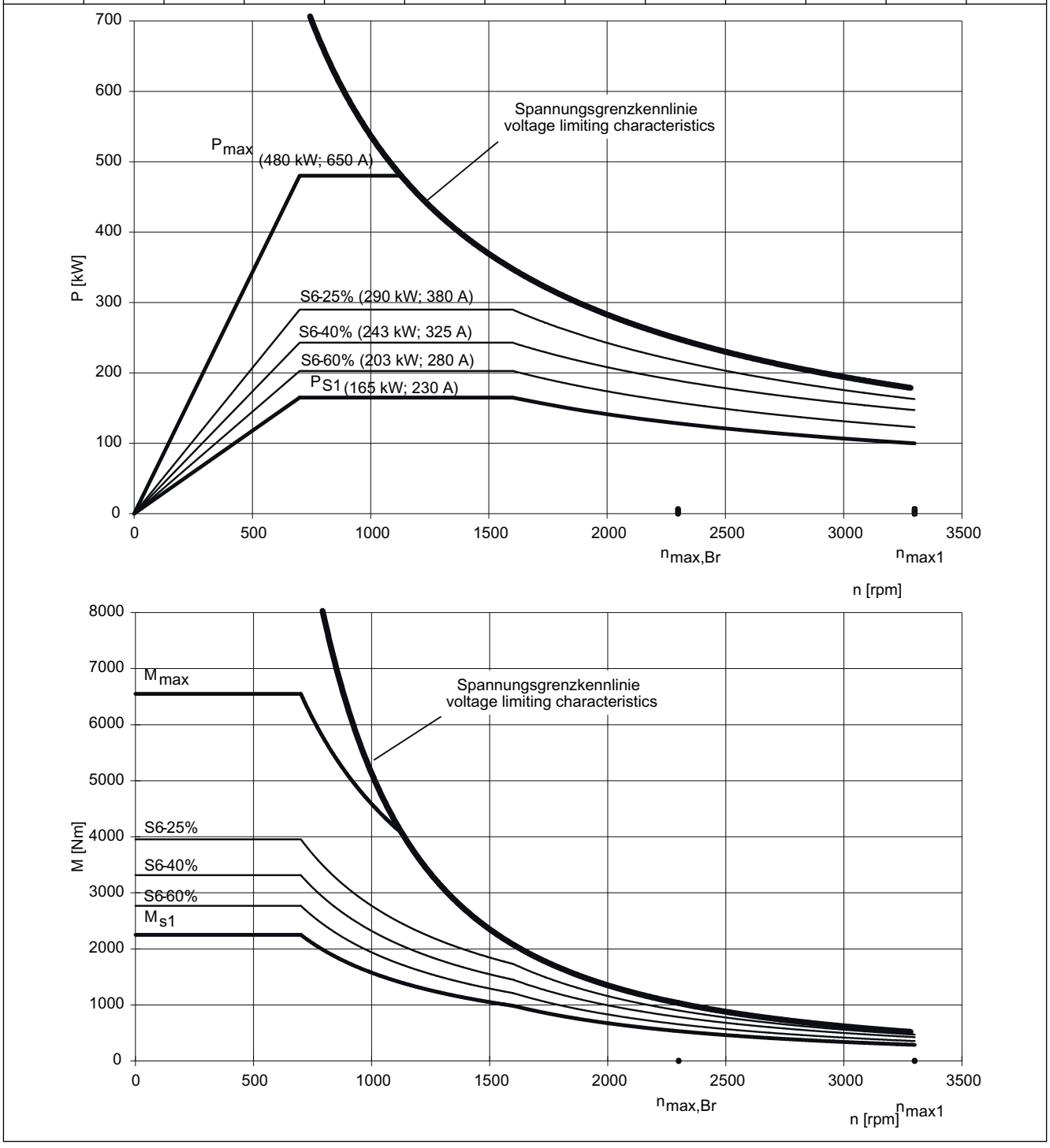
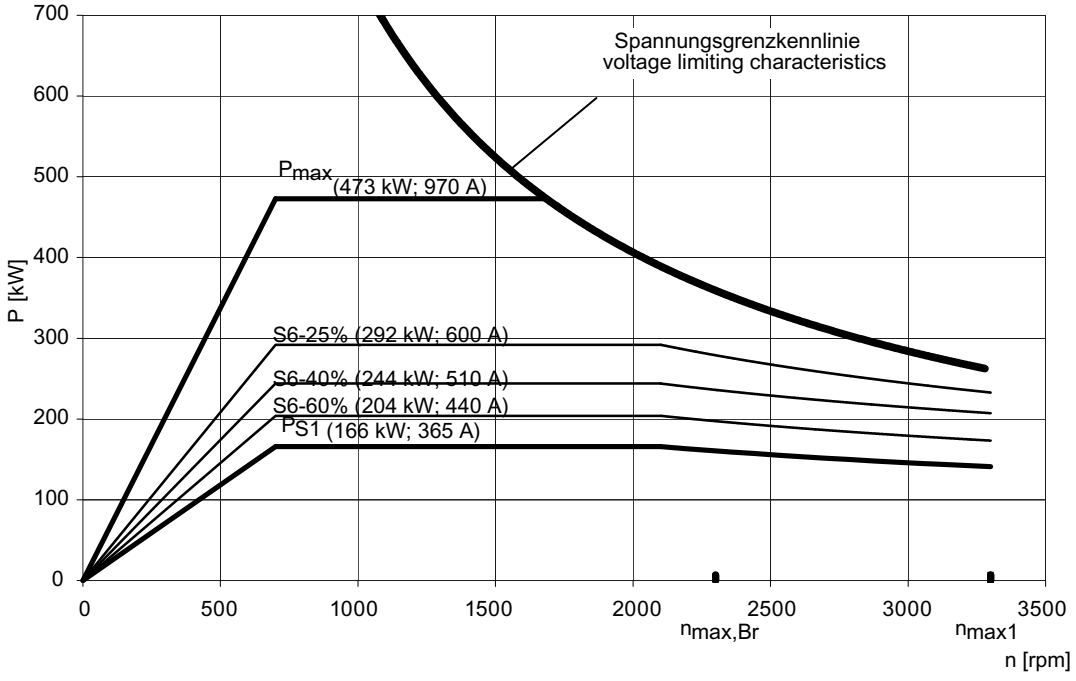


Table 2-266 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□C1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	166	2,265	365	3,300	-	-	2,300	2,100	6,450	970	2,265	365



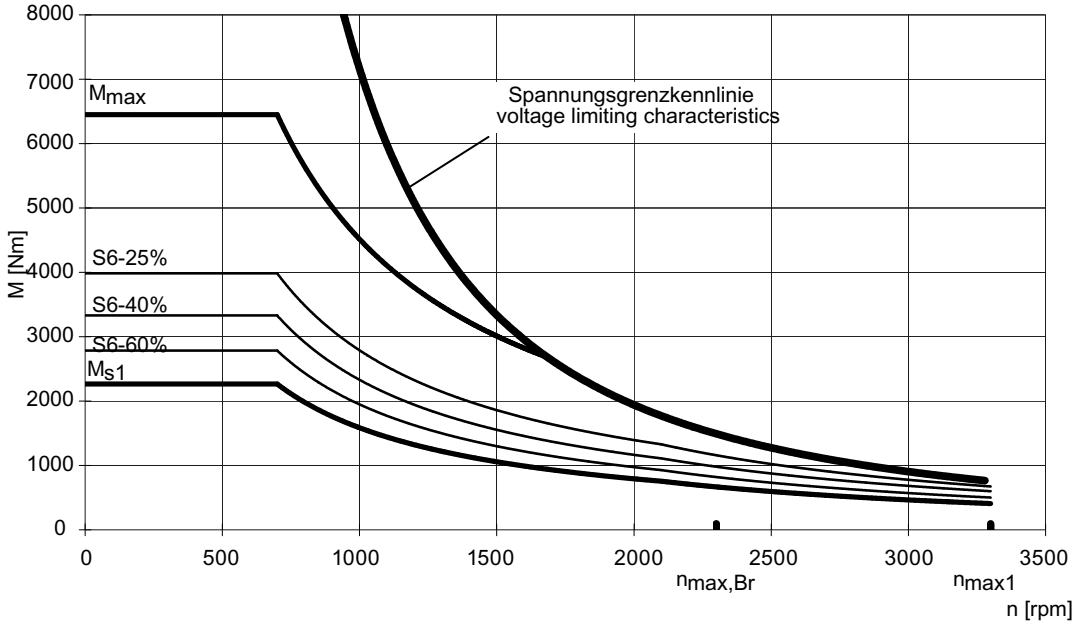
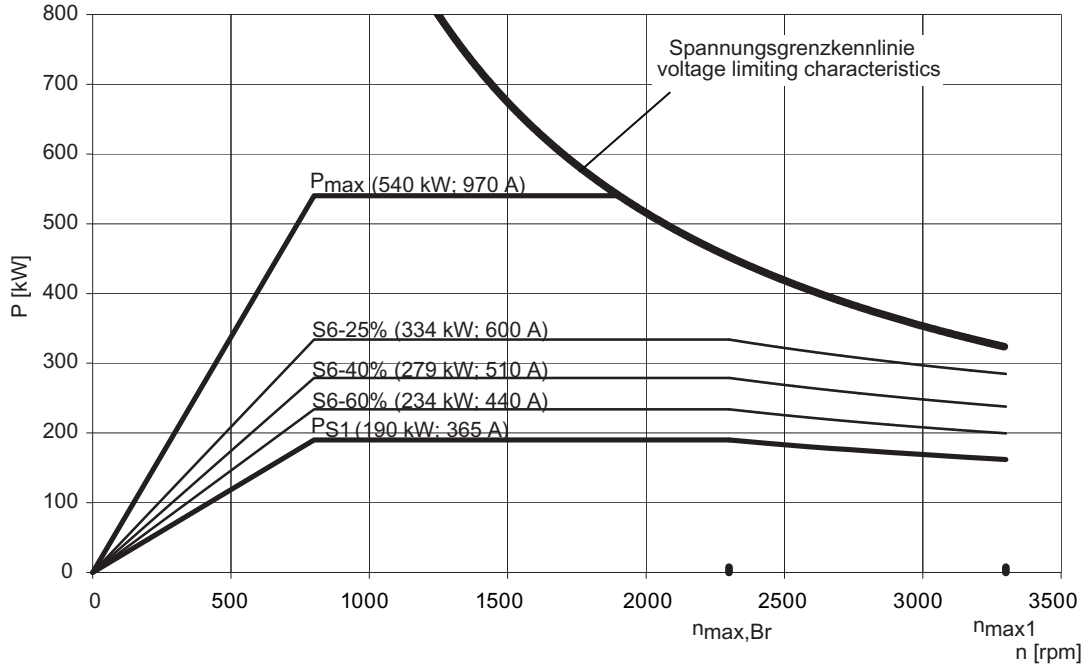


Table 2-267 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8288-□□C1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	190	2,268	365	3,300	-	-	2,300	2,300	6,450	970	2,268	365
700	166	2,268	365					3,100				



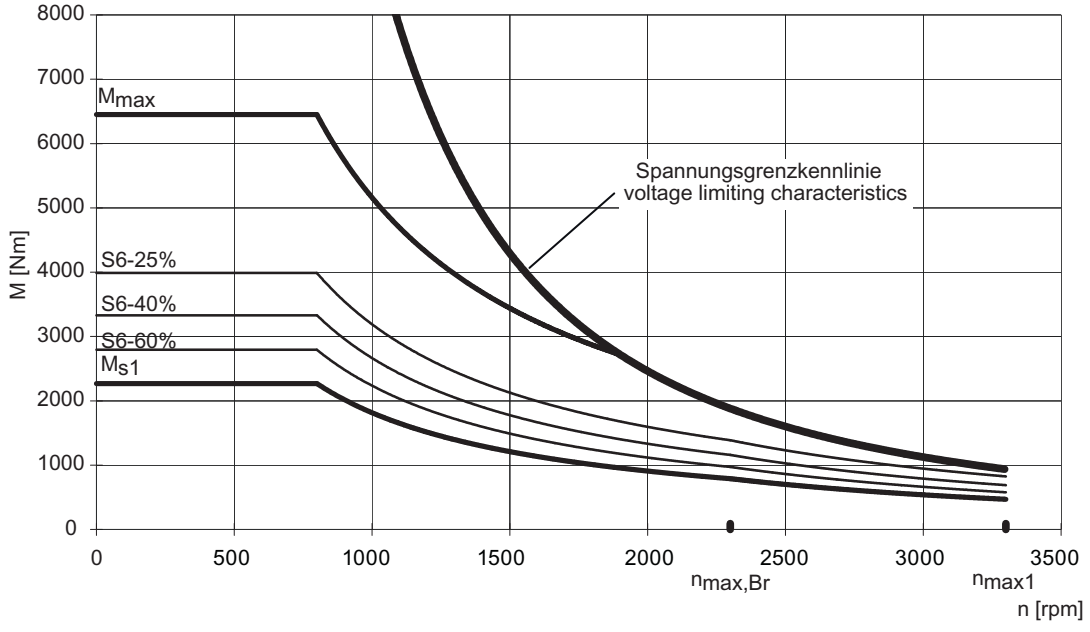
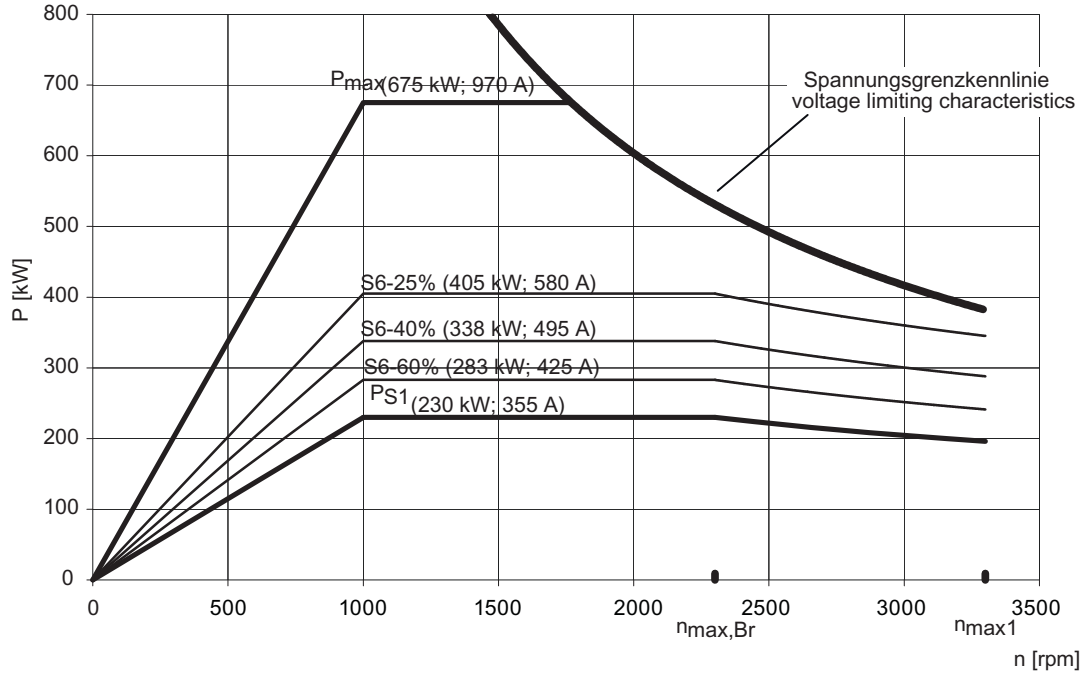


Table 2-268 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□C1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	230	2,197	355	3,300	-	-	2,300	2,300	6,450	970	2,197	355



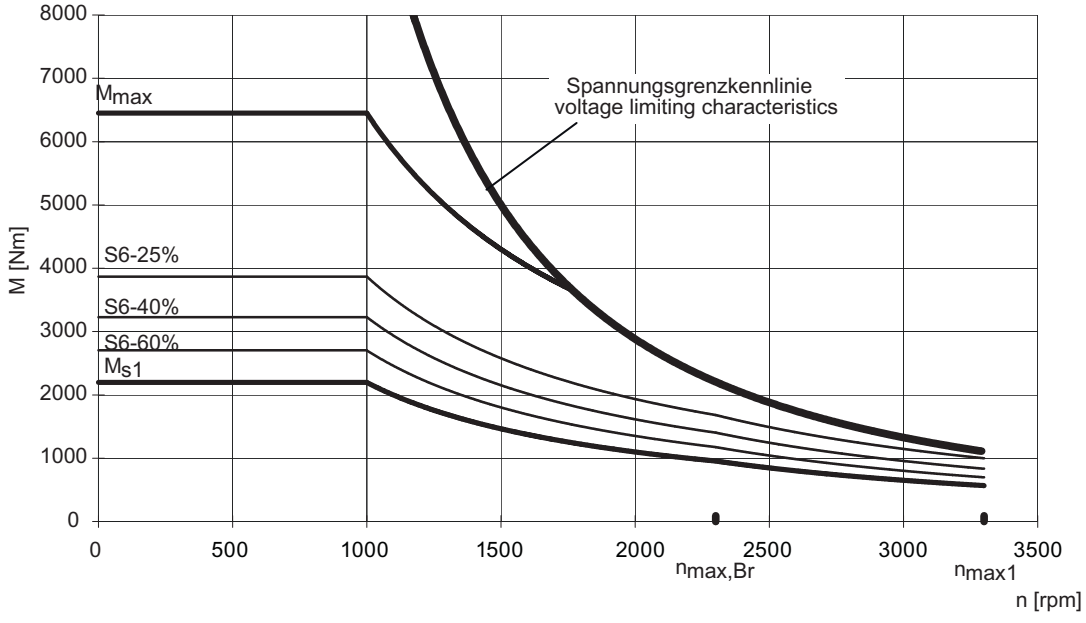


Table 2-269 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8288-□□C1□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,100	238	2,066	345	3,300	-	-	2,300	2,400	6,450	970	2,265	345

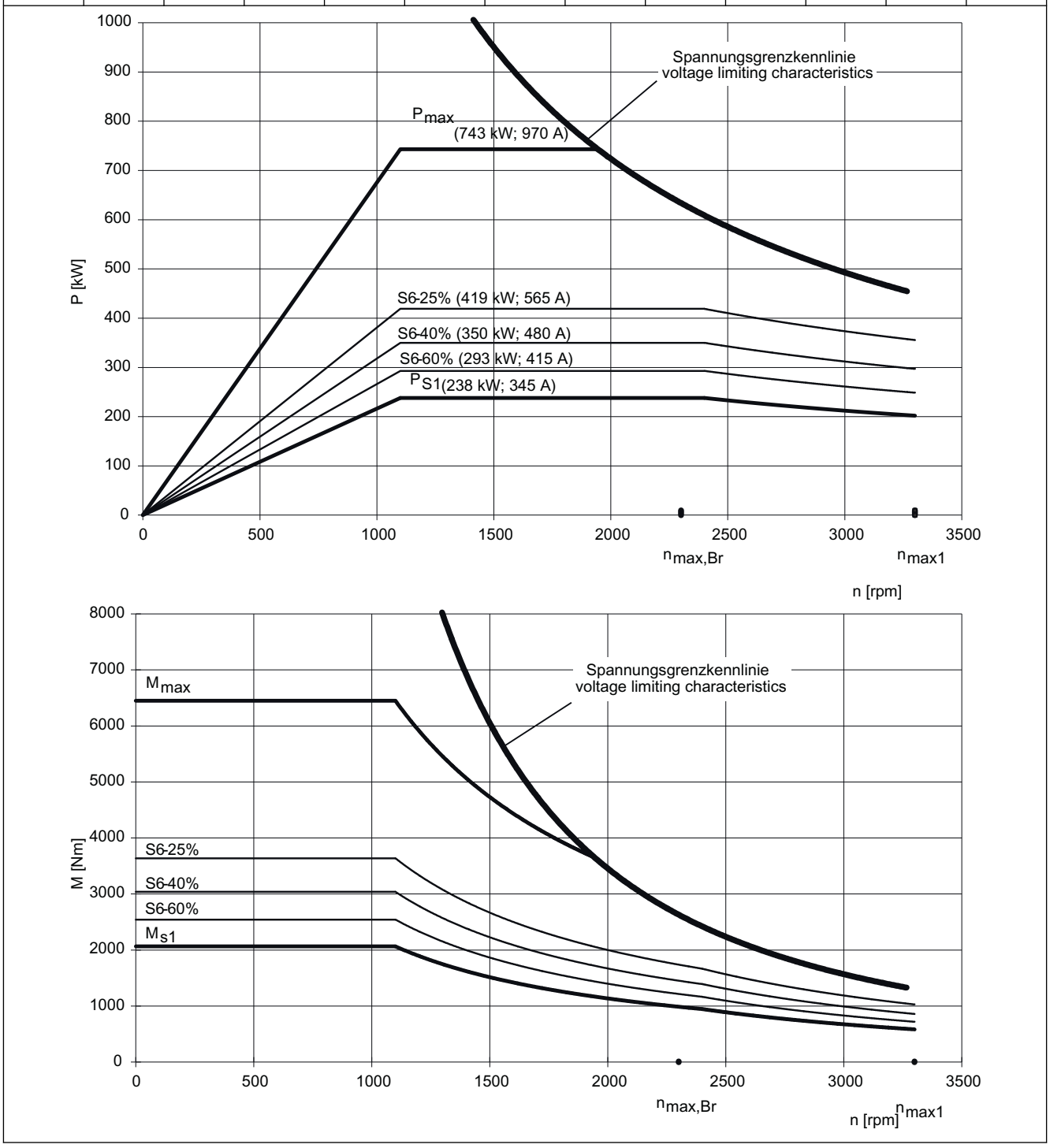


Table 2-270 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□D1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	226	2,158	495	3,300	-	-	2,300	2,100	6,350	1,300	2,158	495

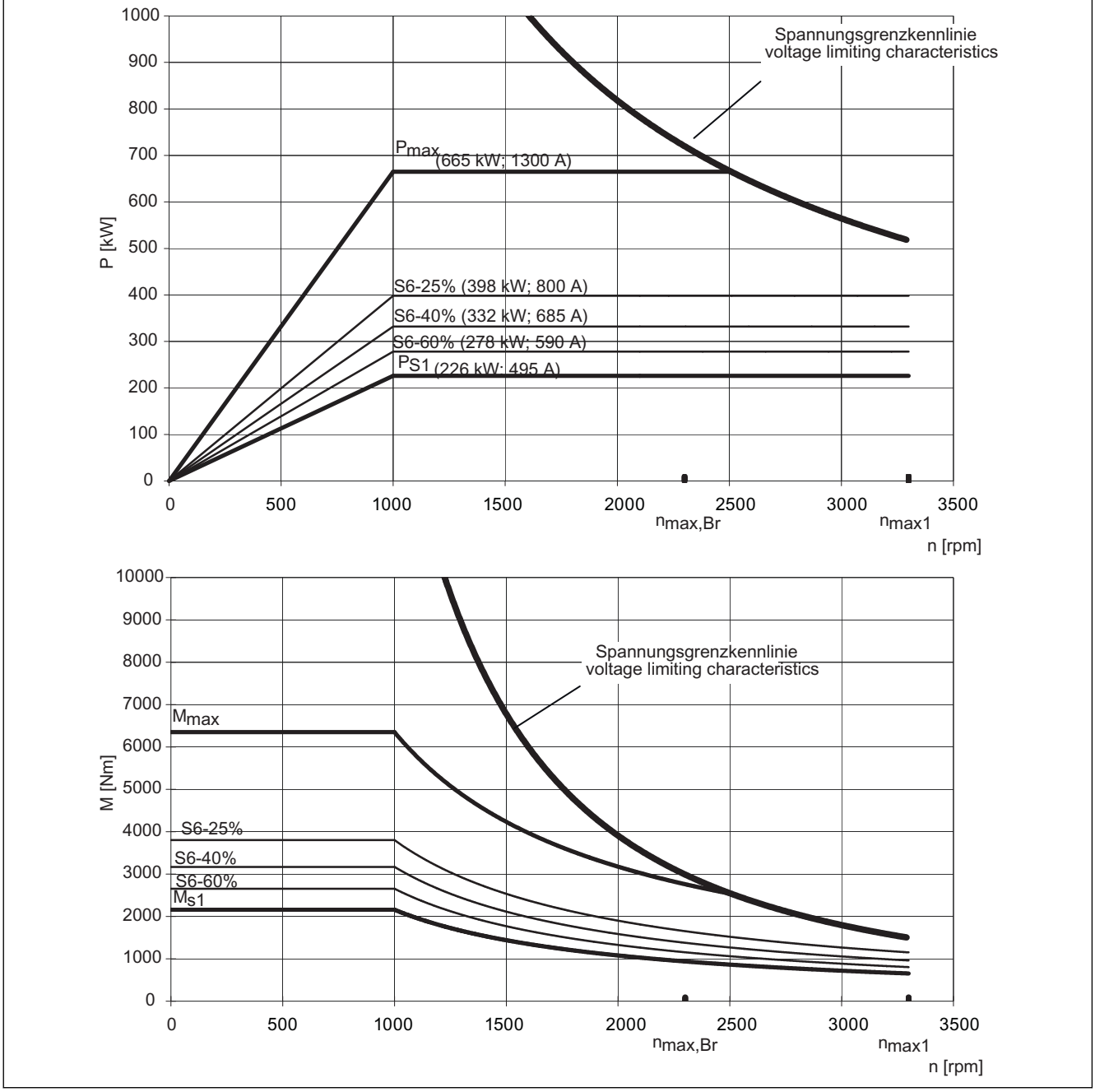
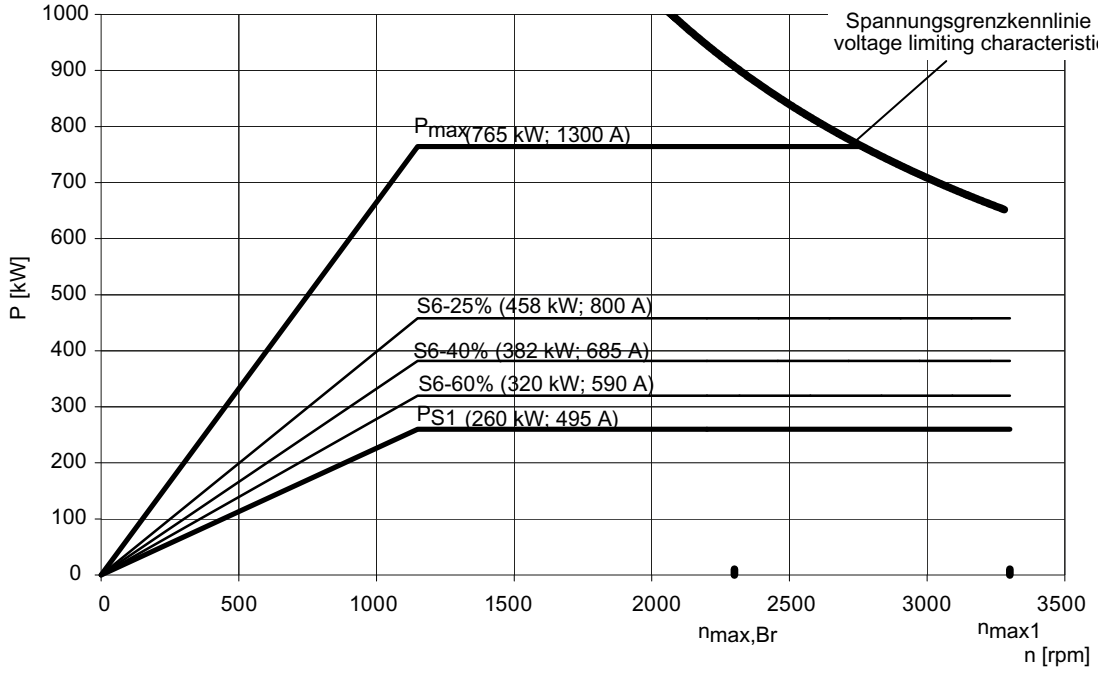


Table 2-271 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8288-□□D1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	260	2,160	495	3,300	-	-	2,300	2,200	6,350	1,300	2,160	495
1,000	226	2,160	495					3,300				



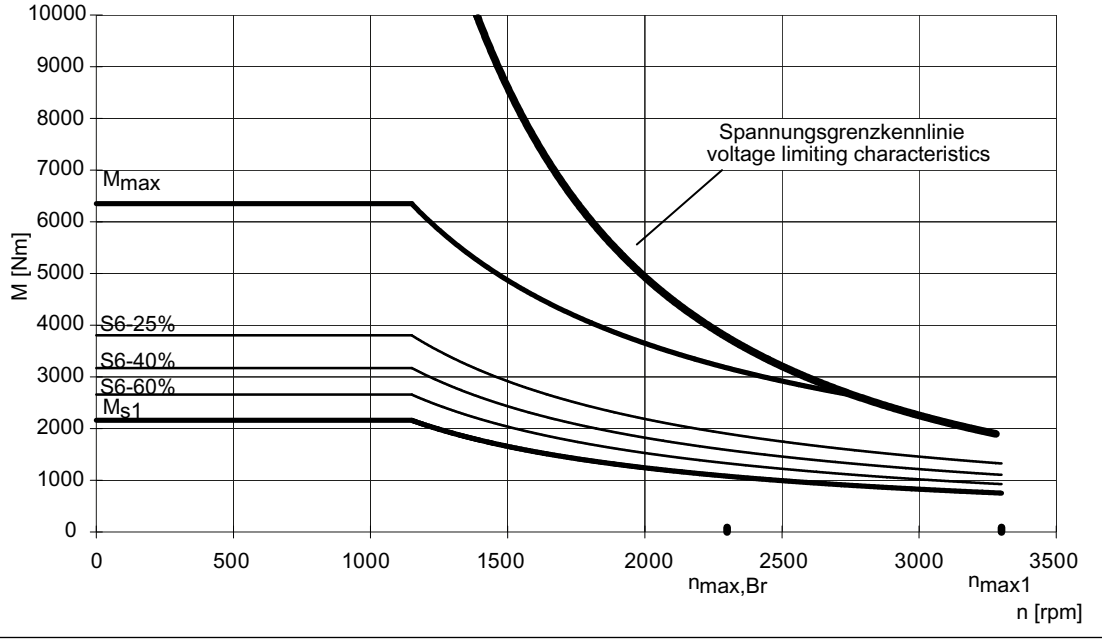
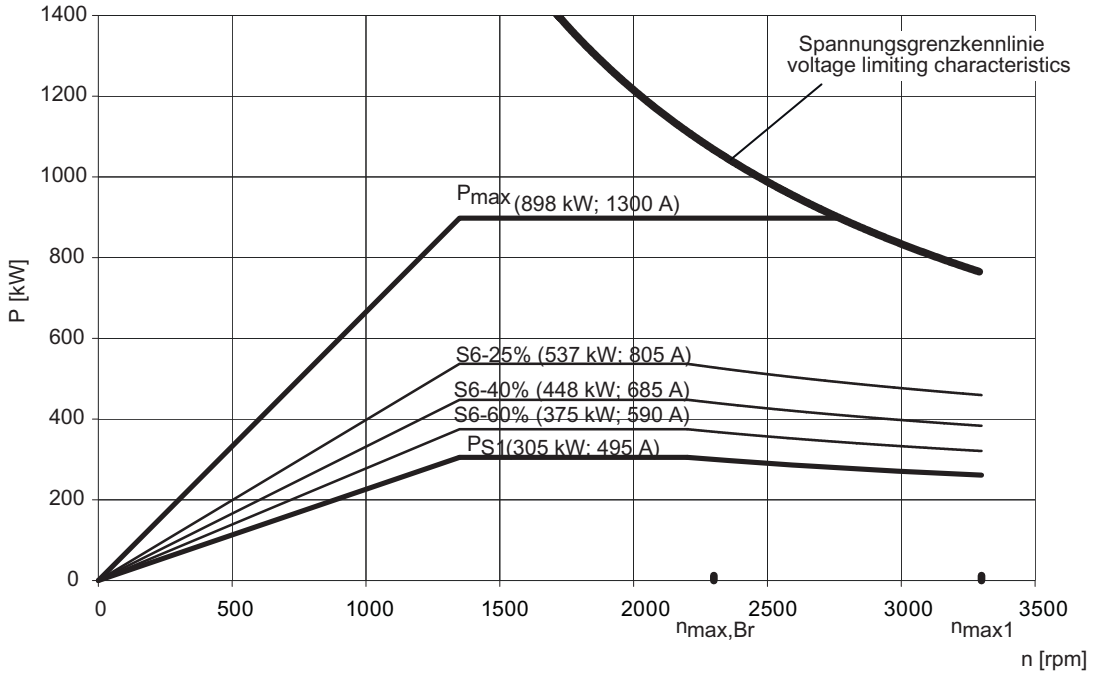


Table 2-272 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□D1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	305	2,158	495	3,300	-	-	2,300	2,200	6,350	1,300	2,158	495



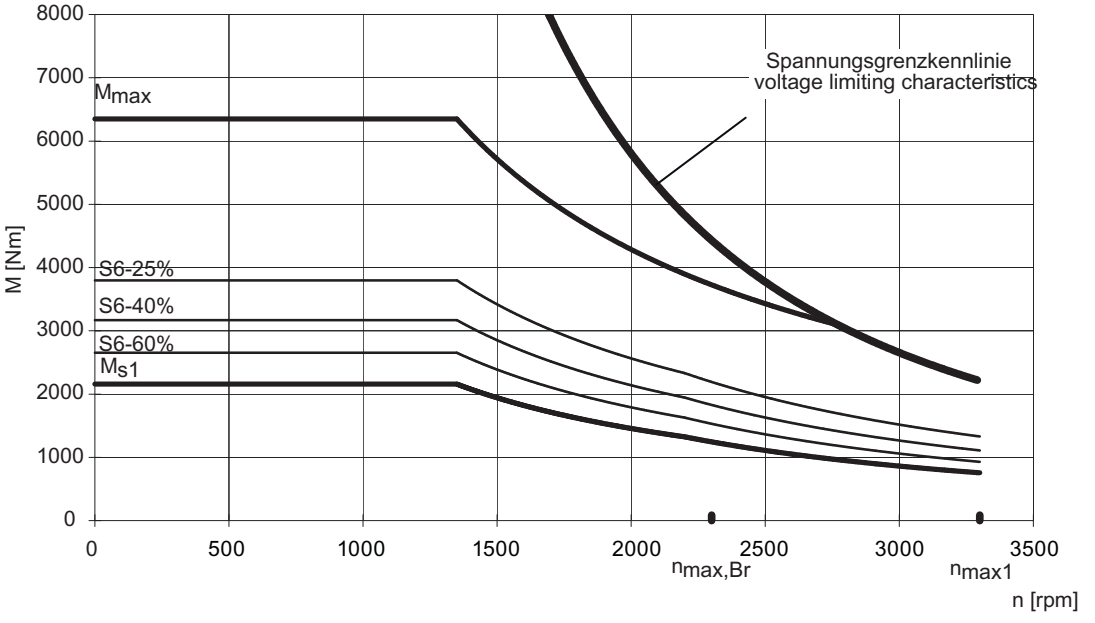


Table 2-273 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8288-□□D1□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	305	1,942	455	3,300	-	-	2,300	2,200	6,350	1,300	2,158	455

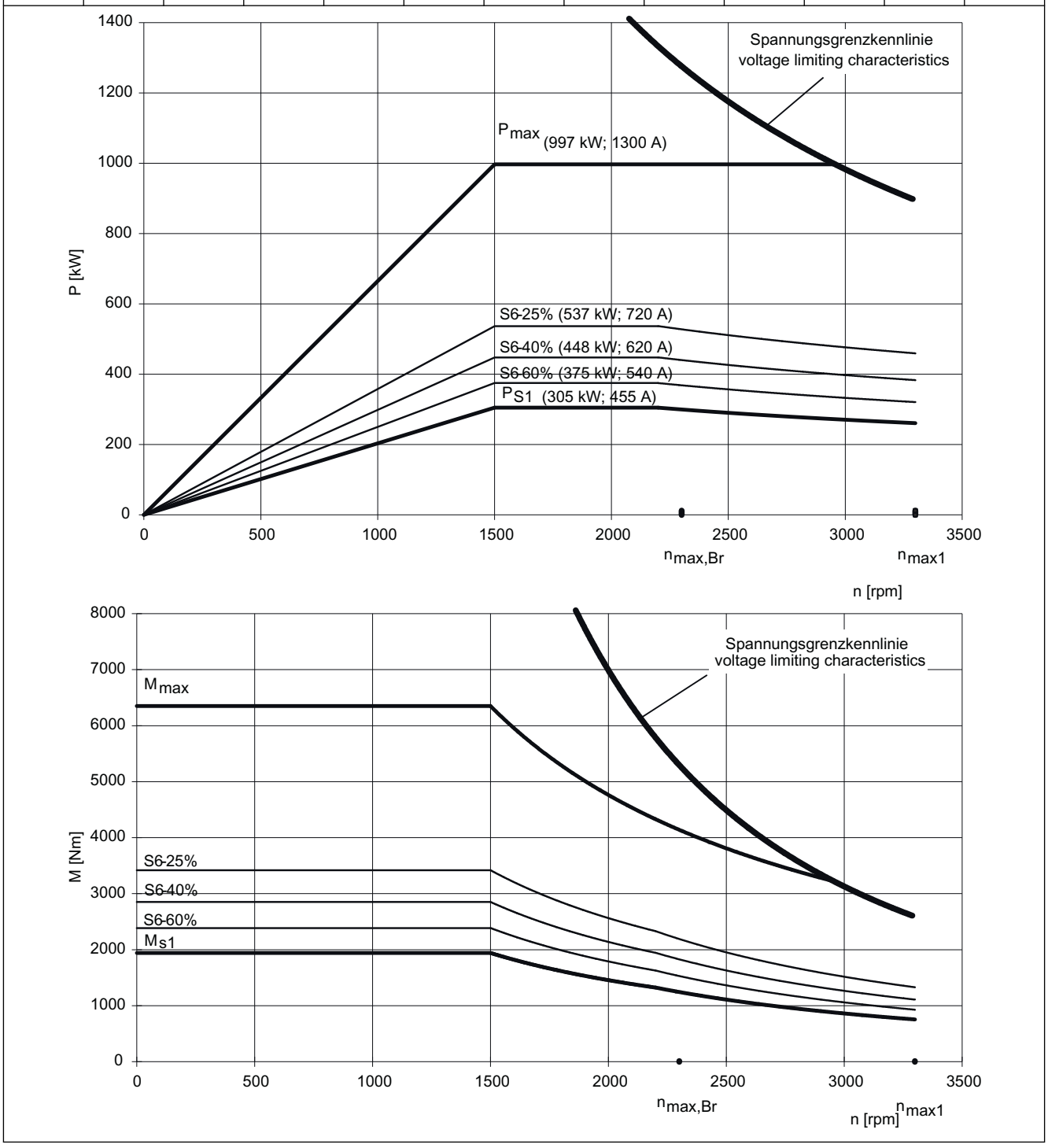


Table 2-274 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□F1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	320	2,037	620	3,300	-	-	2,300	2,100	5,500	1,640	2,037	1,640

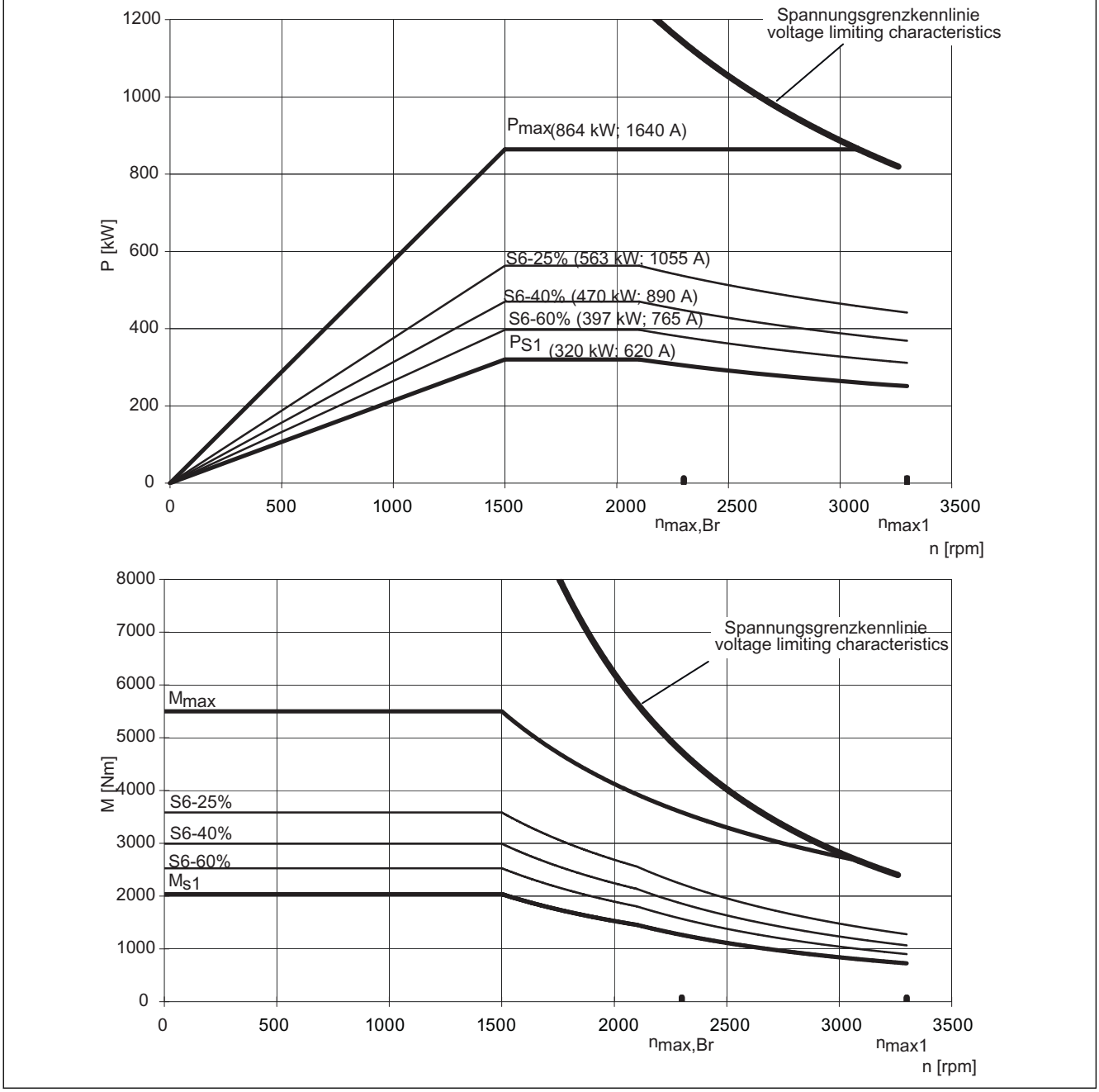
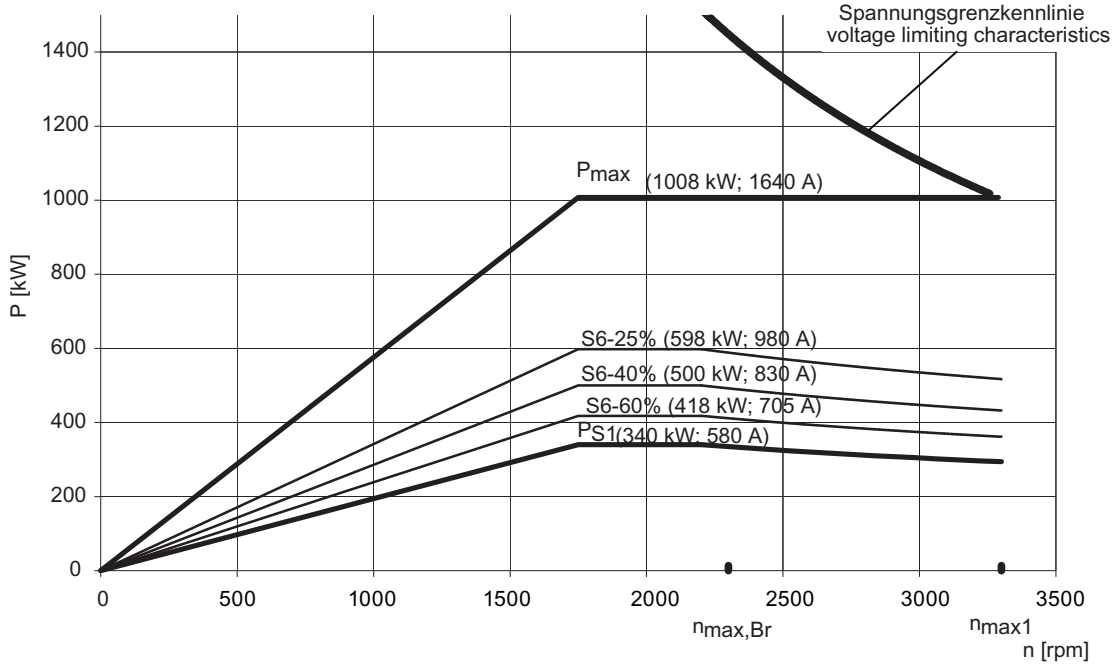


Table 2-275 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8288-□□F1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	340	1,856	580	3,300	-	-	2,300	2,200	5,500	1,640	1,856	1,640
1,500	292	1,856	580					3,300				



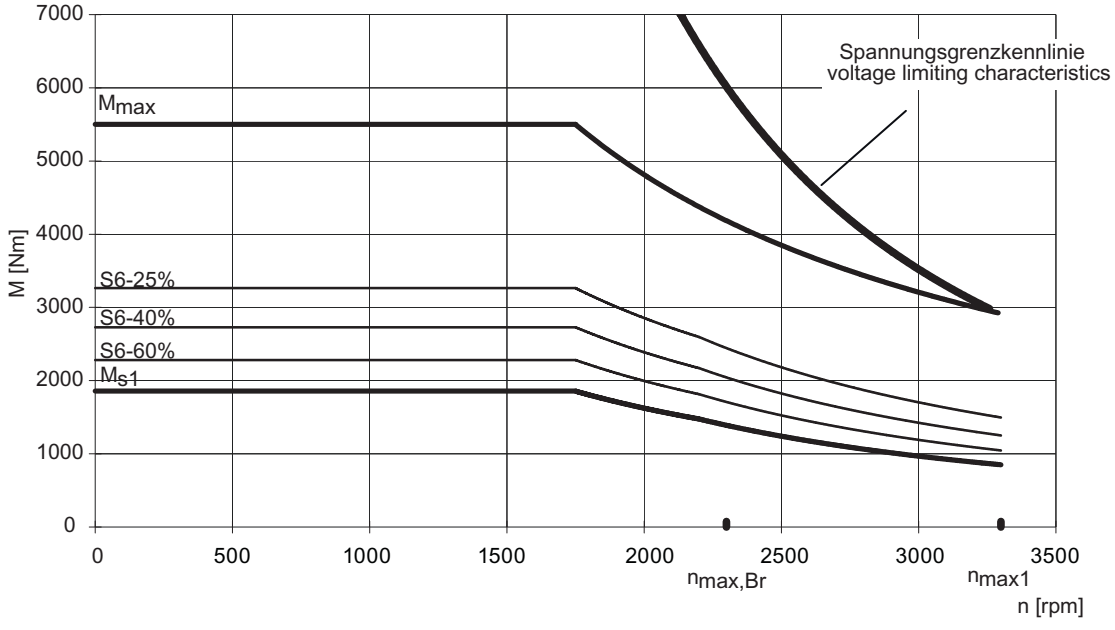
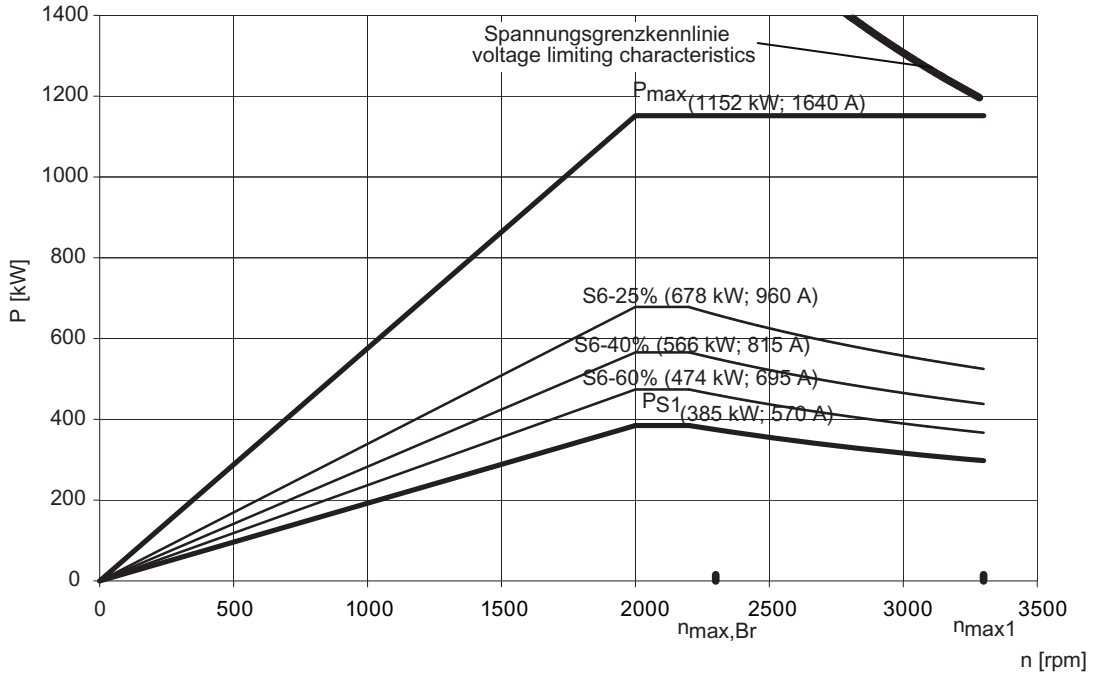


Table 2-276 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□F1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	385	1,838	570	3,300	-	-	2,300	2,200	5,500	1,640	1,838	1,640



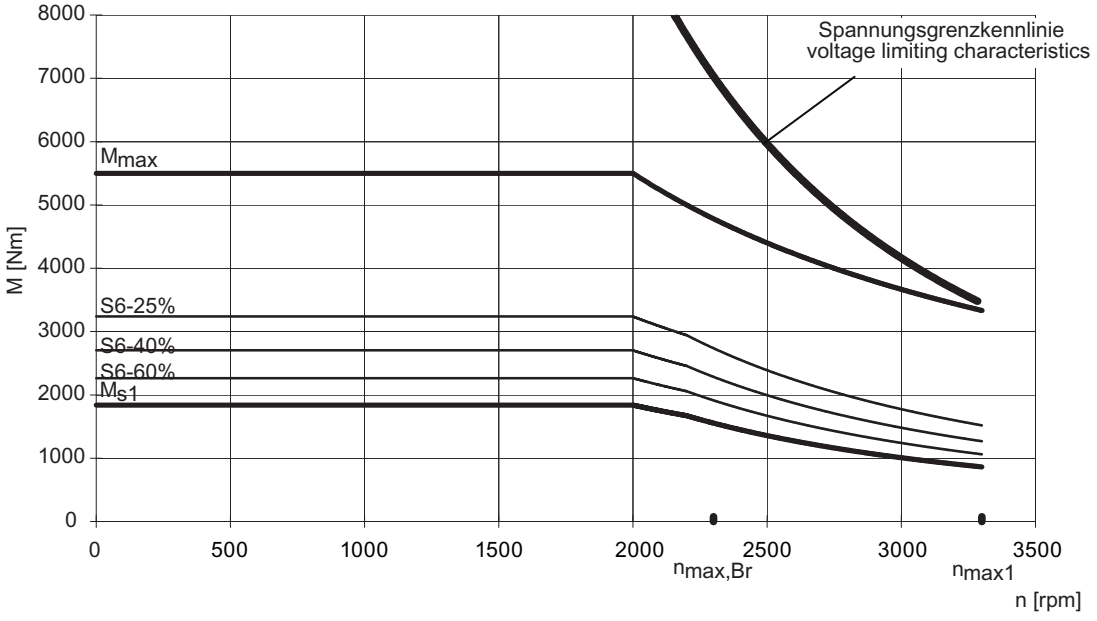


Table 2-277 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8288-□□F1□, (IP55)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,200	347	1,506	495	3,300	-	-	2,300	2,400	5,500	1,640	2,037	1,640

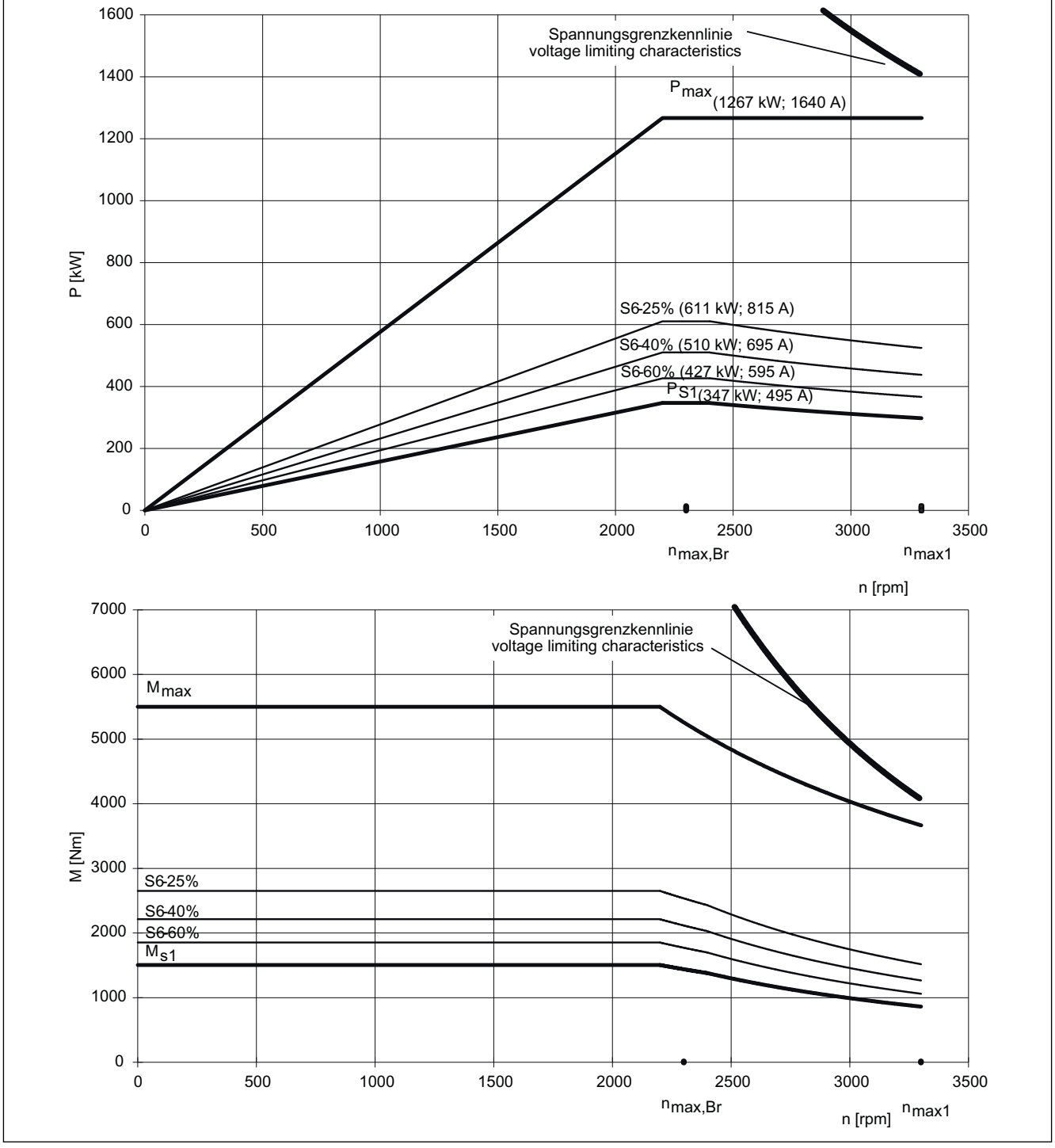
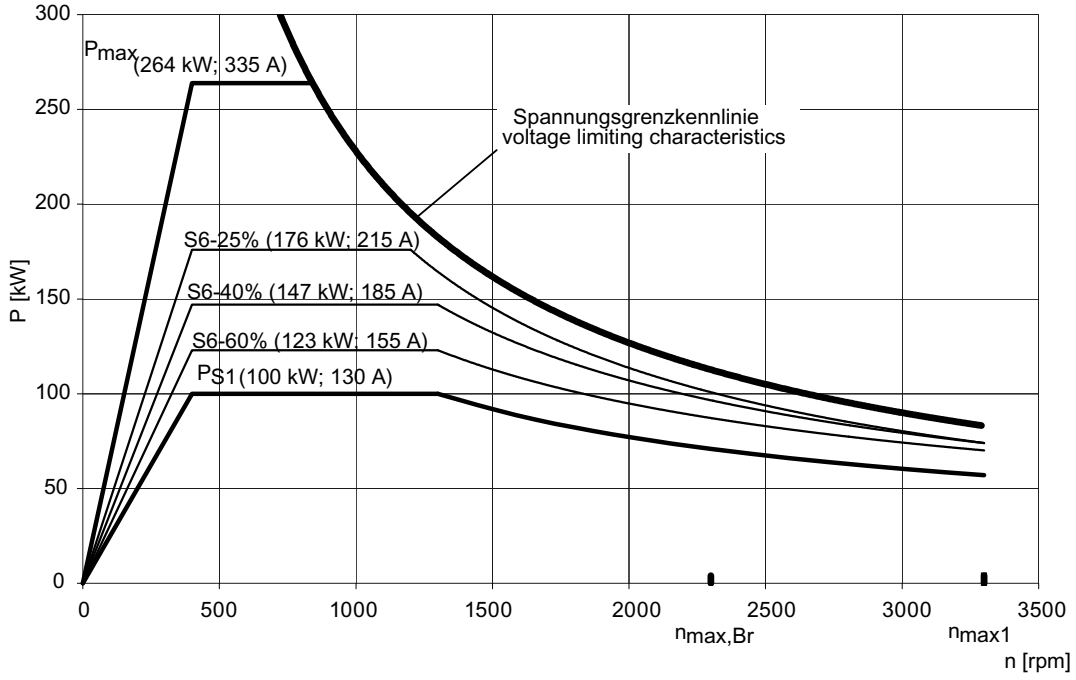


Table 2-278 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8288-□□H1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	100	2,388	130	3,300	-	-	2,300	1,300	6,300	335	2,388	130



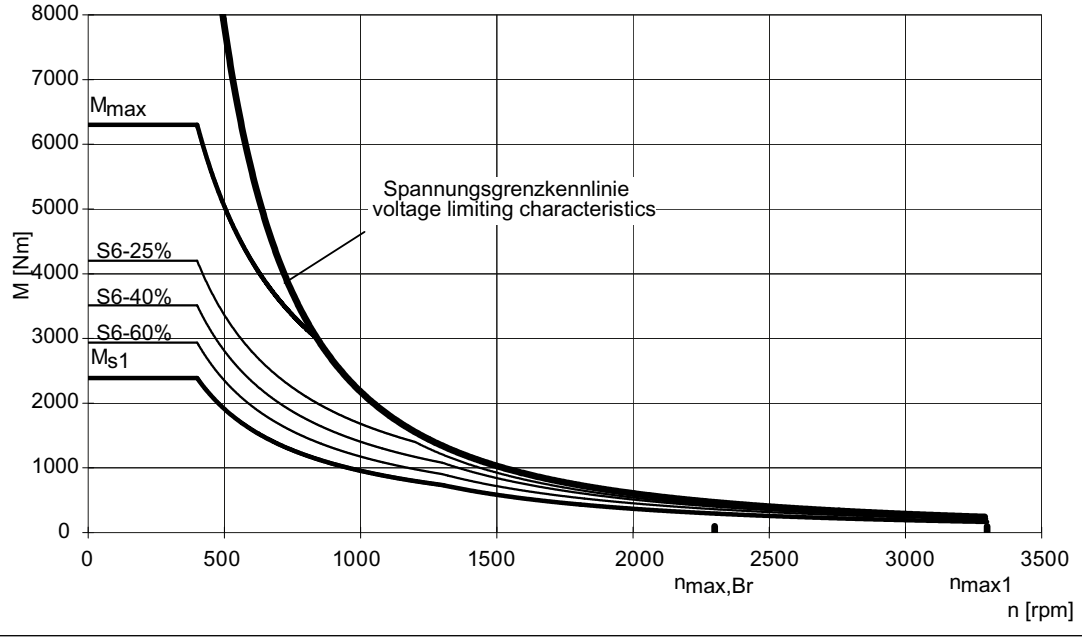
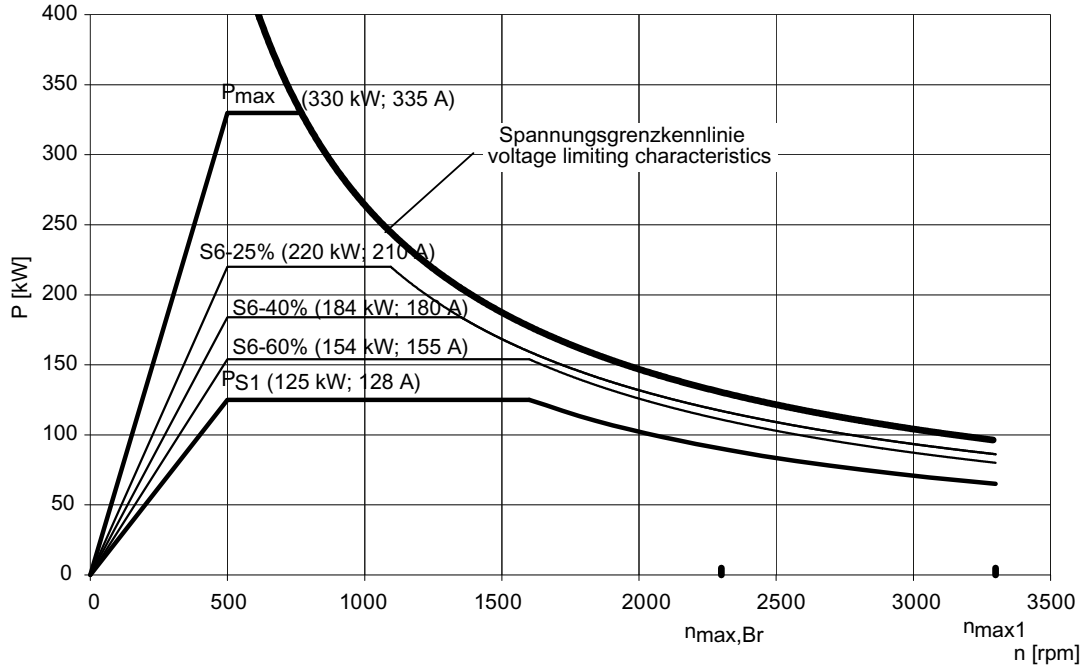


Table 2-279 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8288-□□H1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	125	2,388	128	3,300	-	-	2,300	1,600	6,300	335	2,388	128
400	100	2,388	128					2,000				



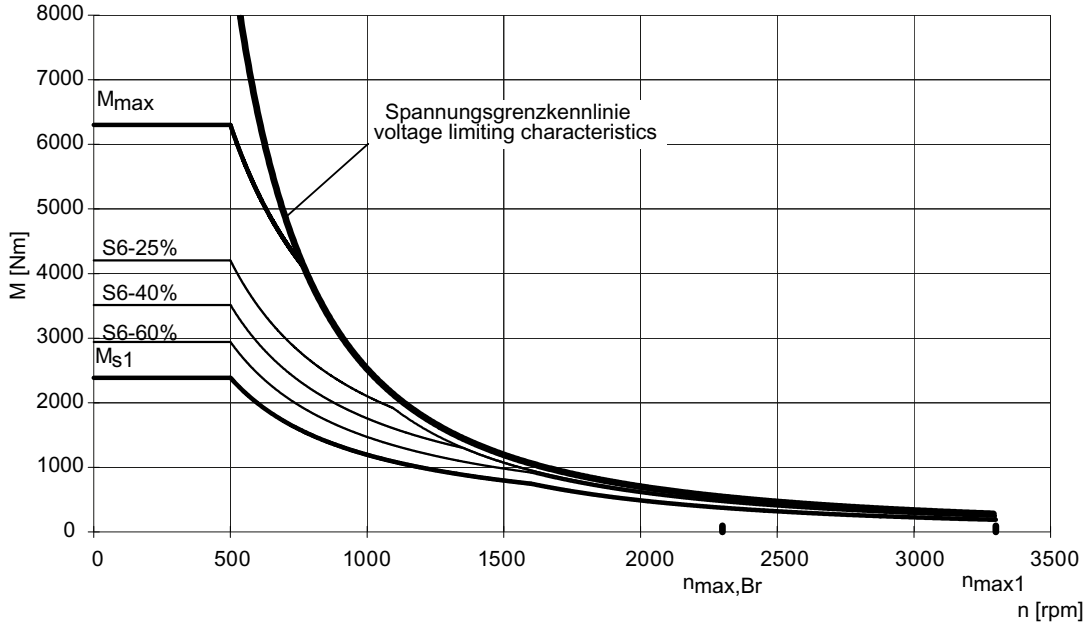
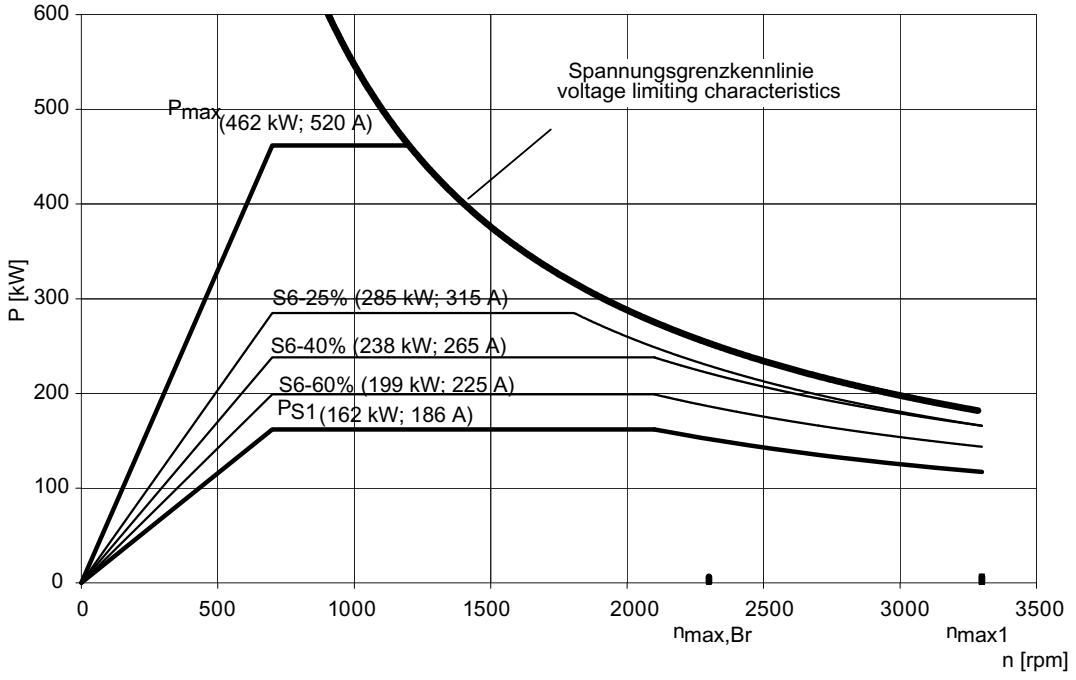


Table 2-280 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8288-□□K1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	162	2,210	186	3,300	-	-	2,300	2,100	6,300	520	2,210	186



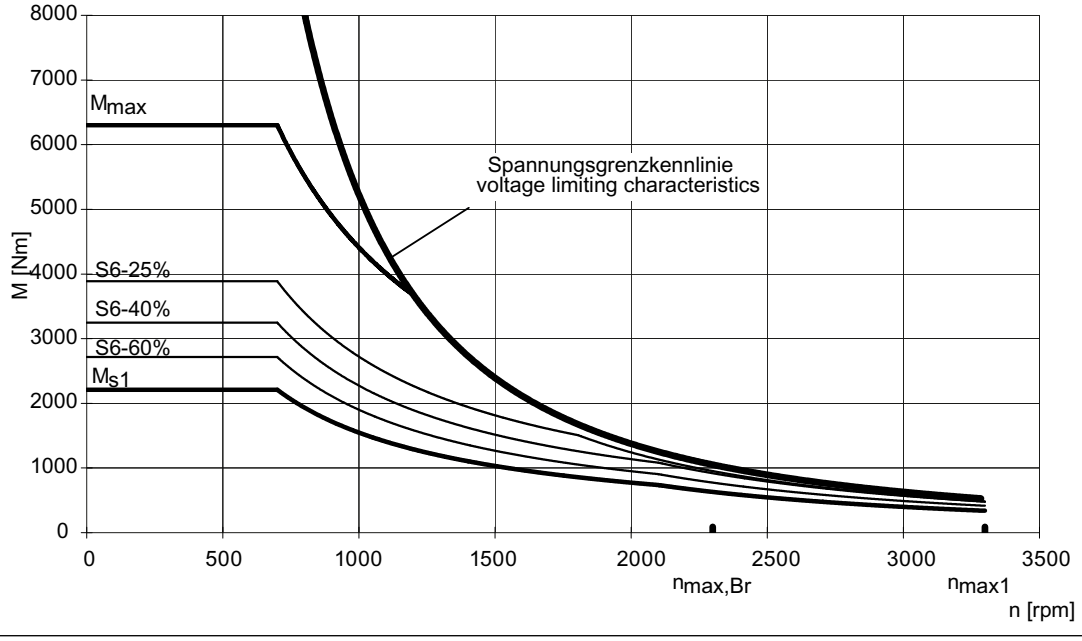
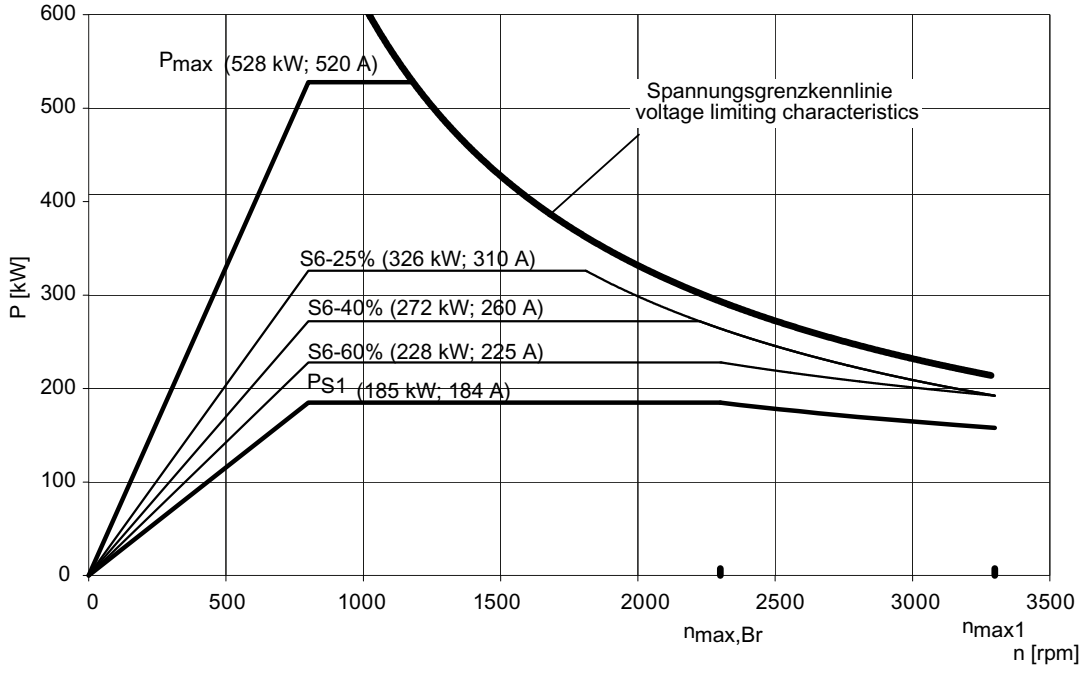


Table 2-281 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8288-□□K1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	185	2,208	184	3,300	-	-	2,300	2,300	6,300	520	2,208	184
700	162	2,208	184					3,100				



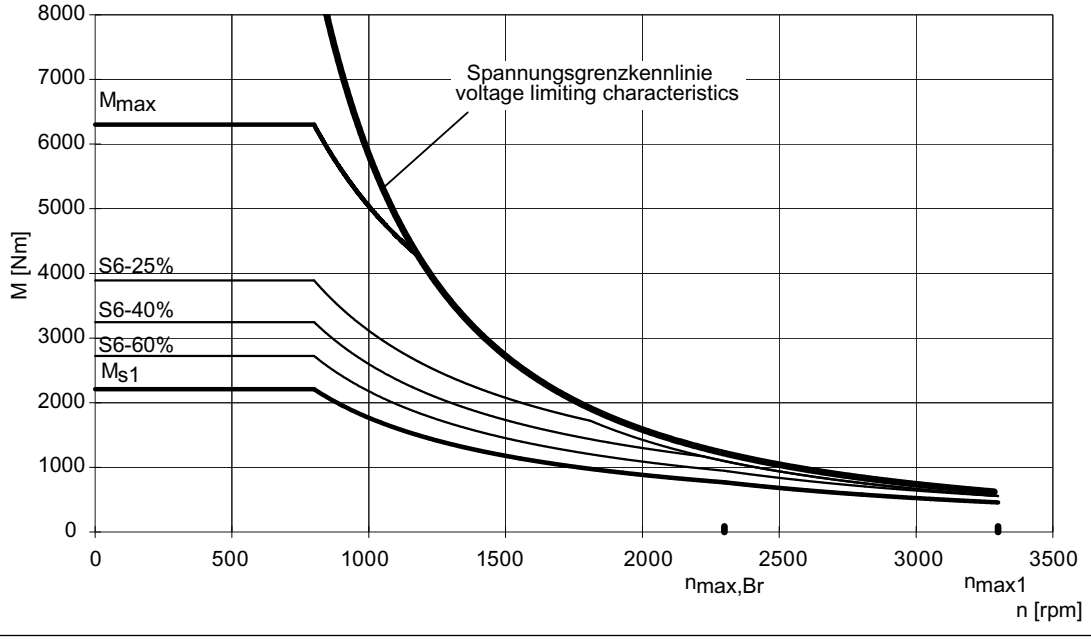
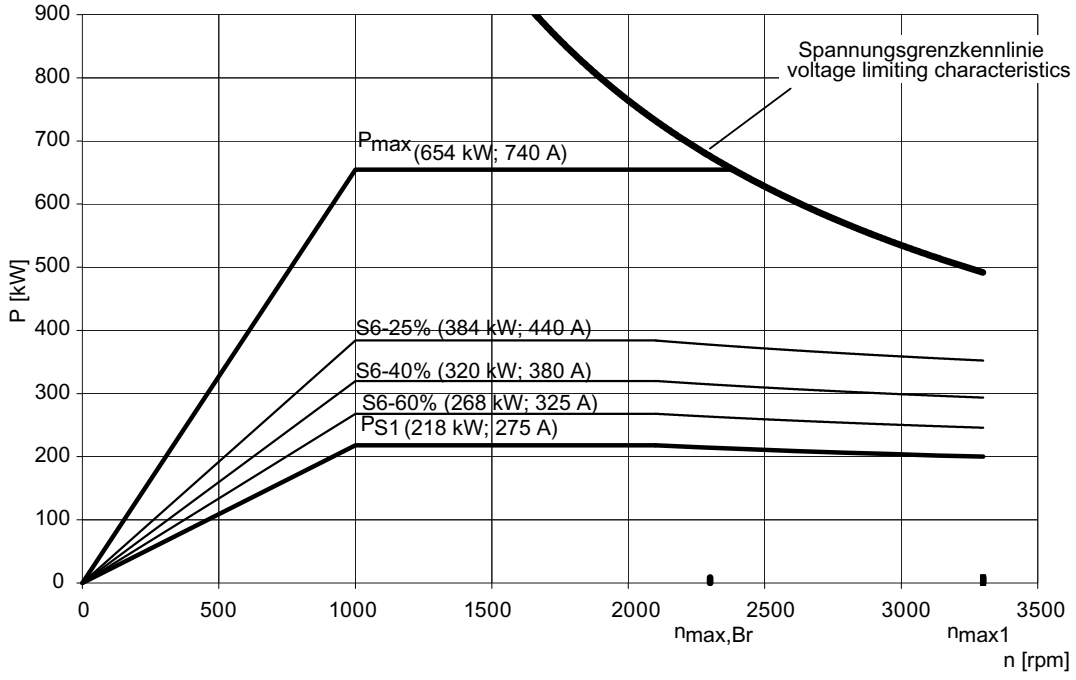


Table 2-282 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8288-□□U1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	218	2,082	275	3,300	-	-	2,300	2,100	6,250	740	2,082	275



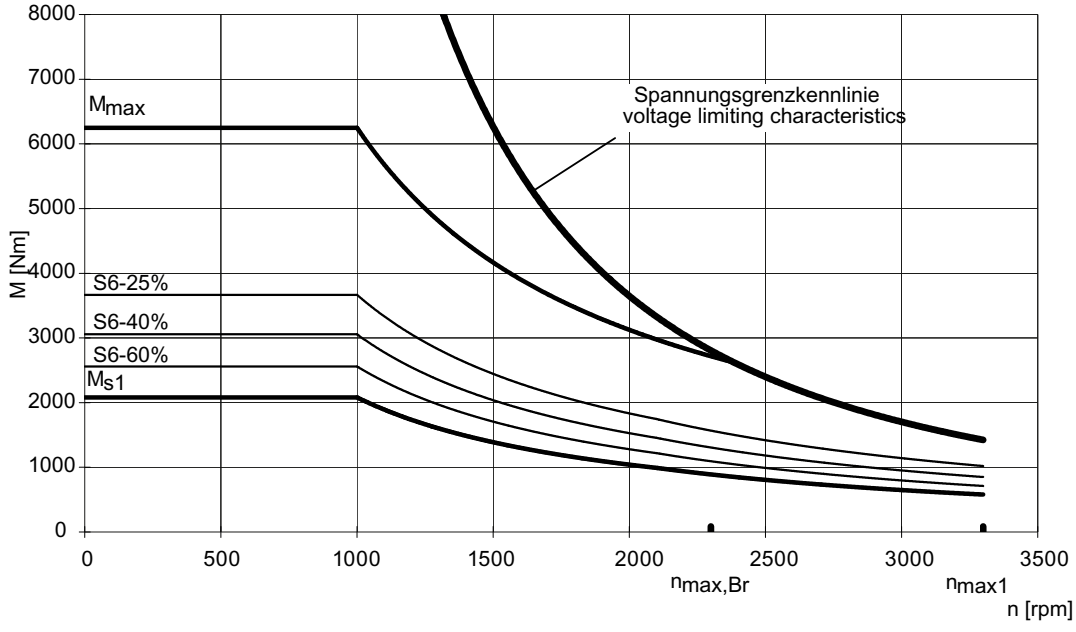
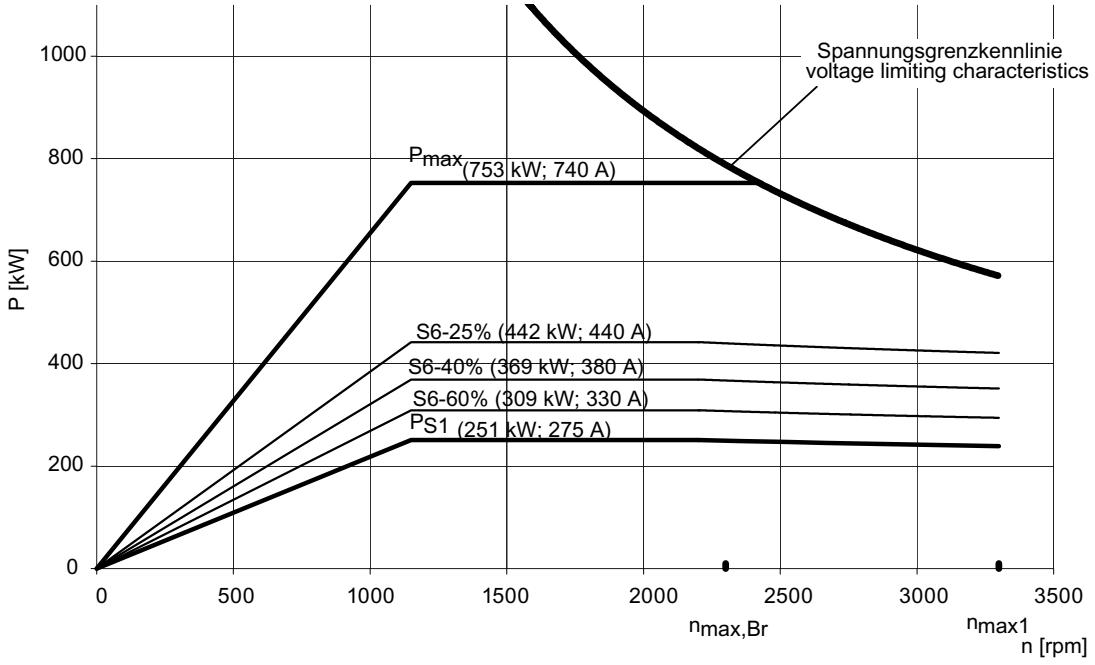


Table 2-283 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8288-□□U1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	251	2,084	275	3,300	-	-	2,300	2,200	6,250	740	2,084	275
1,000	218	2,084	275					3,300				



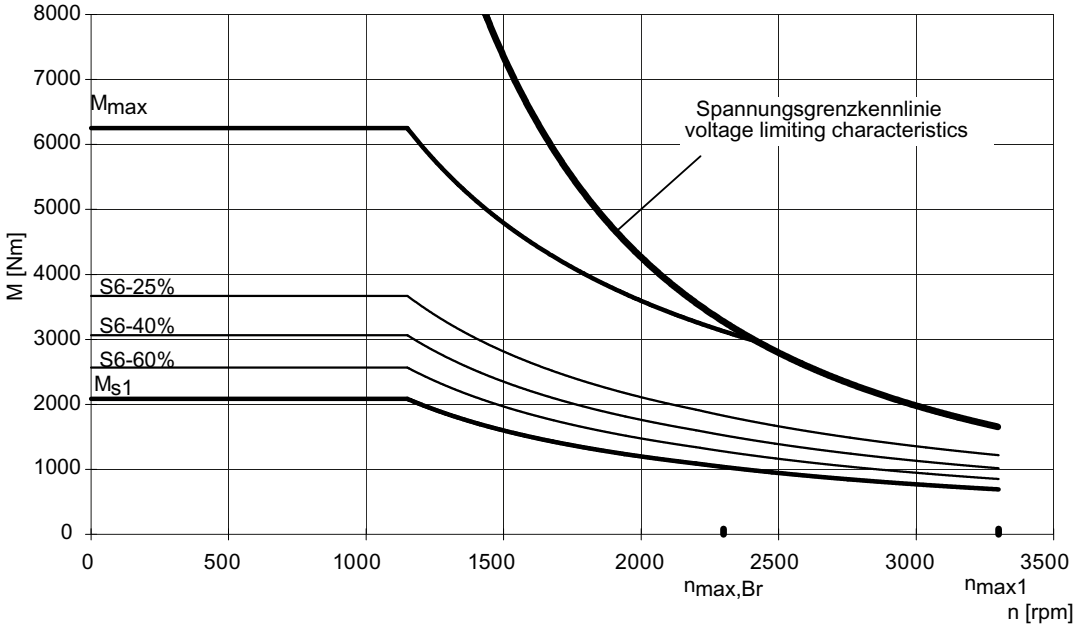
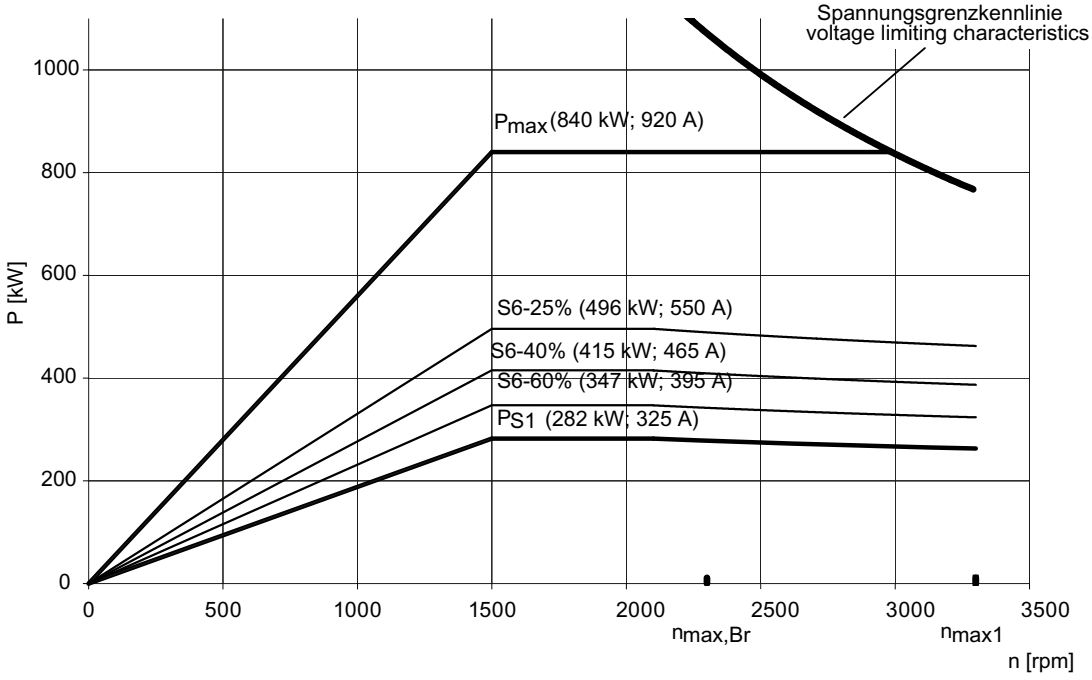


Table 2-284 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8288-□□W1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	282	1,795	325	3,300	-	-	2,300	2,100	5,350	920	1,795	325



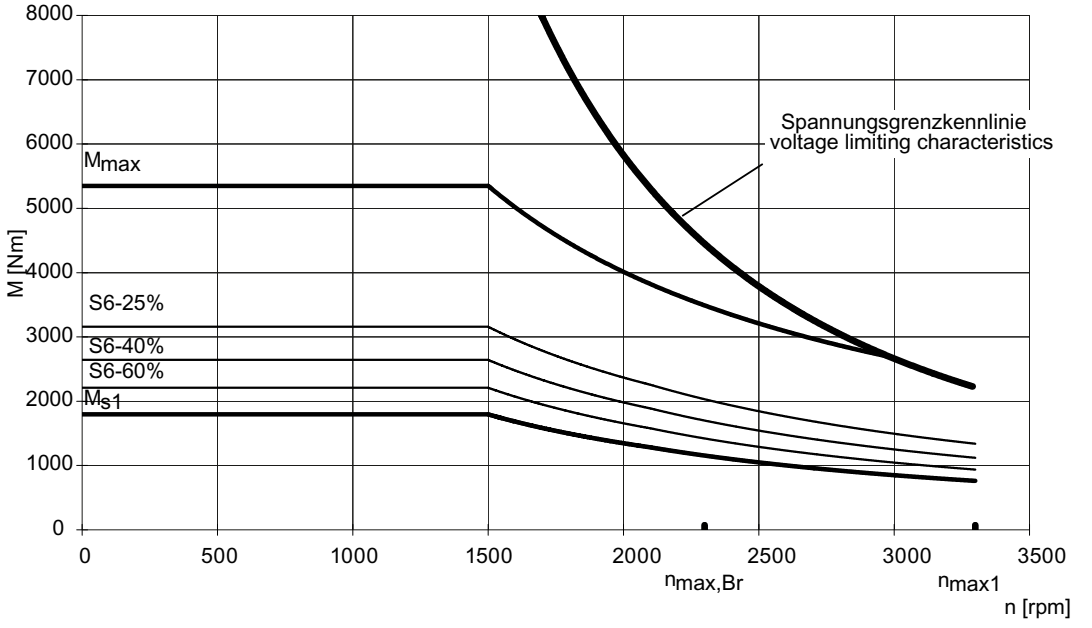
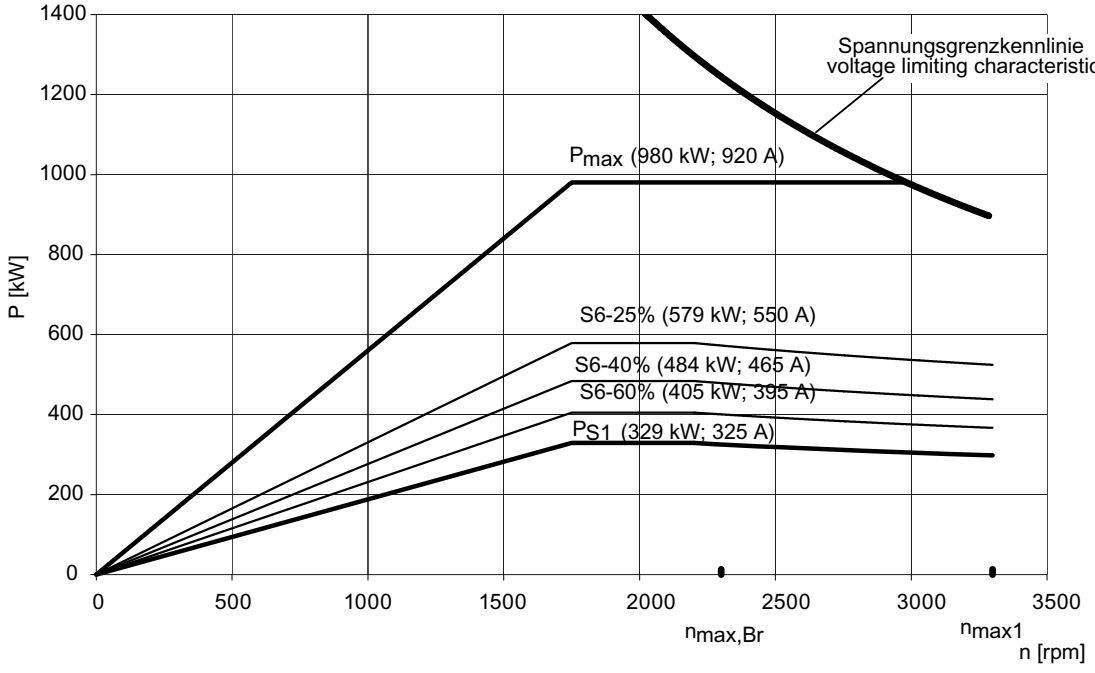
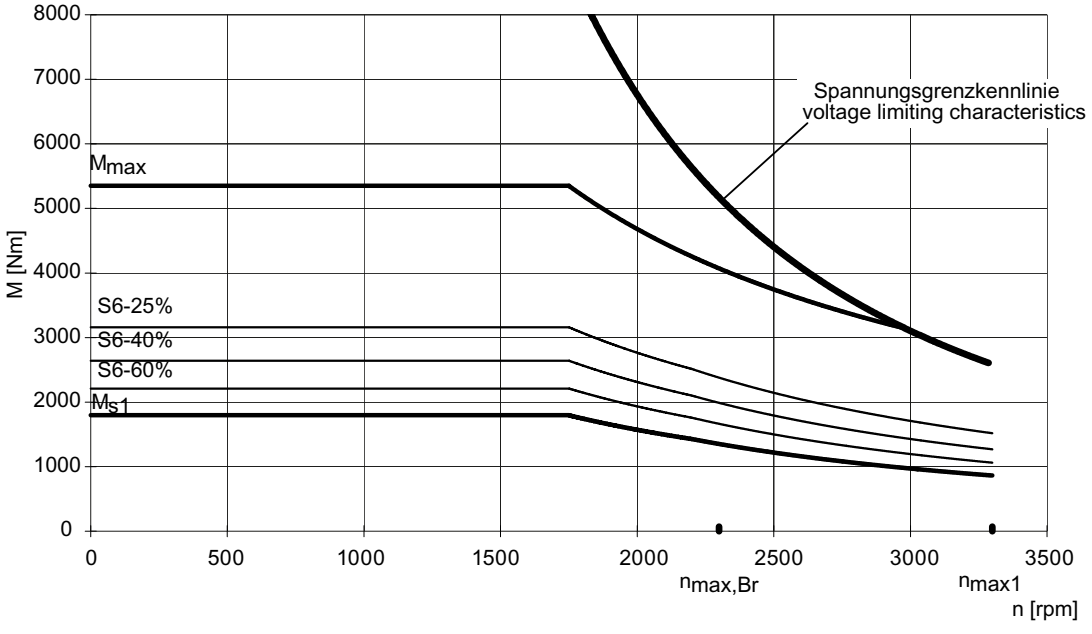


Table 2-285 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8288-□□W1□, (IP55)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	329	1,795	325	3,300	-	-	2,300	2,200	5,350	920	1,795	325
1,500	282	1,795	325					3,300				

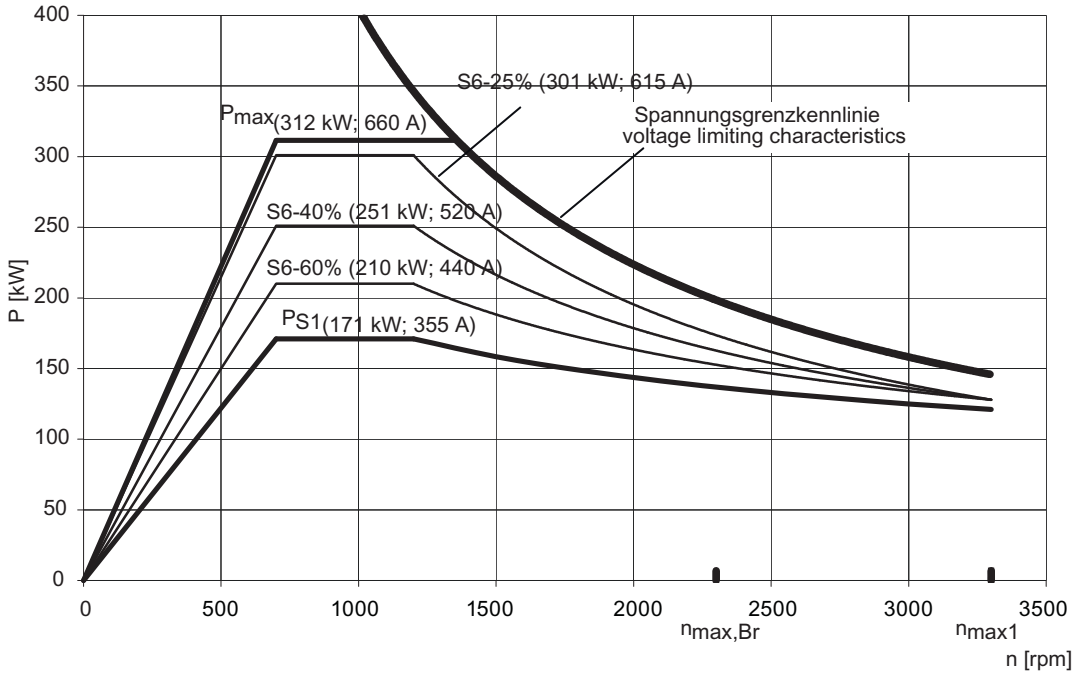




2.2.11 Shaft height 280 - forced ventilation (open-circuit ventilation)

Table 2-286 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□C4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	171	2,333	355	3,300	-	-	2,300	1,200	4,250	660	2,333	355



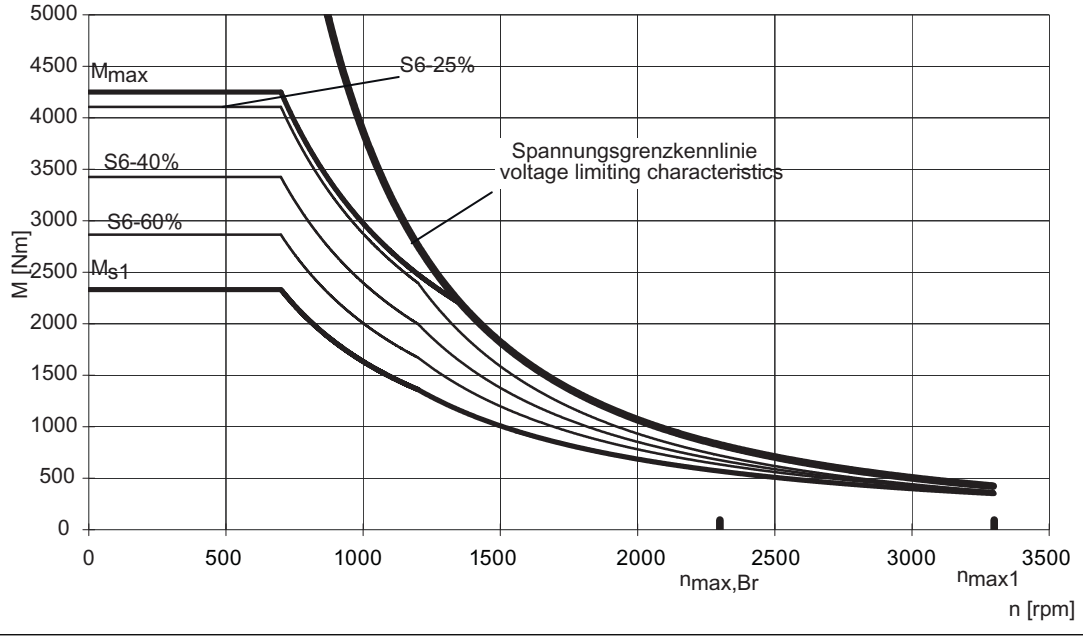
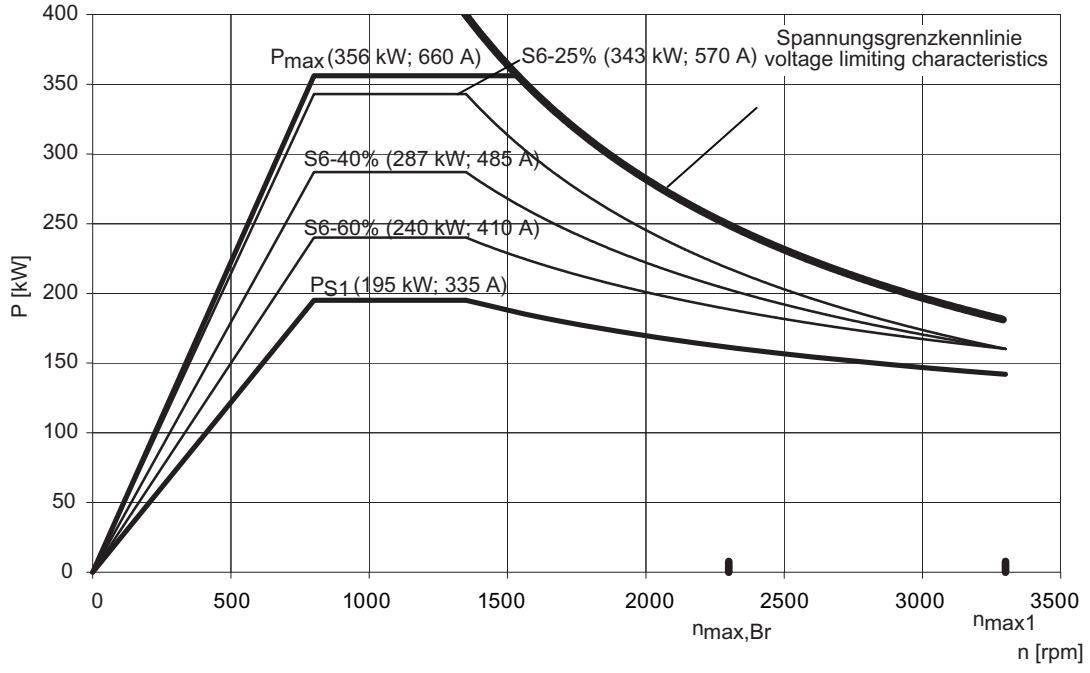


Table 2-287 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8284-□□C4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	195	2,328	335	3,300	-	-	2,300	1,350	4,250	660	2,328	335
700	171	2,333	355					2,000				



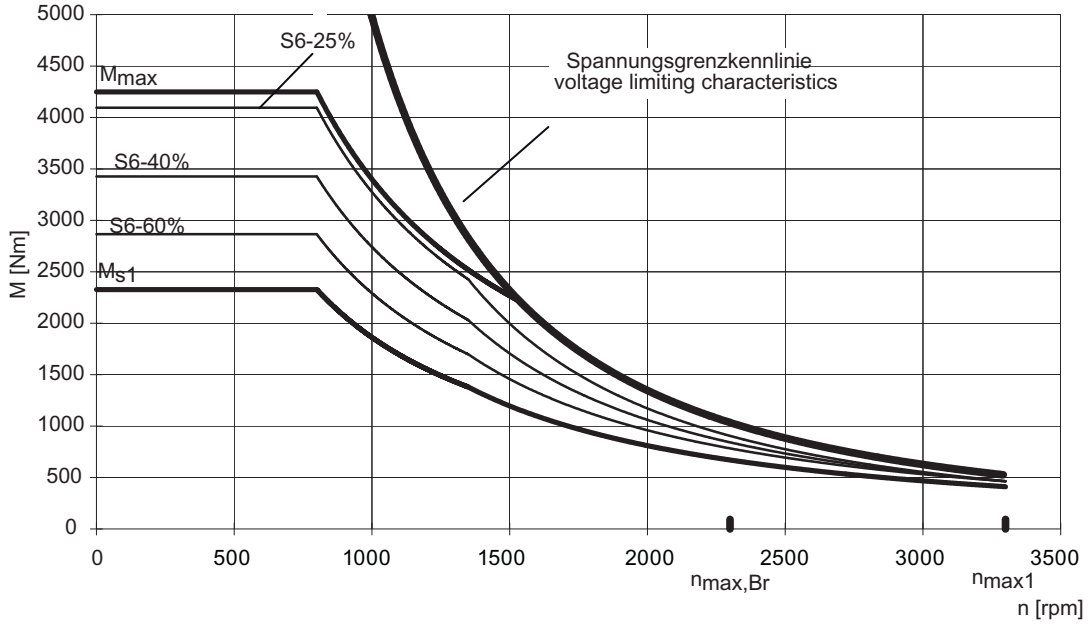
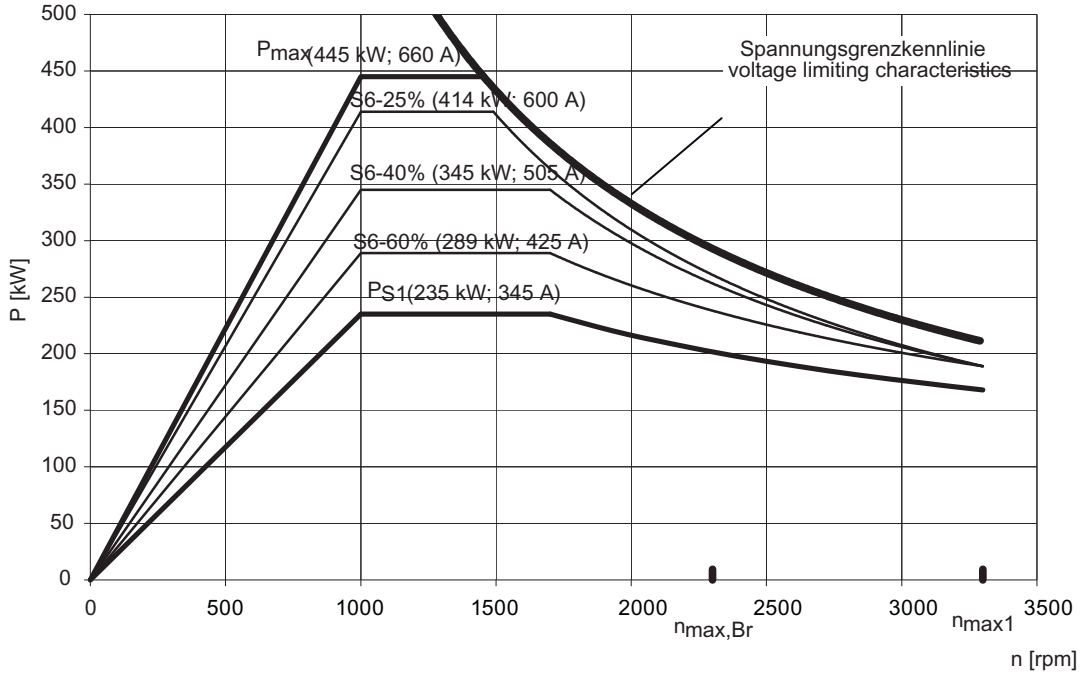


Table 2-288 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□C4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	235	2,244	345	3,300	-	-	2,300	1,700	4,250	660	2,244	345



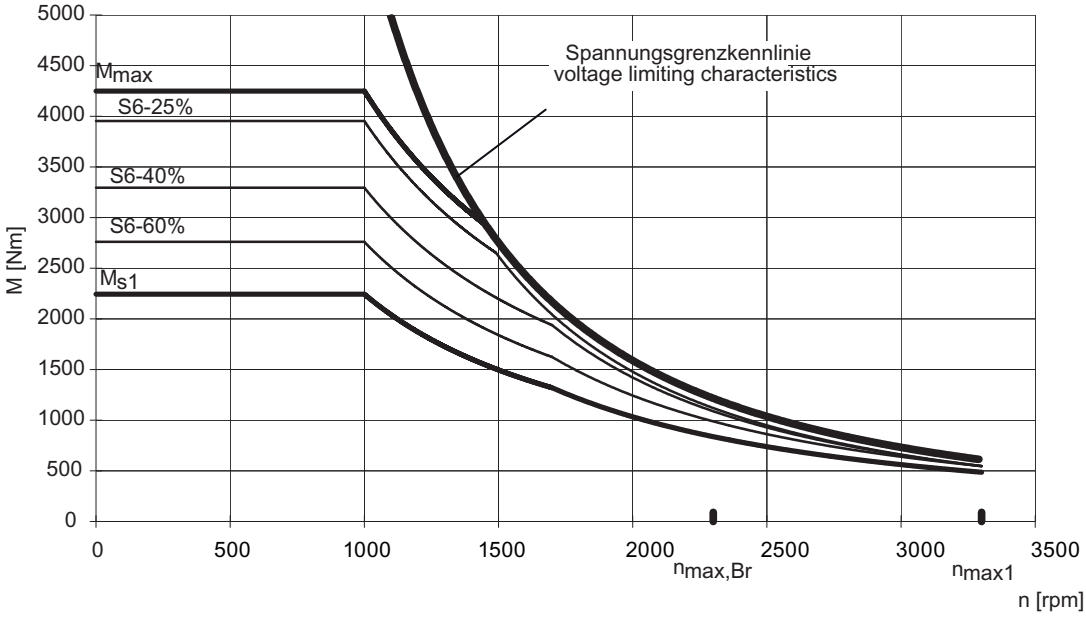


Table 2-289 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8284-□□C4□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,100	250	2,170	335	3,300	-	-	2,300	1,700	4,250	660	2,333	335

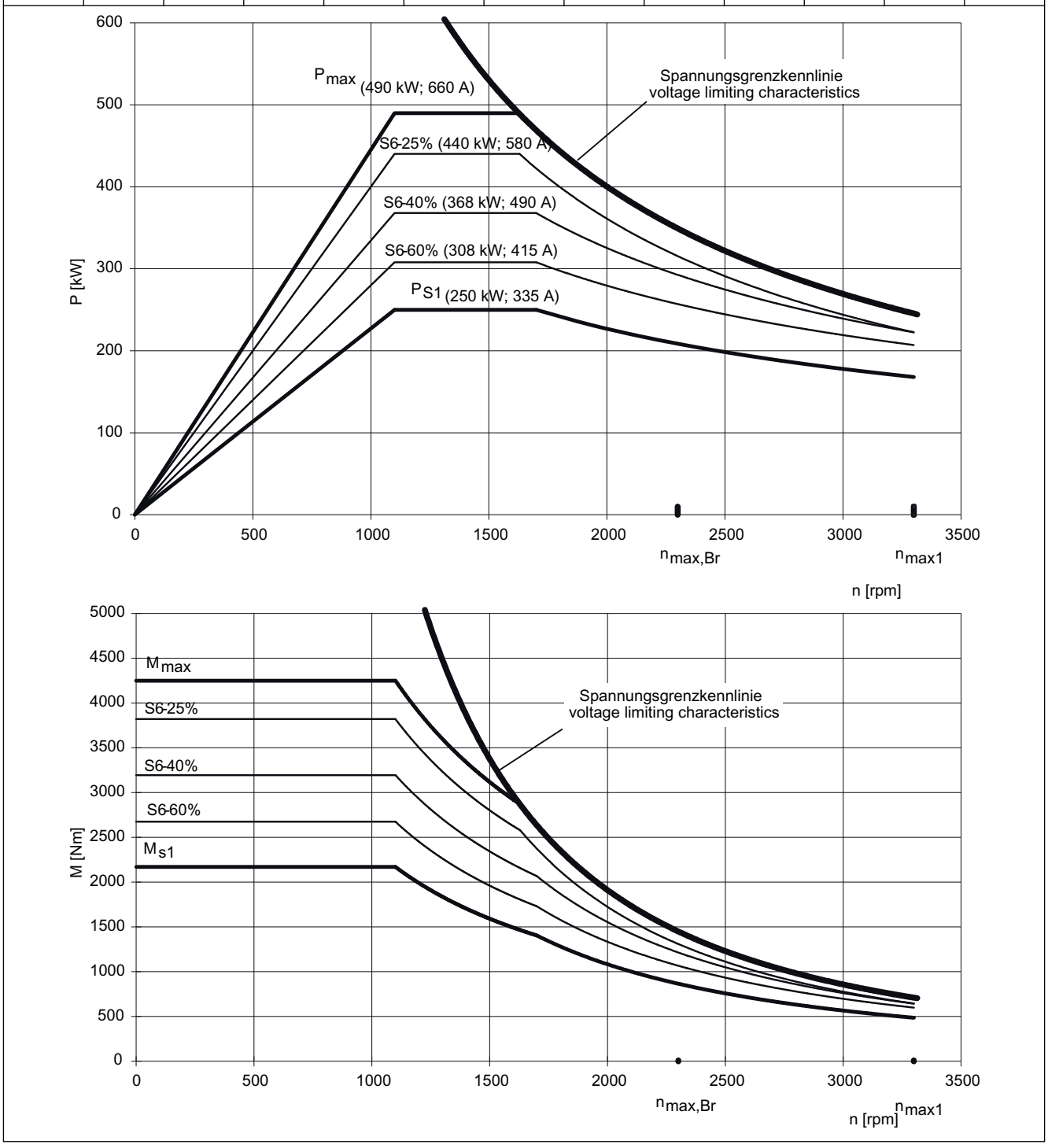


Table 2-290 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□D4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	243	2,321	490	3,300	-	-	2,300	1,900	4,150	870	2,321	490

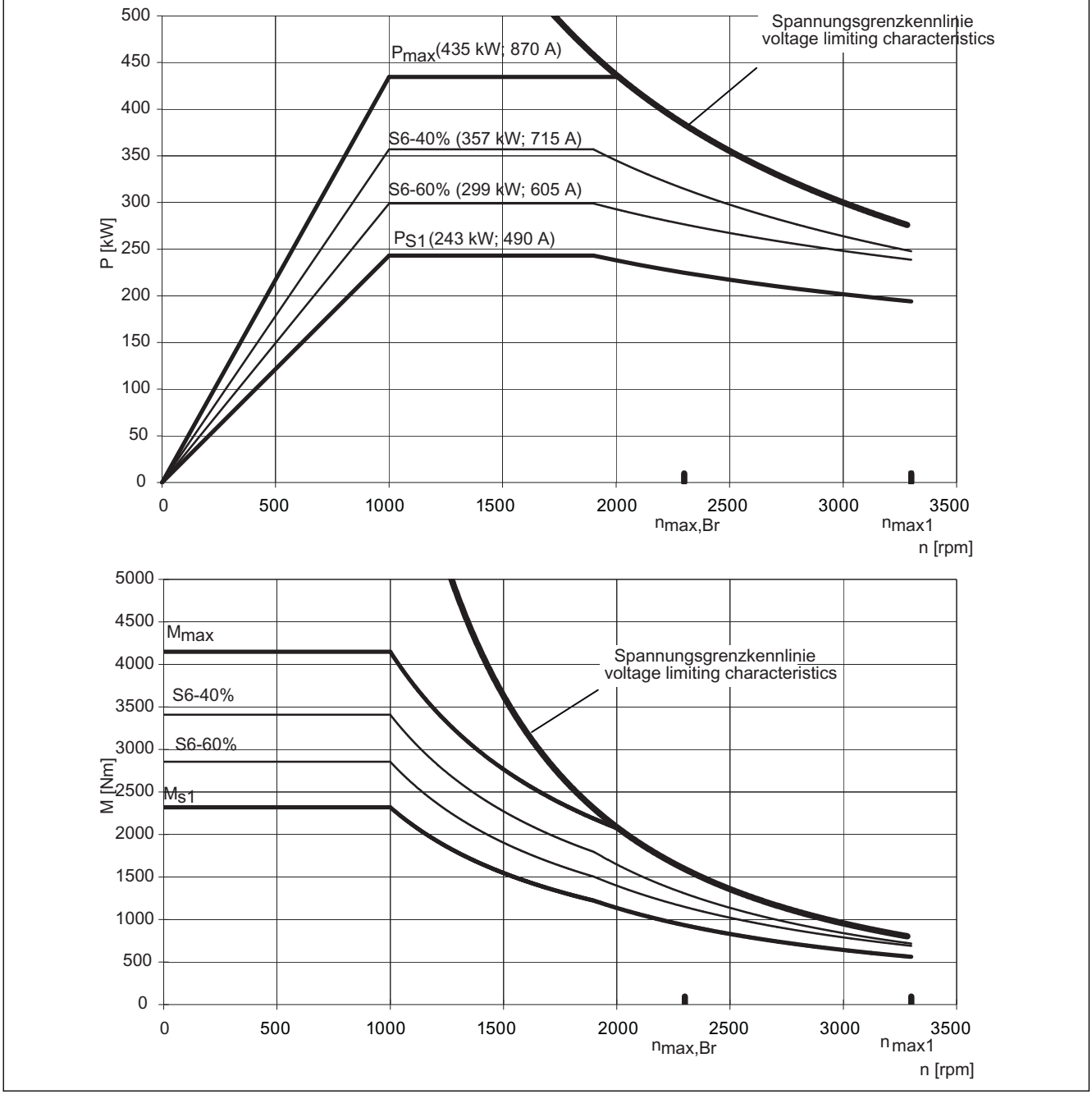


Table 2-291 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8284-□□D4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	280	2,325	475	3,300	-	-	2,300	2,200	4,150	870	2,325	475
1,000	243	2,321	490					2,800				

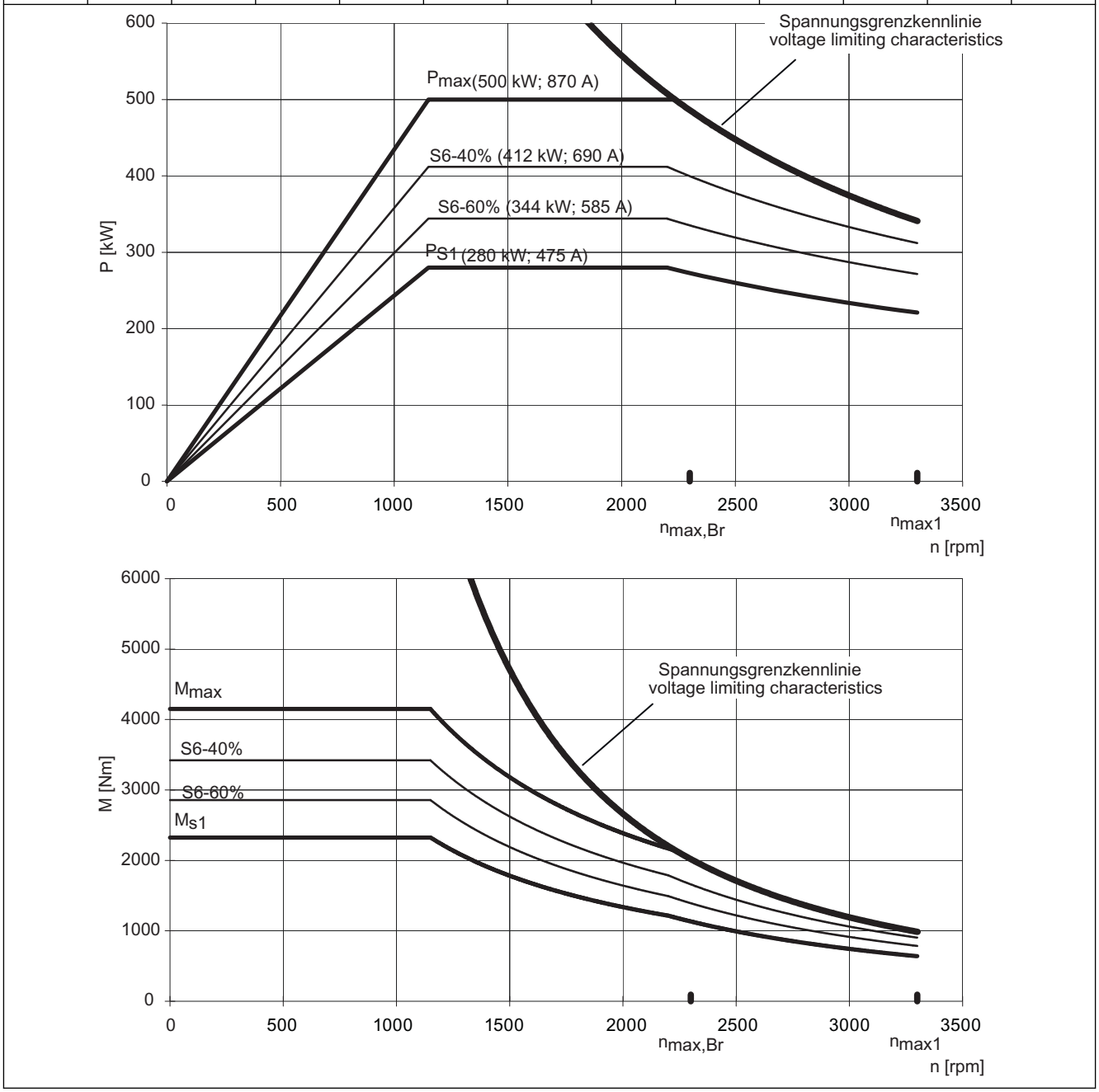
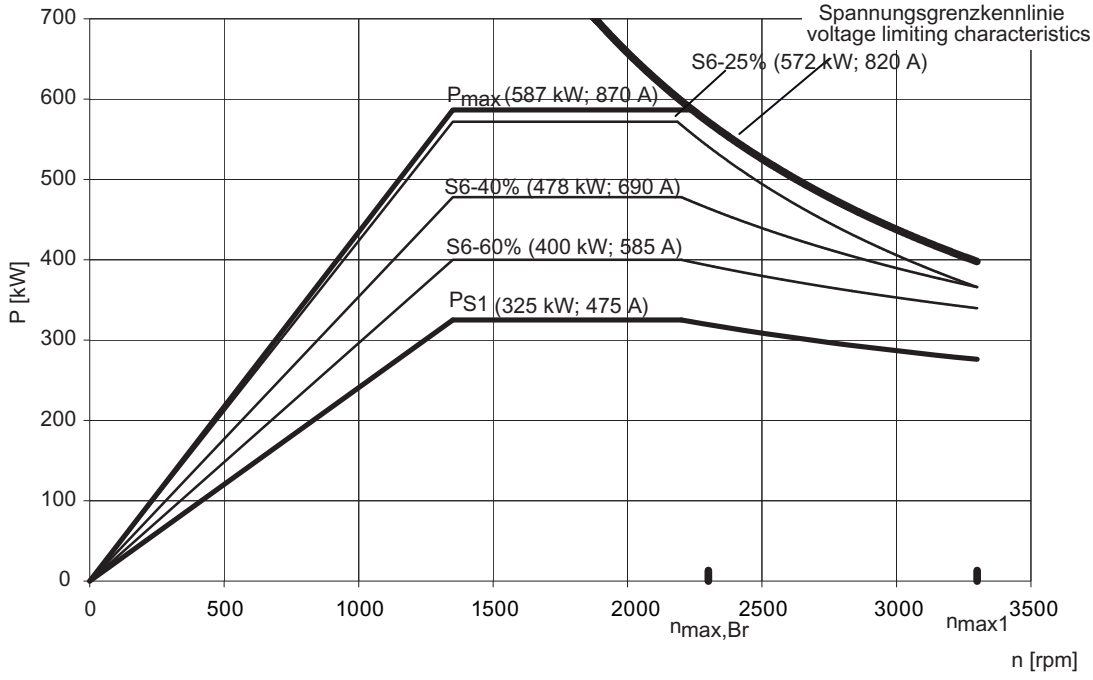


Table 2-292 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□D4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	325	2,299	475	3,300	-	-	2,300	2,200	4,150	870	2,299	475



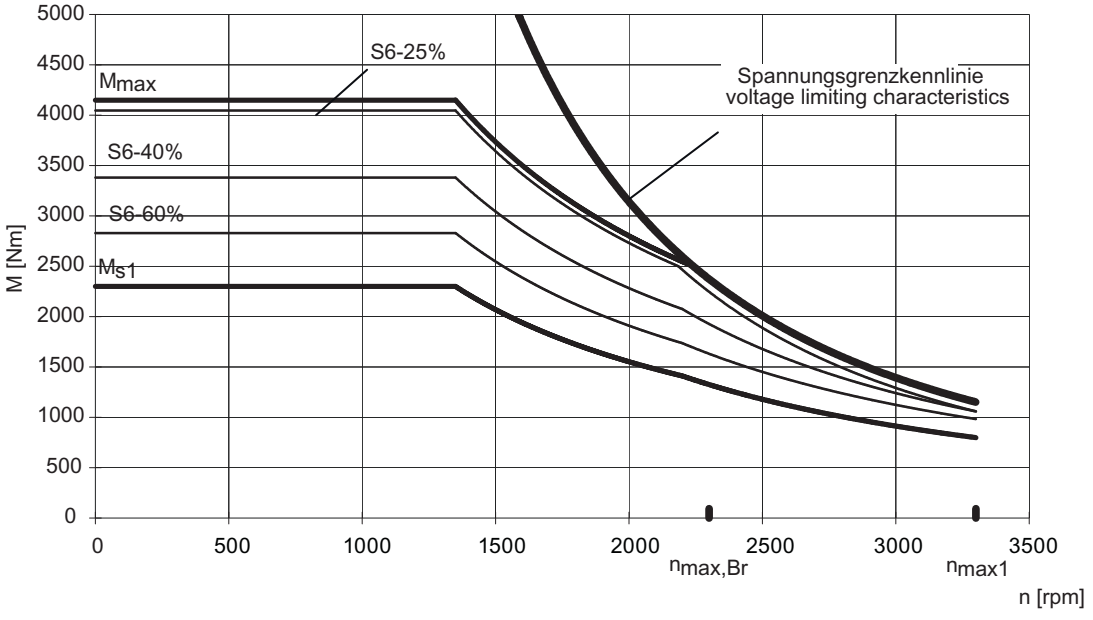
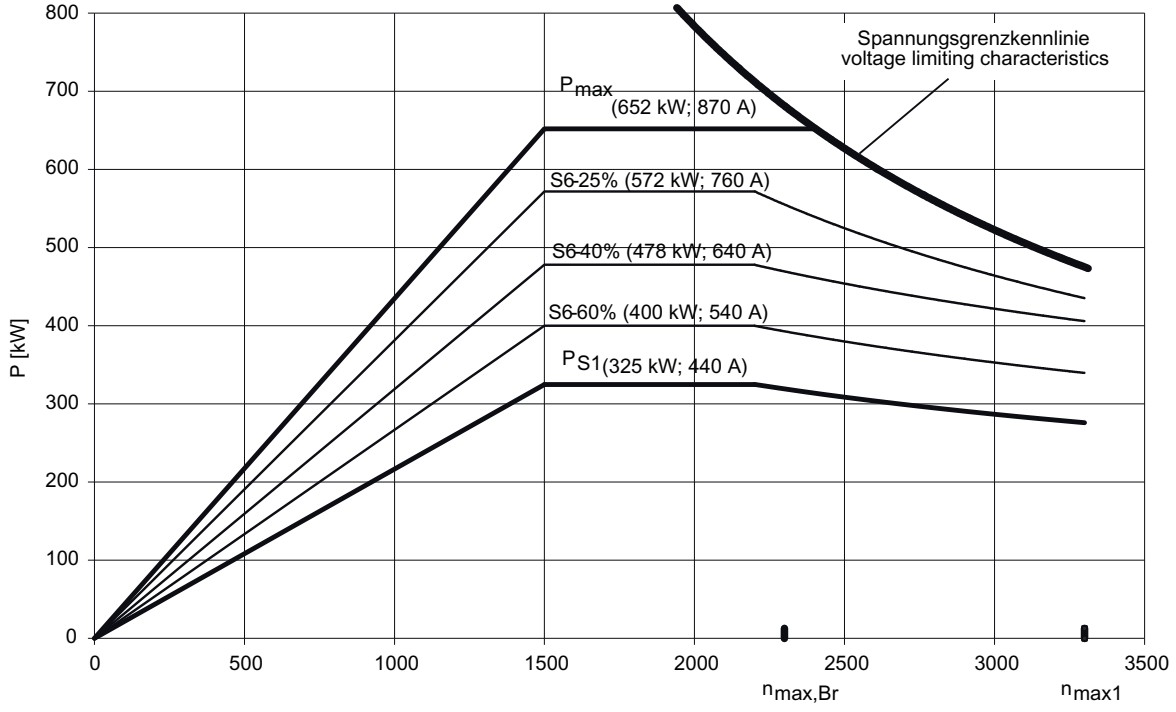


Table 2-293 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8284-□□D4□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	325	2,069	440	3,300	-	-	2,300	2,200	4,150	870	2,321	440



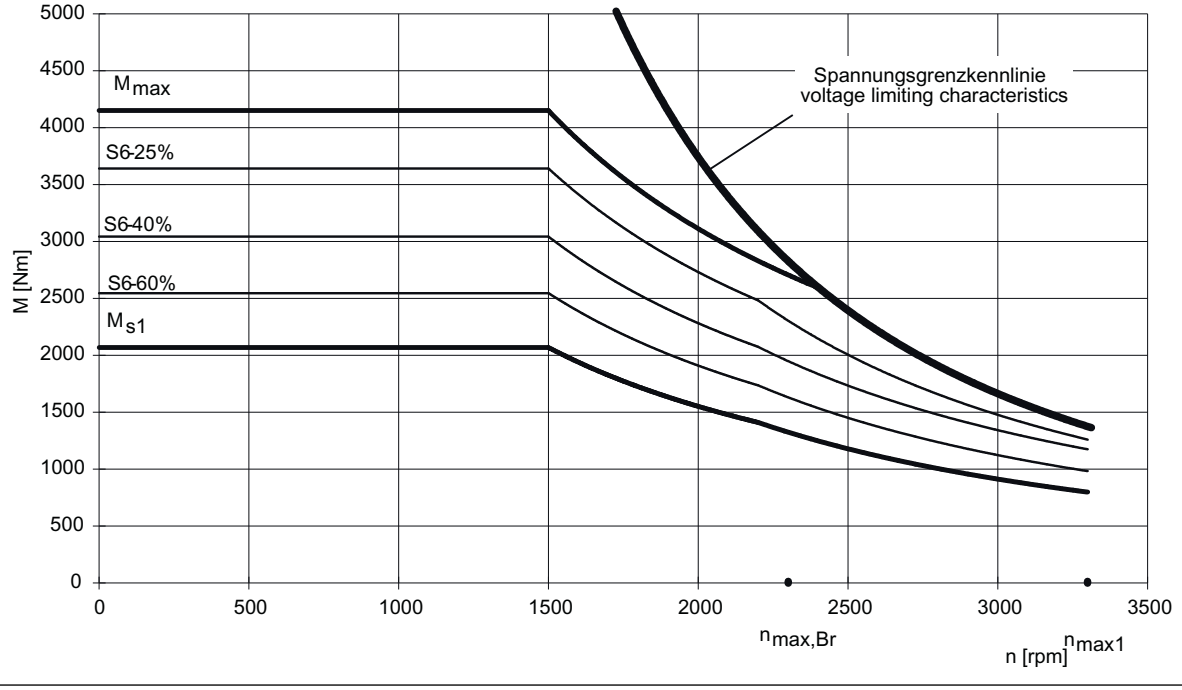
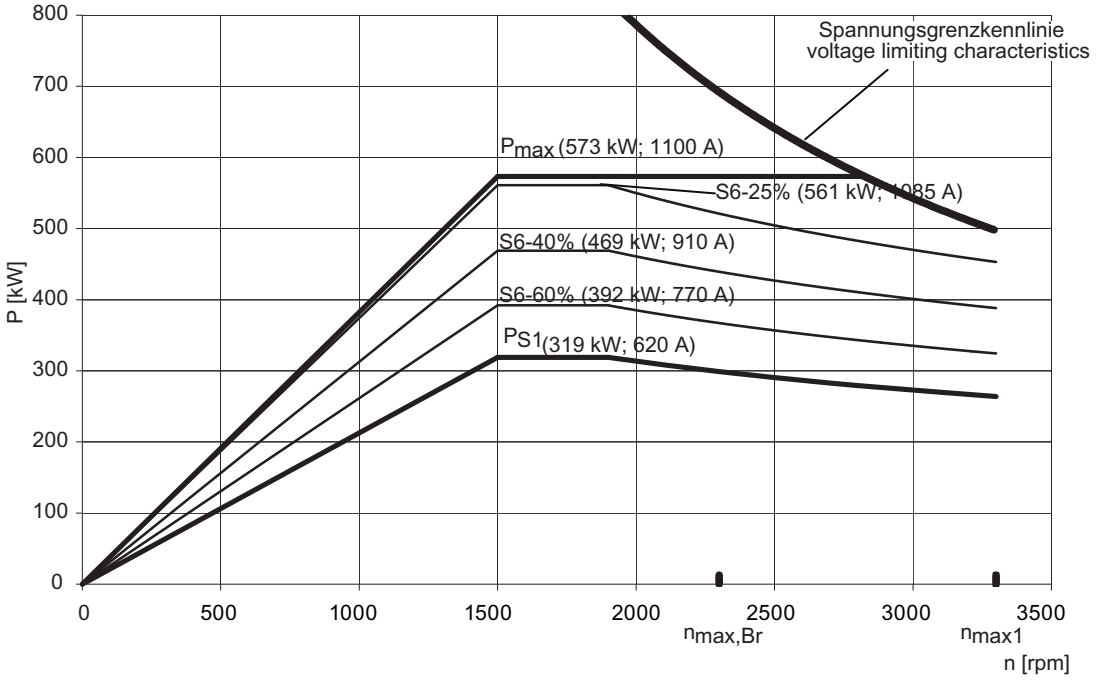


Table 2-294 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□F4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	319	2,031	620	3,300	-	-	2,300	1,900	3,650	1,100	2,031	620



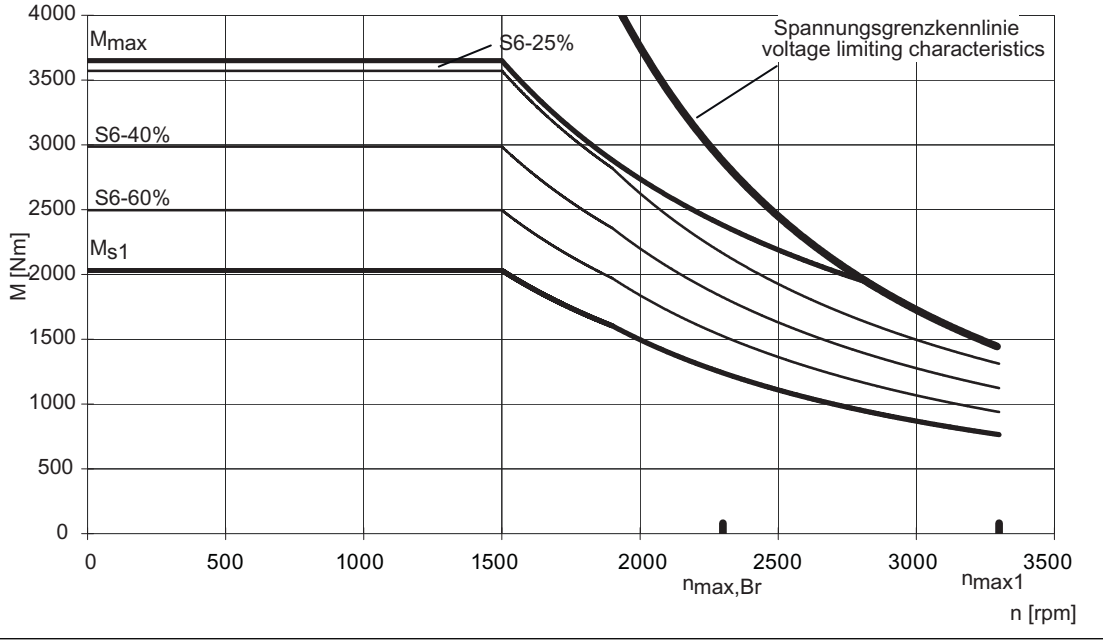
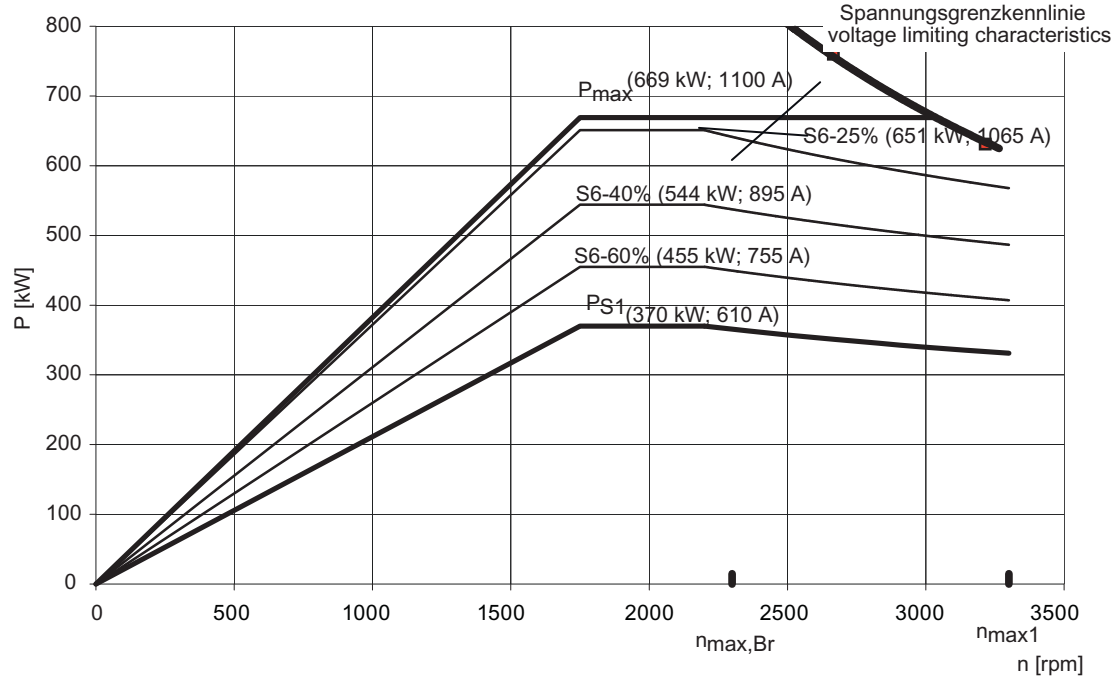


Table 2-295 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8284-□□F4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	370	2,019	610	3,300	-	-	2,300	2,200	3,650	1,100	2,019	610
1,500	319	2,031	620					3,300				



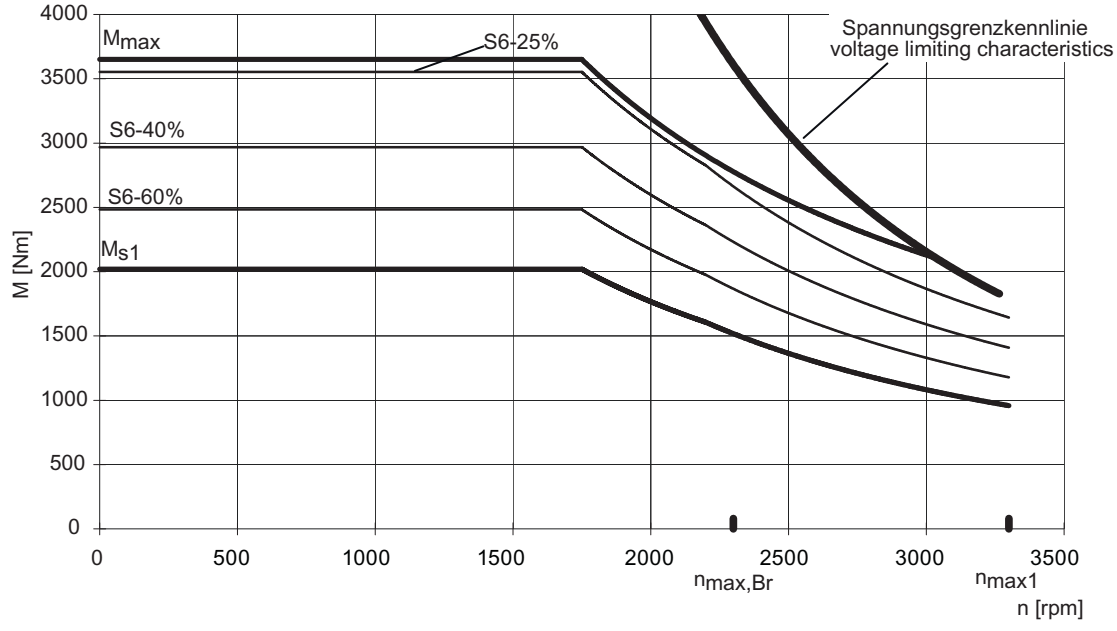


Table 2-296 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□F4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	415	1,981	600	3,300	-	-	2,300	2,200	3,650	1,100	1,981	600

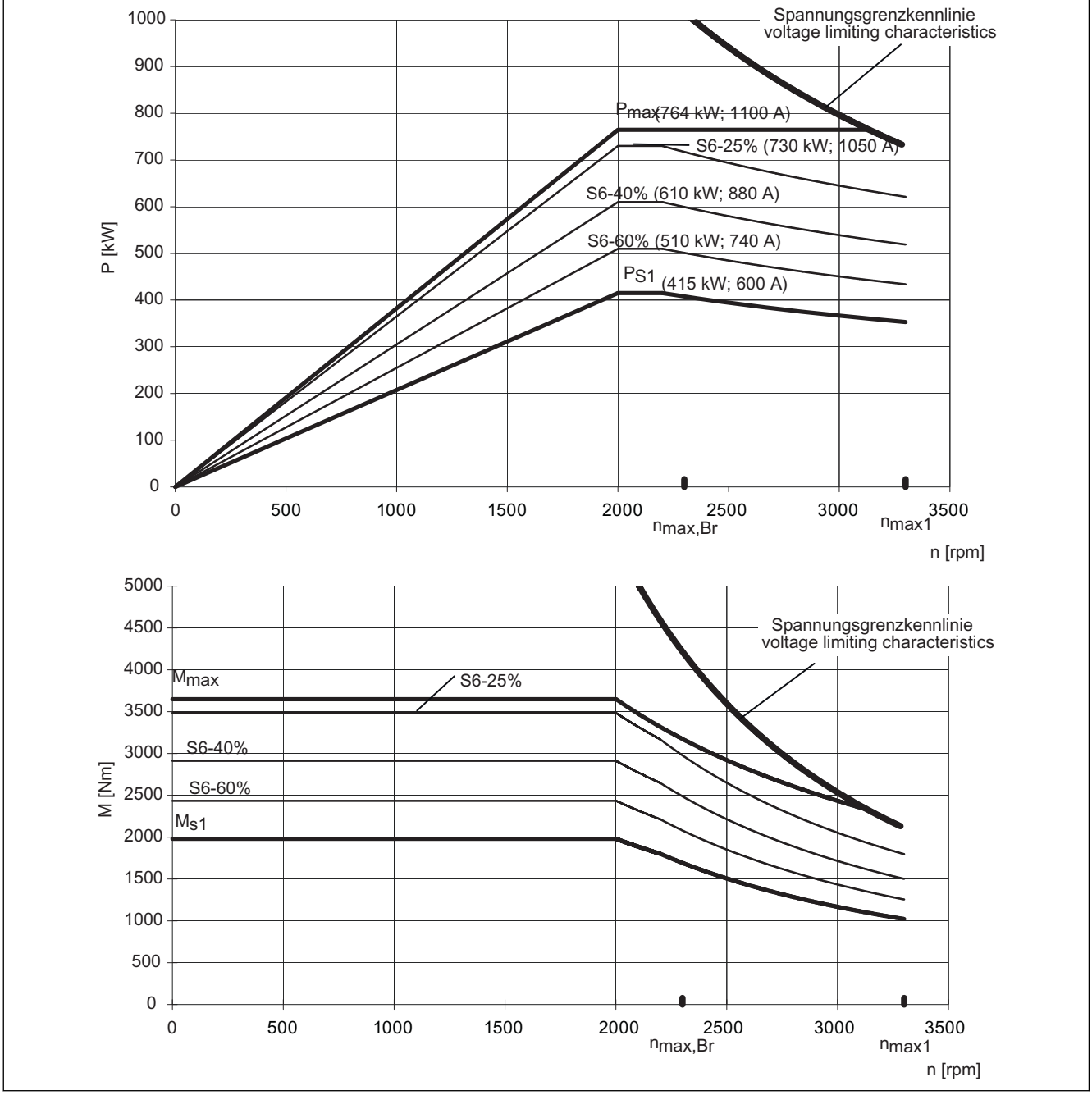


Table 2-297 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8284-□□F4□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,200	394	1710	520	3,300	-	-	2,300	2,400	3,650	1,100	2,031	520

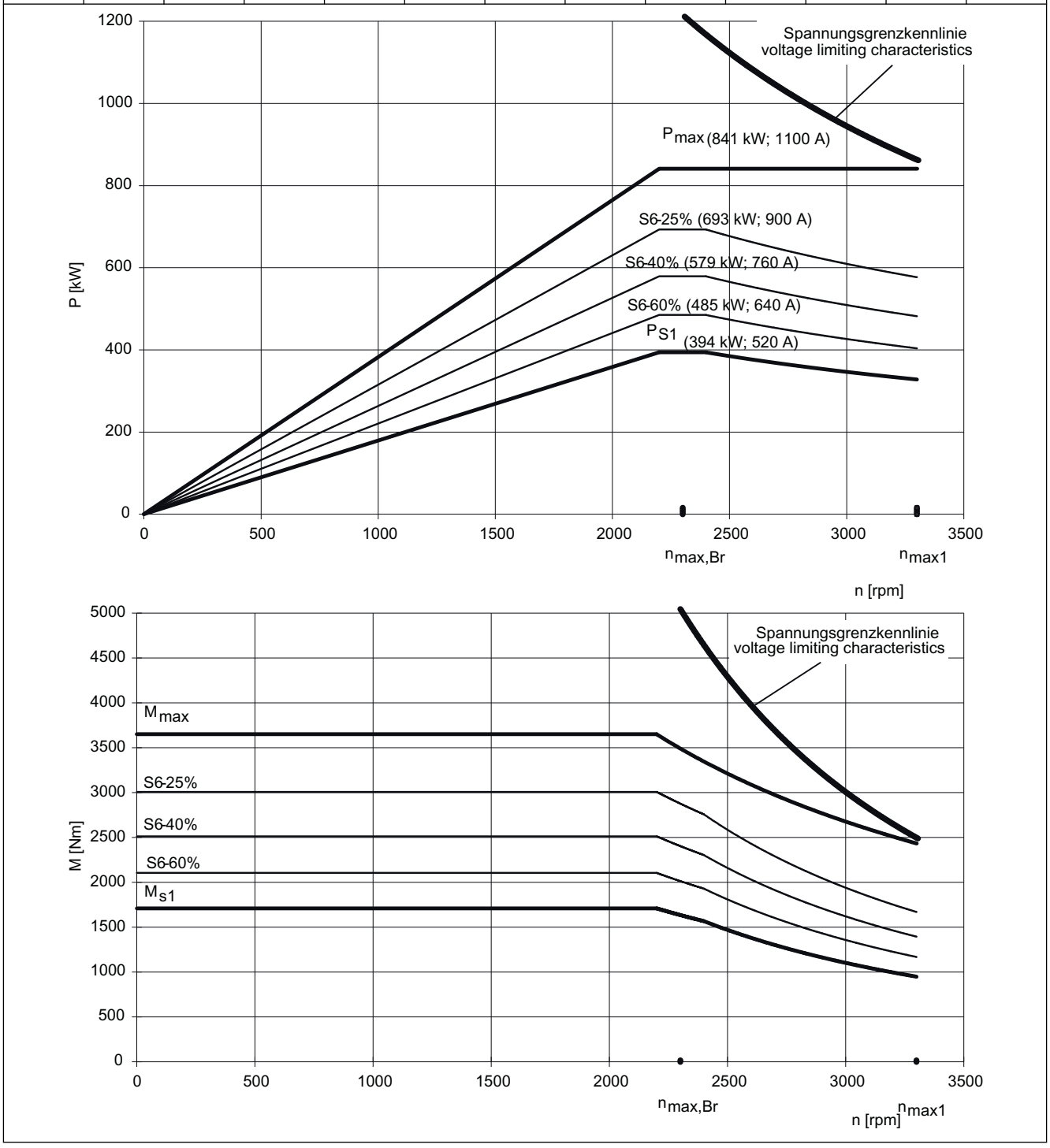
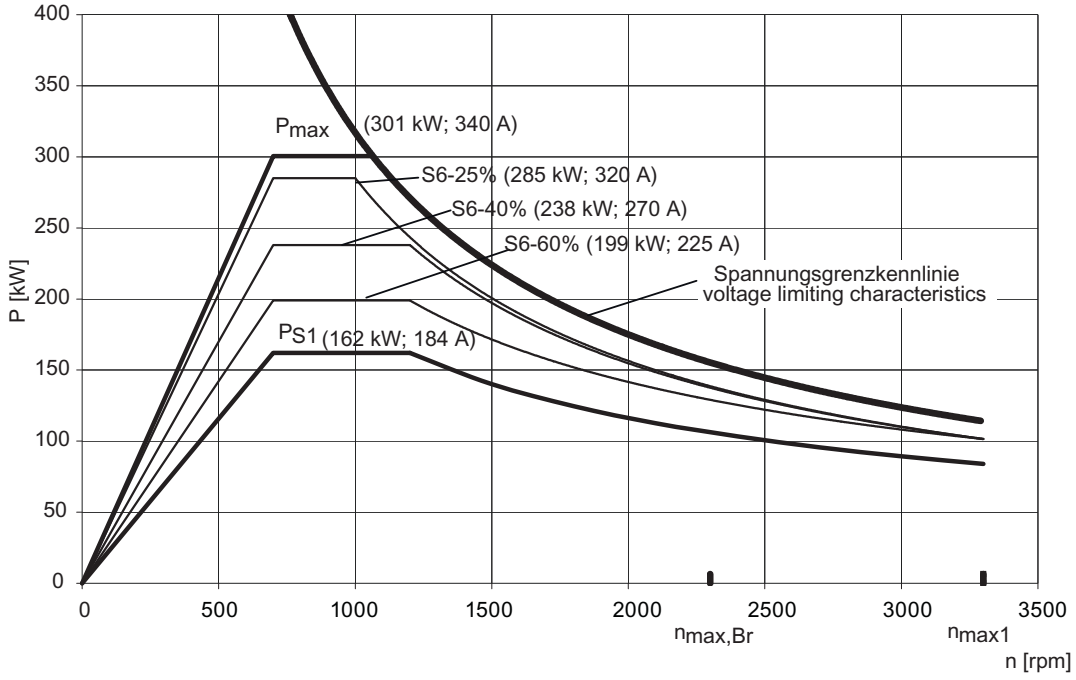


Table 2-298 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8284-□□K4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	162	2,210	184	3,300	-	-	2,300	1,200	4,100	340	2,210	184



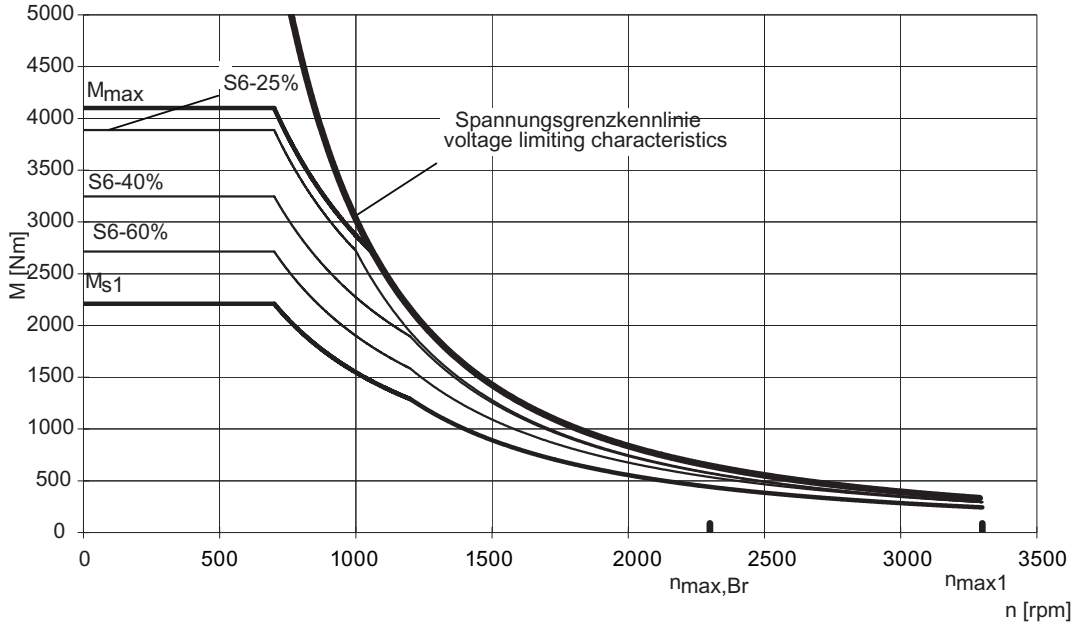
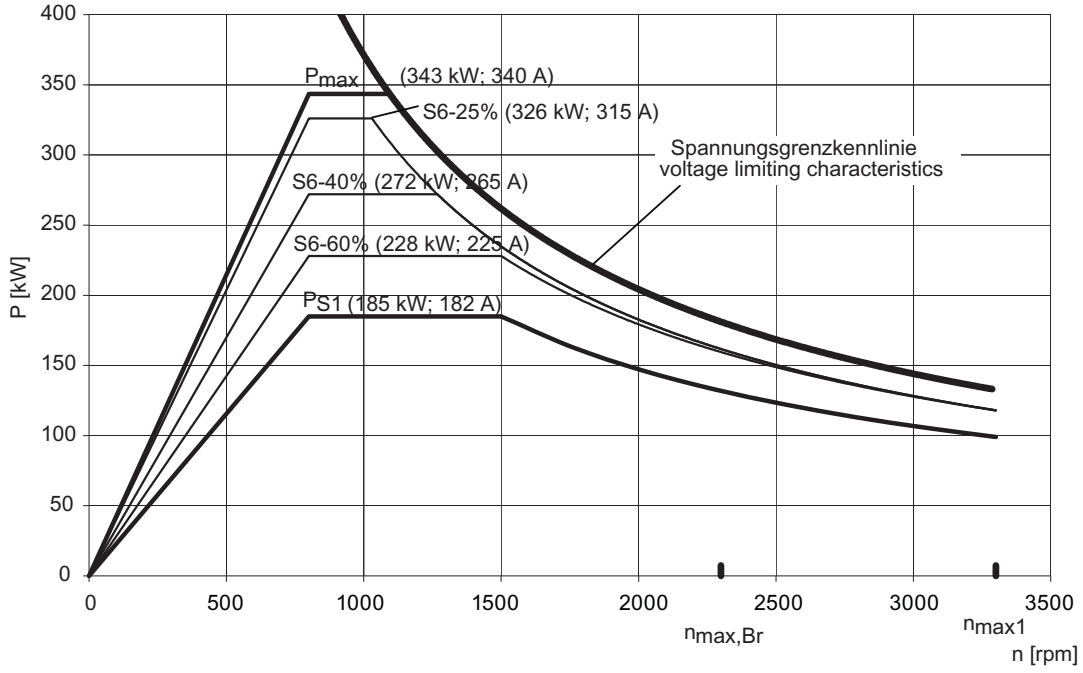


Table 2-299 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8284-□□K4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	185	2,208	182	3,300	-	-	2,300	1,500	4,100	340	2,208	182
700	162	2,210	184					1,800				



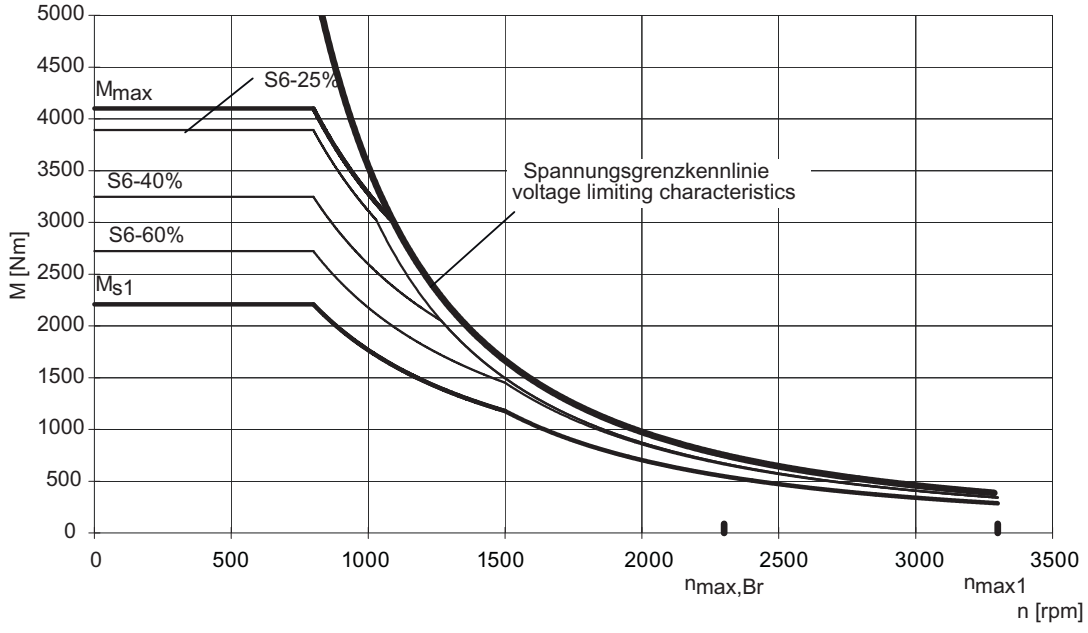
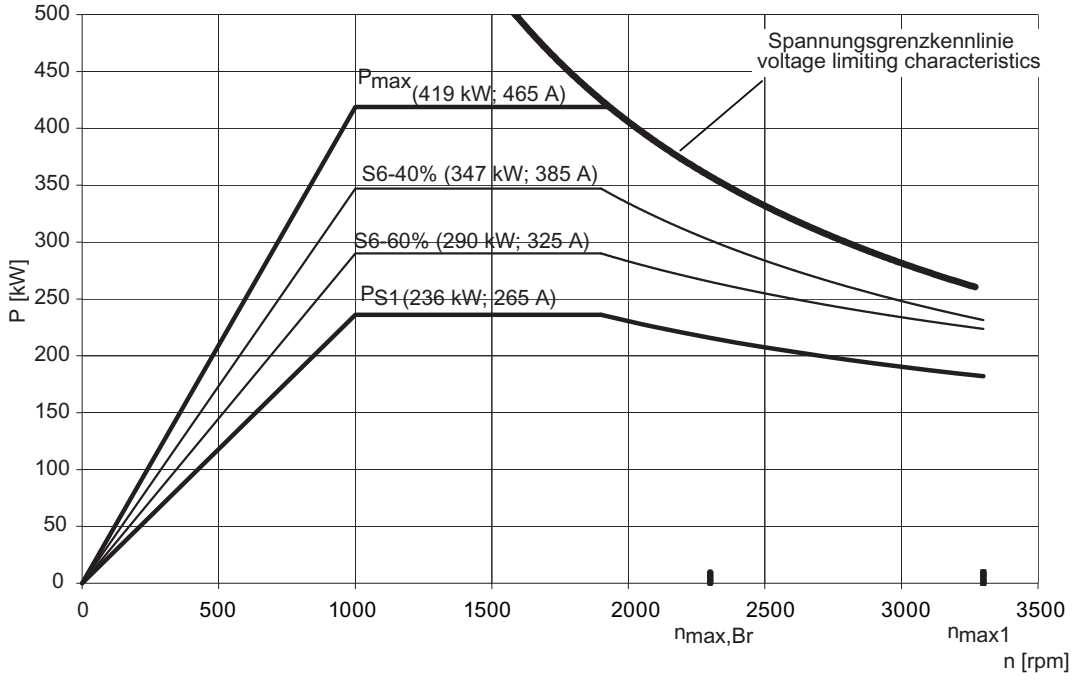


Table 2-300 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8284-□□U4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	236	2,254	265	3,300	-	-	2,300	1,900	4,000	465	2,254	265



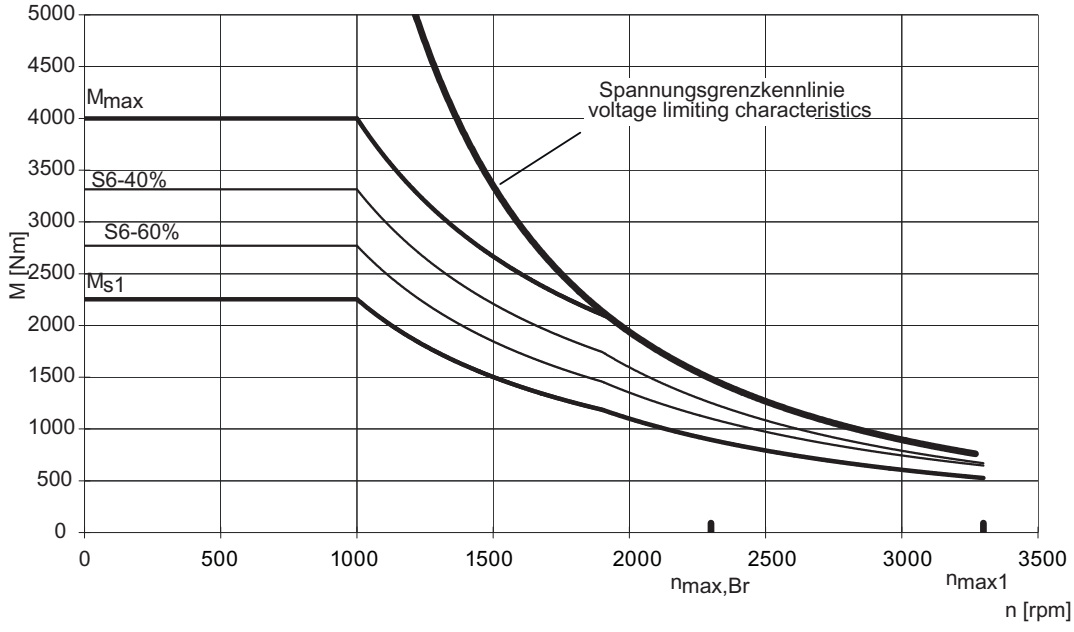
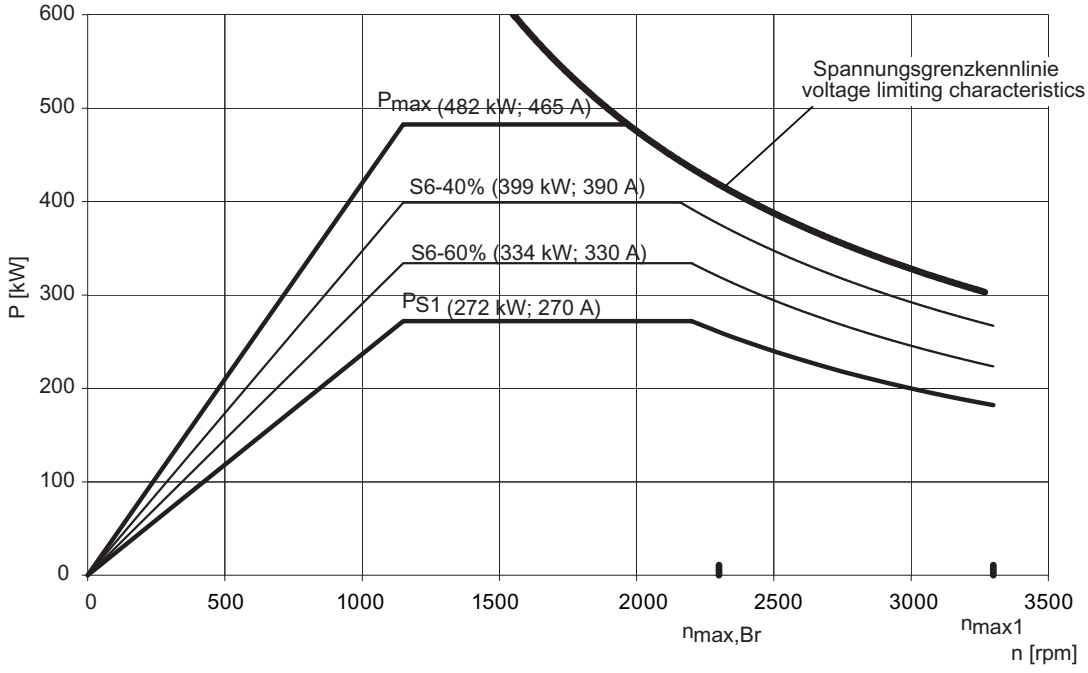


Table 2-301 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8284-□□U4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	272	2,255	270	3,300	-	-	2,300	2,200	4,000	465	2,255	270
1,000	236	2,254	265					2,500				



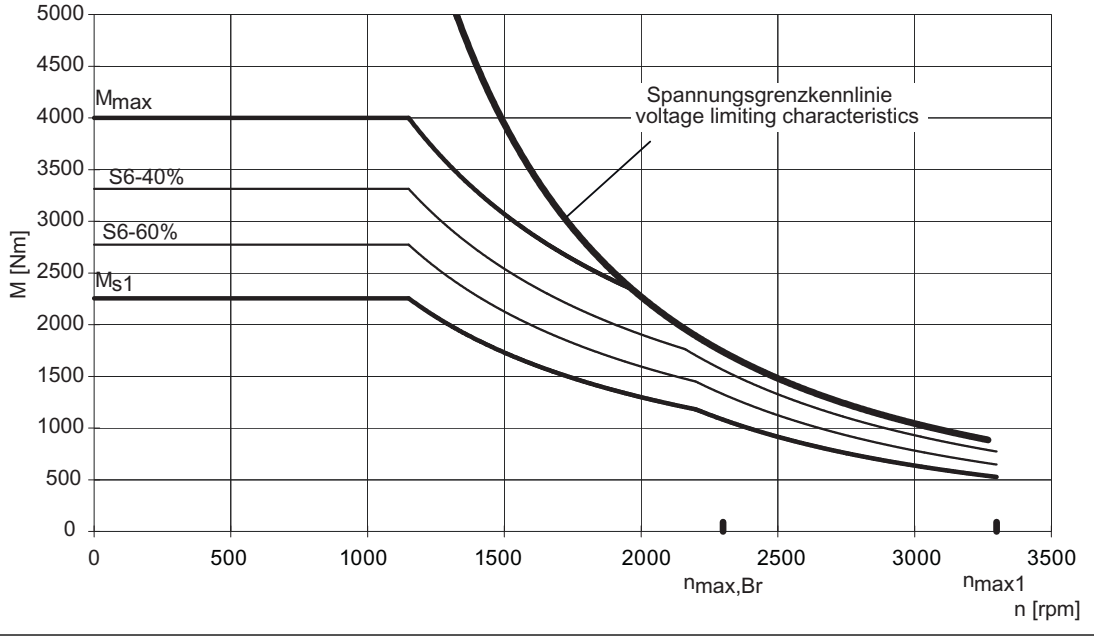


Table 2-302 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8284-□□W4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	307	1,955	345	3,300	-	-	2,300	1,900	3,550	620	1,955	345

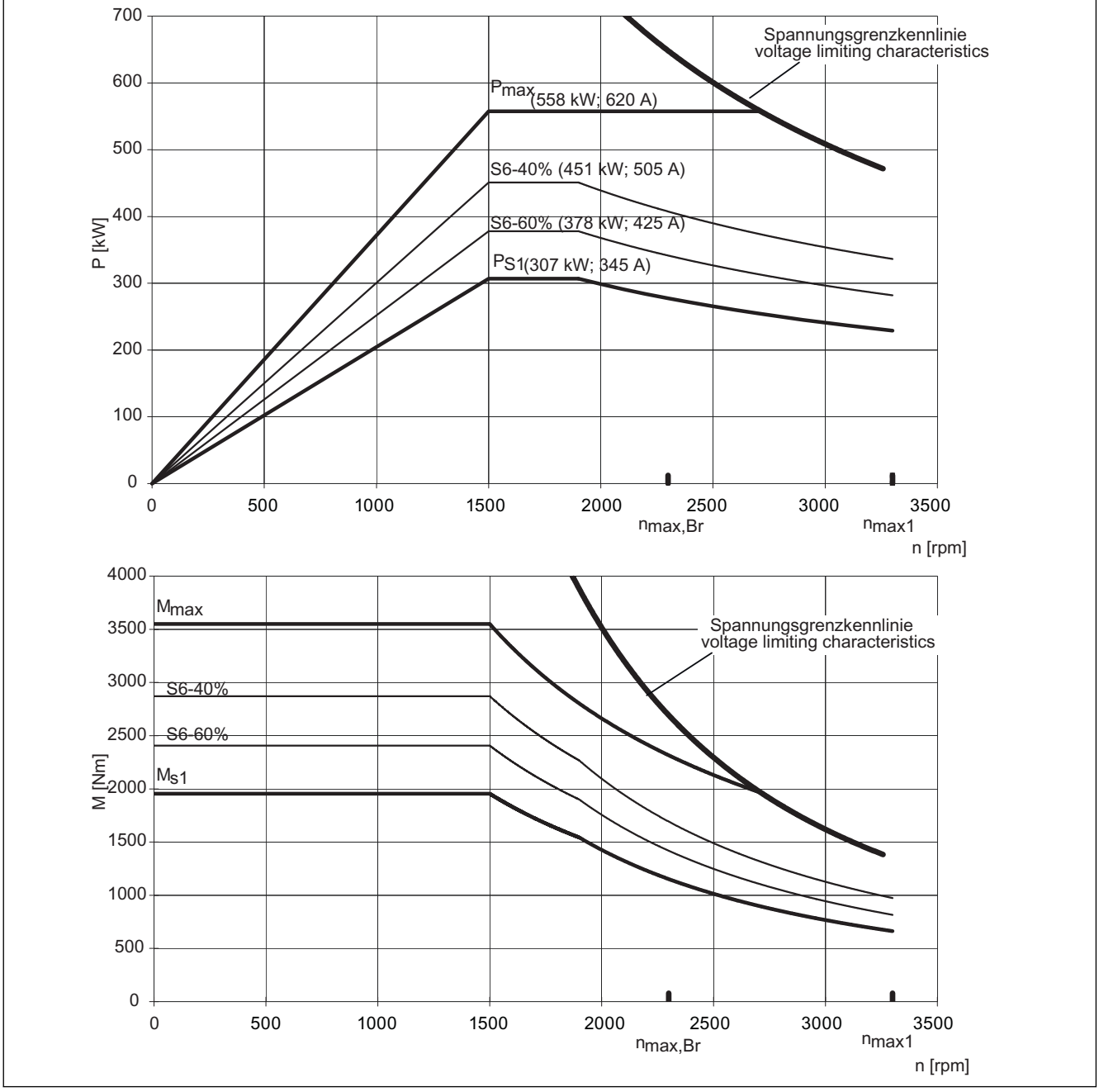
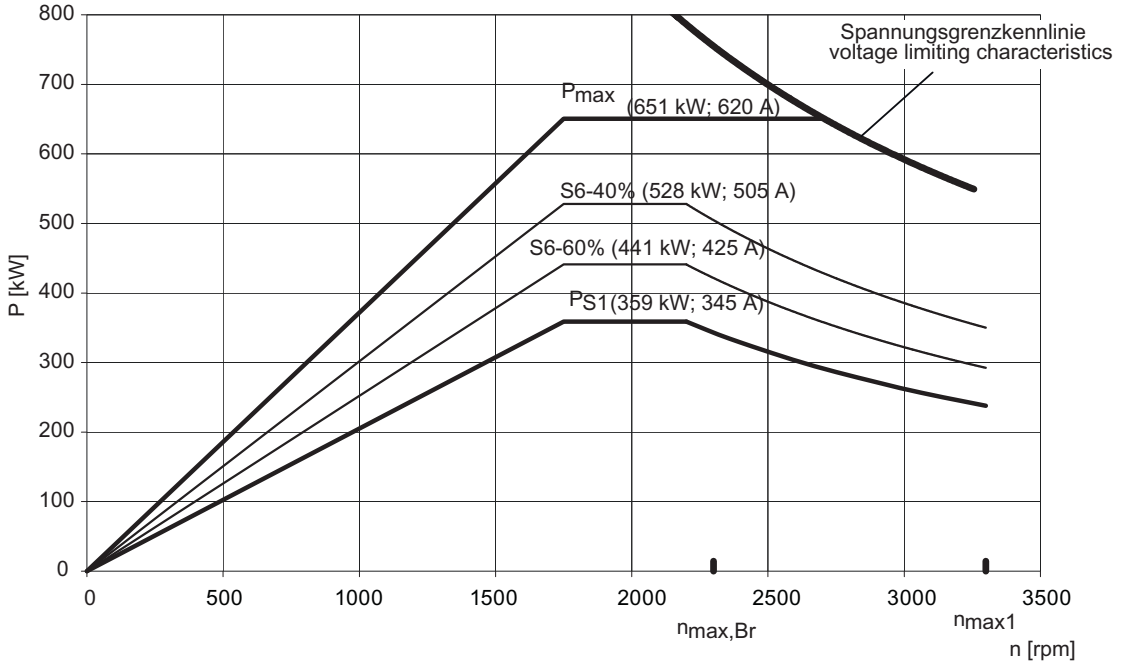


Table 2-303 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8284-□□W4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	359	1,959	345	3,300	-	-	2,300	2,200	3,550	620	1,959	345
1,500	307	1,955	345					2,600				



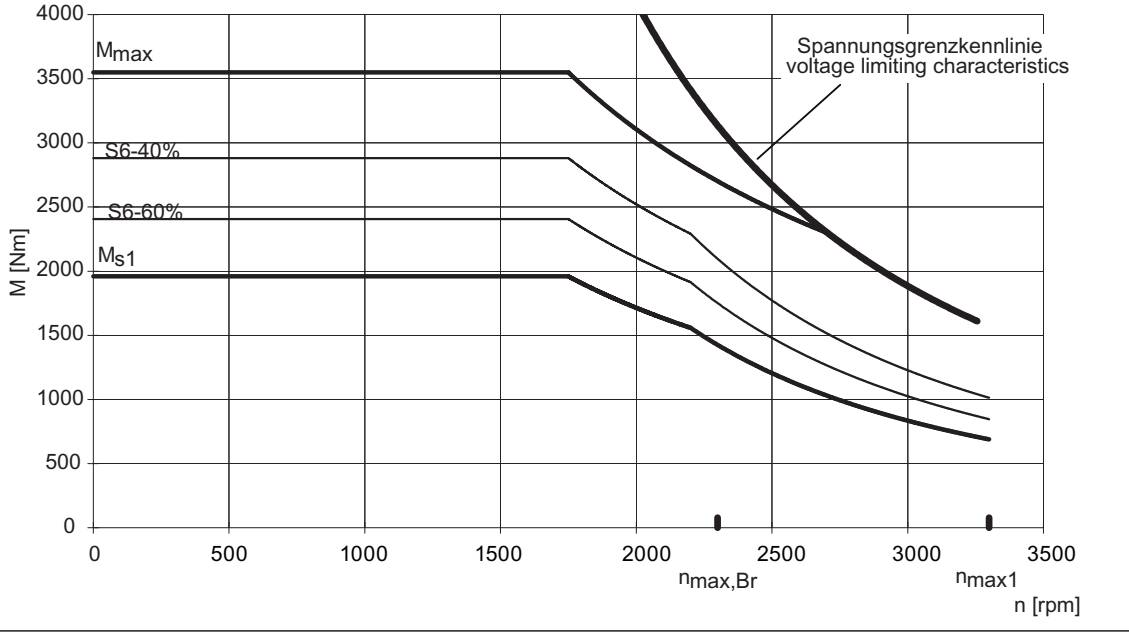
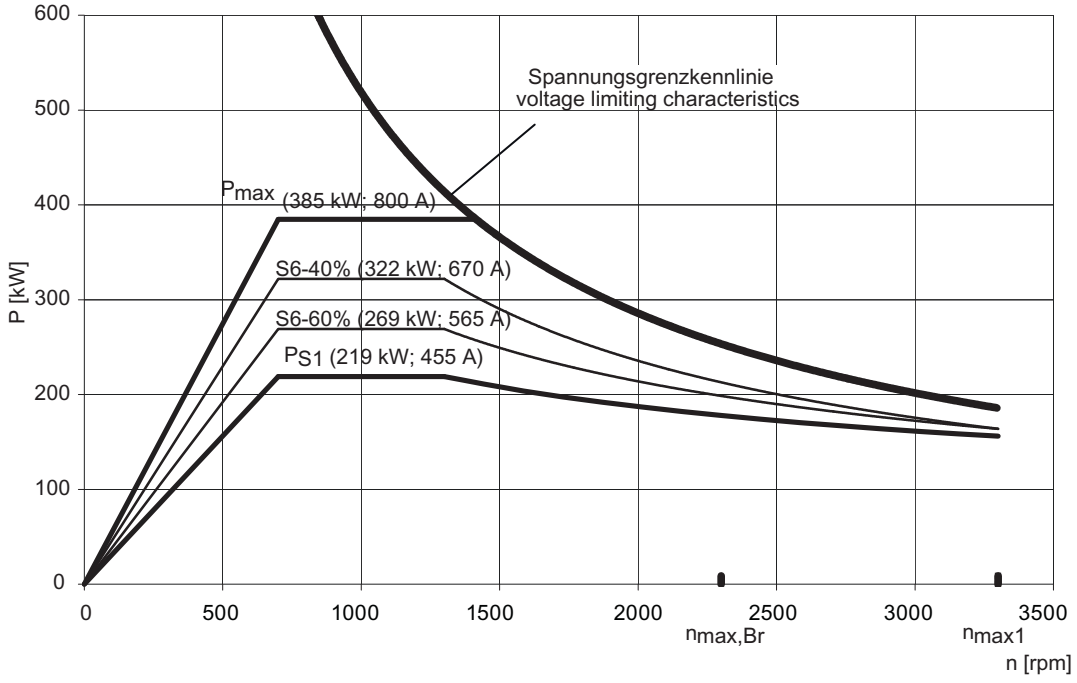


Table 2-304 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□C4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	219	2,988	455	3,300	-	-	2,300	1,300	5,250	800	2,988	455



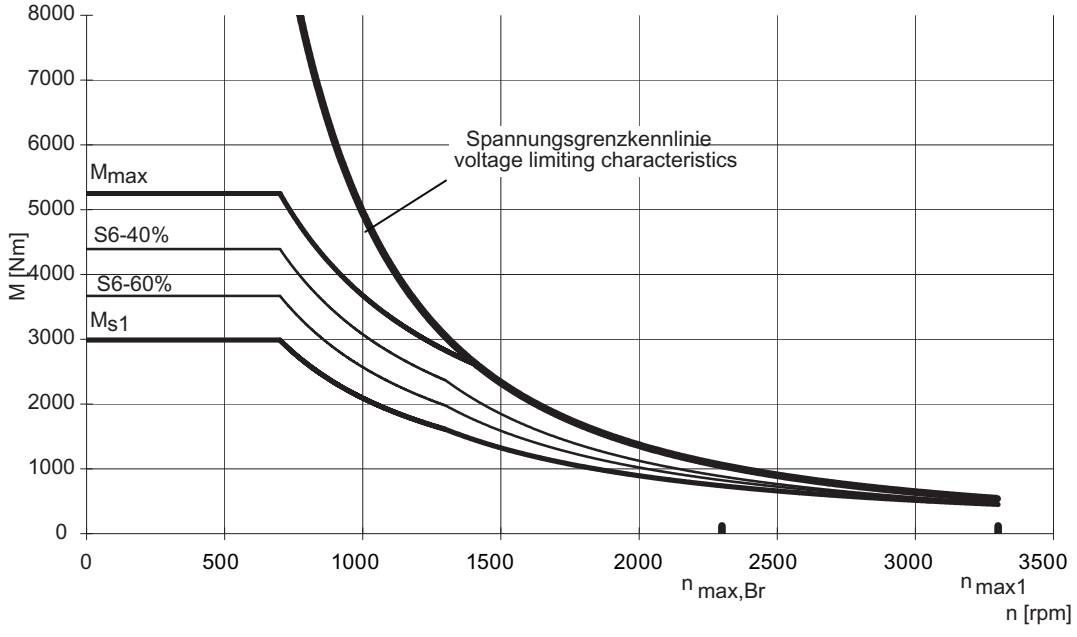
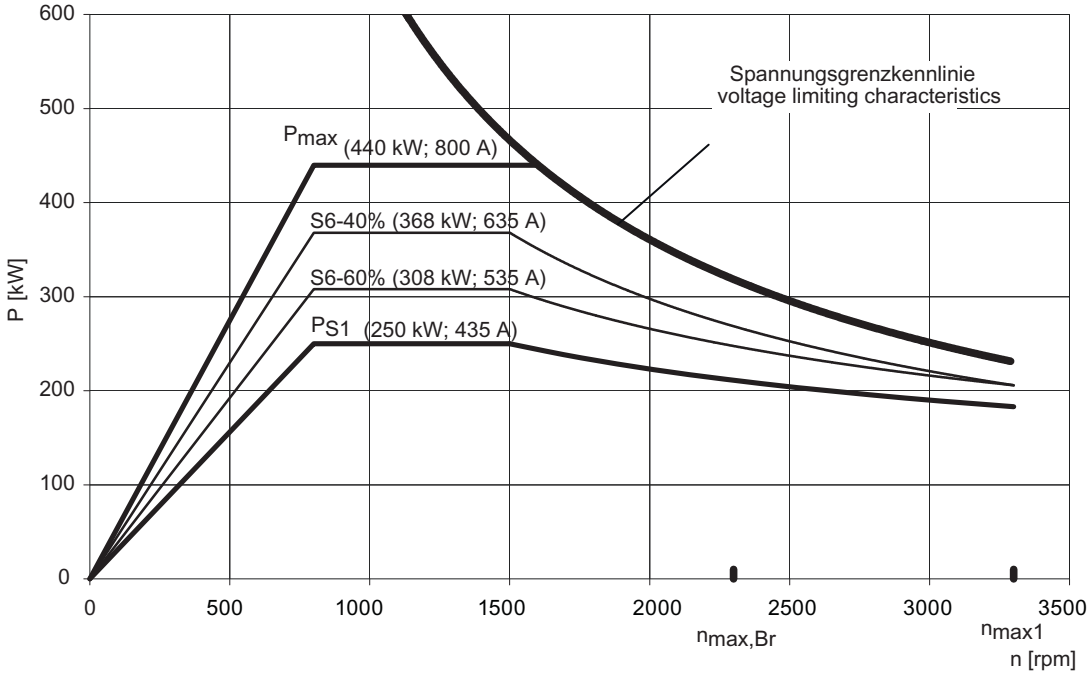


Table 2-305 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8286-□□C4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	250	2,984	435	3,300	-	-	2,300	1,500	5,250	800	2,984	435
700	219	2,988	455					2,100				



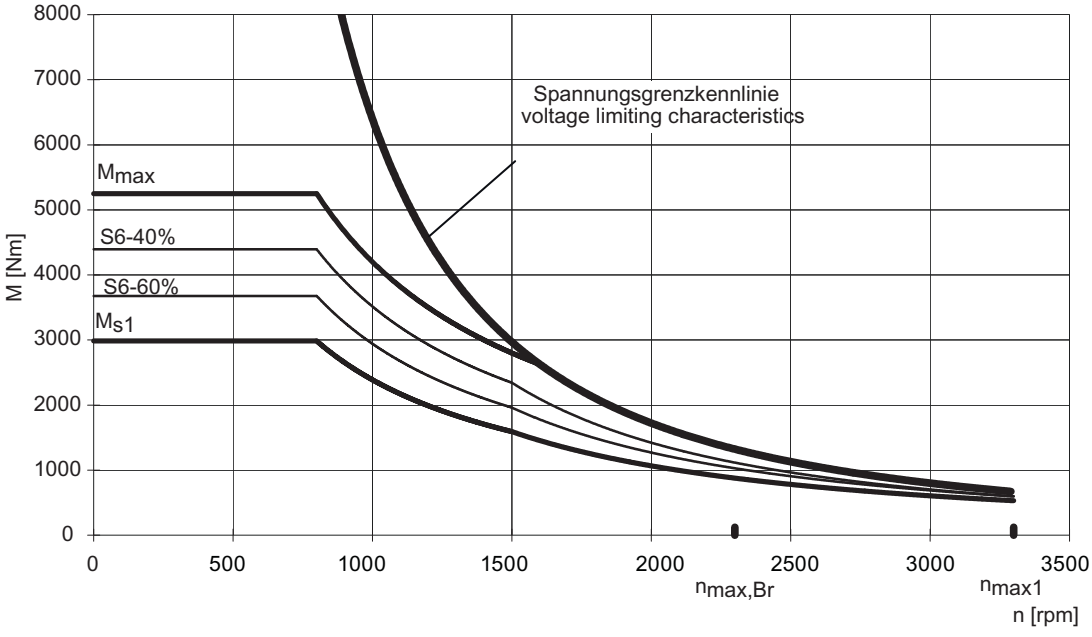
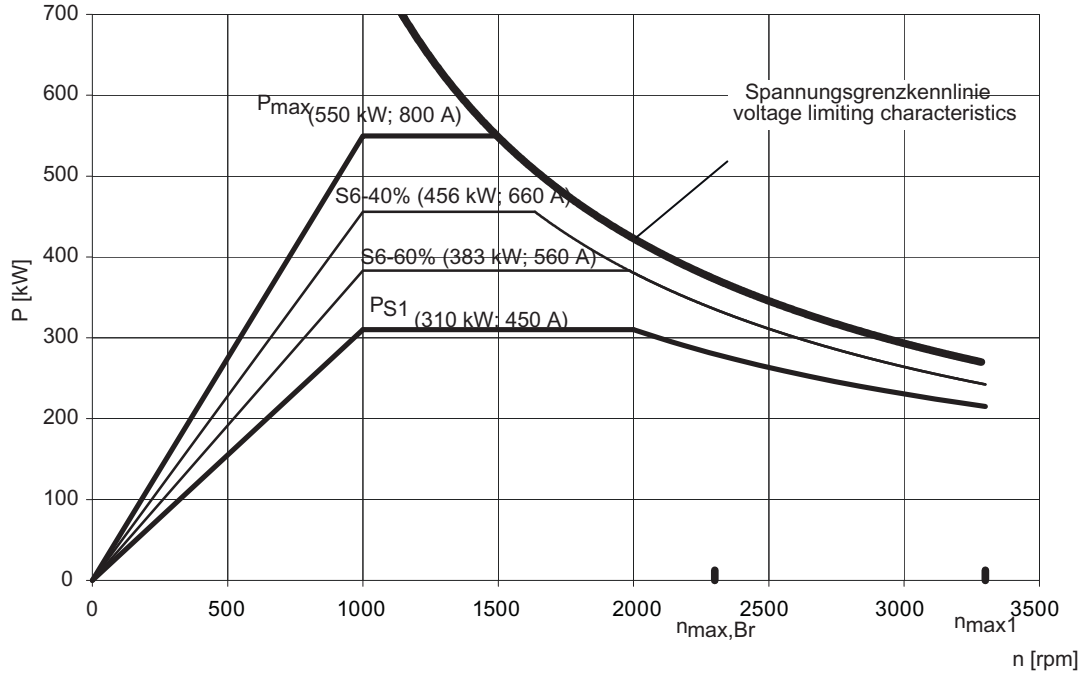


Table 2-306 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□C4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	310	2,961	450	3,300	-	-	2,300	2,000	5,250	800	2,961	450



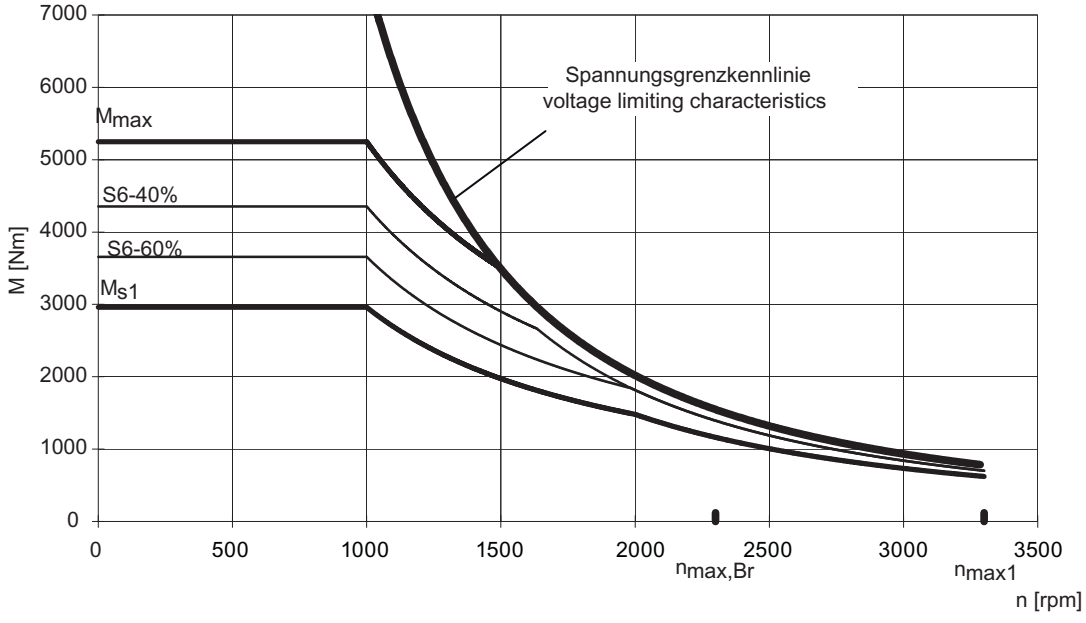


Table 2-307 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8286-□□C4□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,100	330	2,865	440	3,300	-	-	2,300	2,000	5,250	800	2,988	440

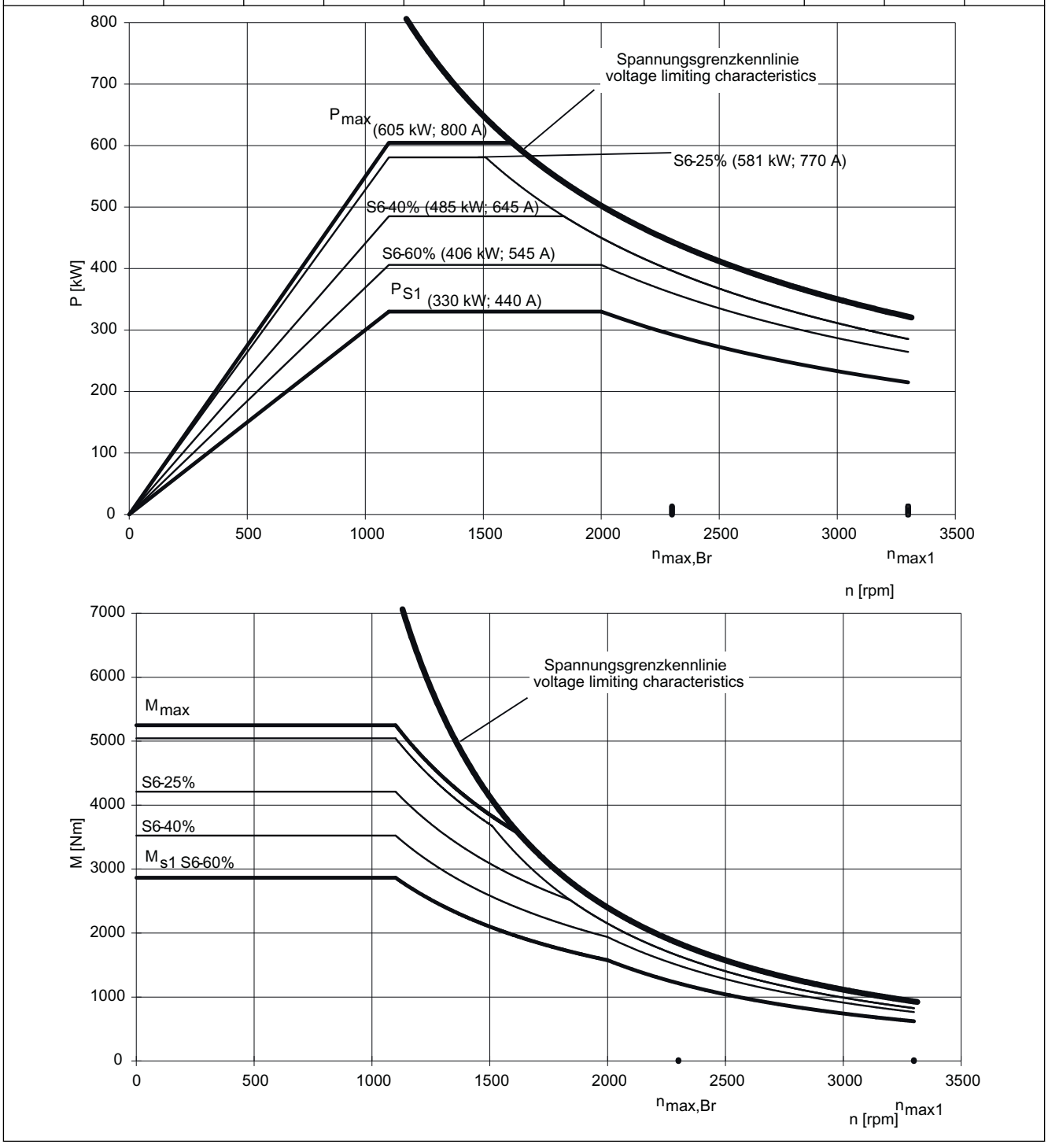


Table 2-308 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□D4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	309	2,951	630	3,300	-	-	2,300	2,000	5,150	1,080	2,951	630

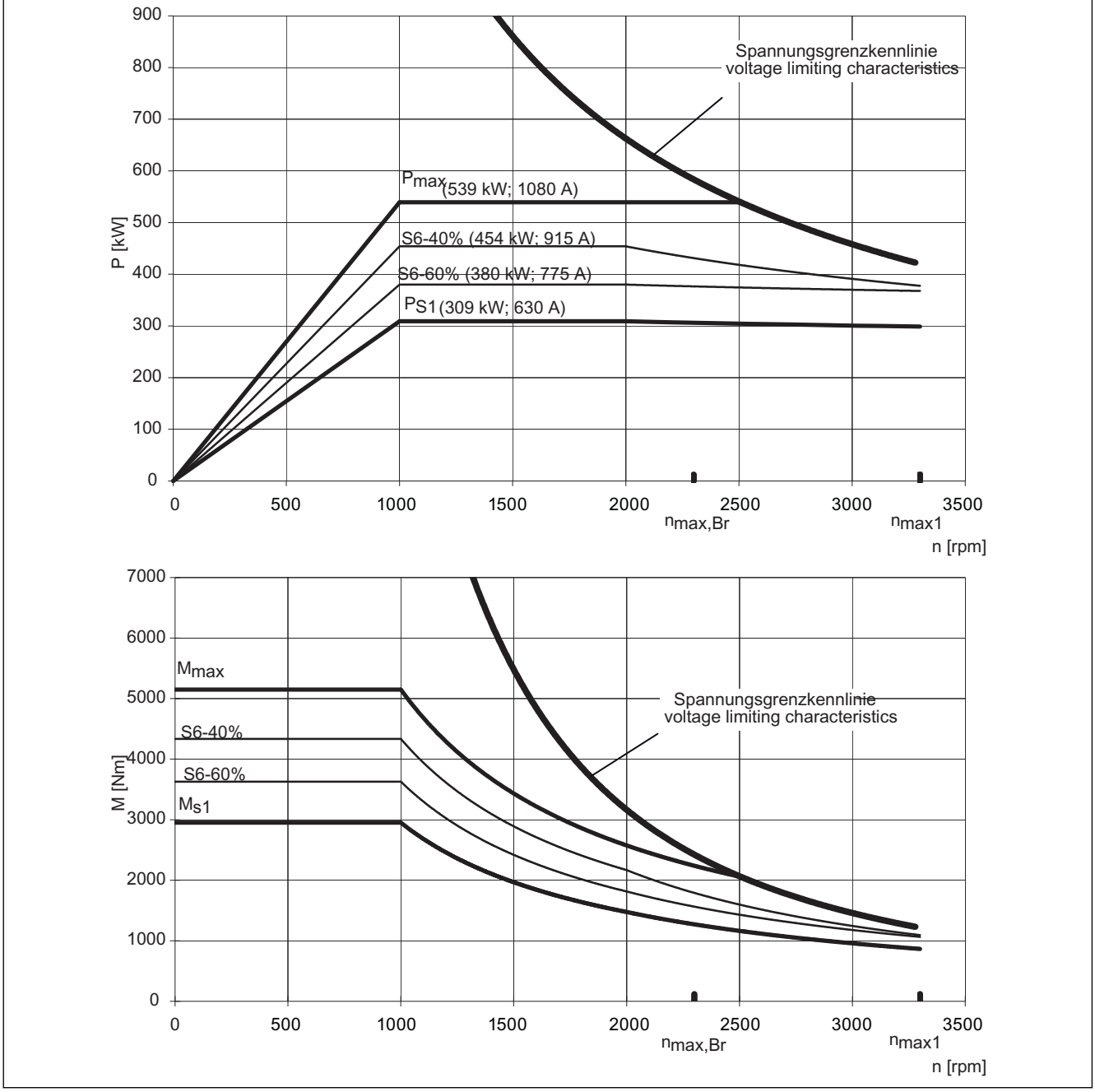
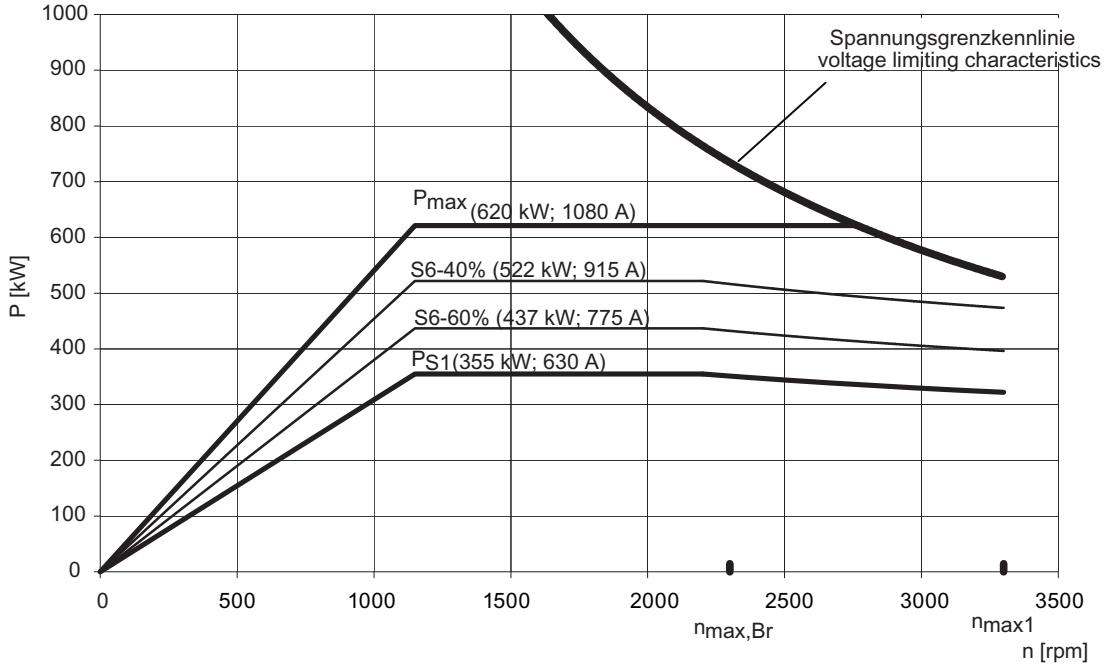


Table 2-309 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8286-□□D4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	355	2,944	630	3,300	-	-	2,300	2,200	5,150	1,080	2,944	630
1,000	309	2,951	630					3,300				



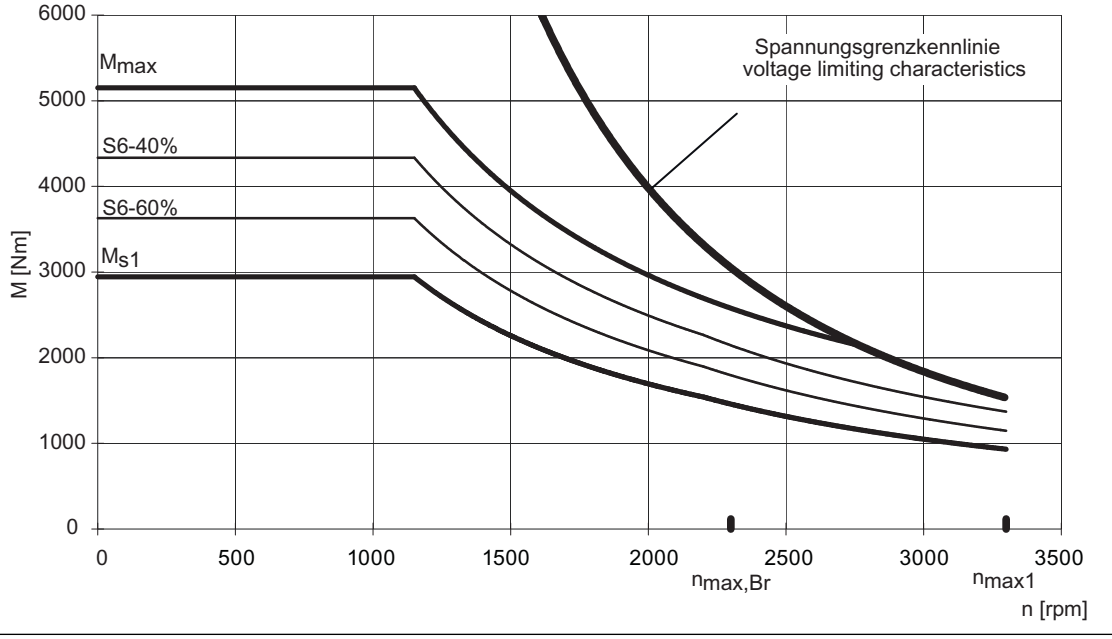
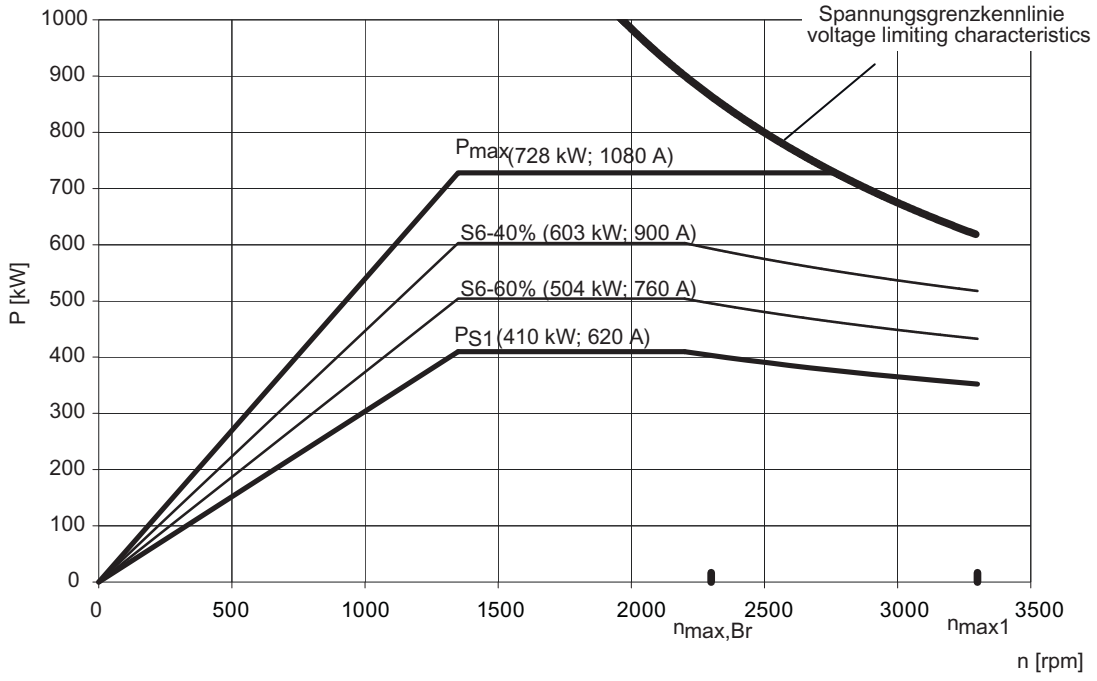


Table 2-310 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□D4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	410	2,901	620	3,300	-	-	2,300	2,200	5,150	1,080	2,901	620



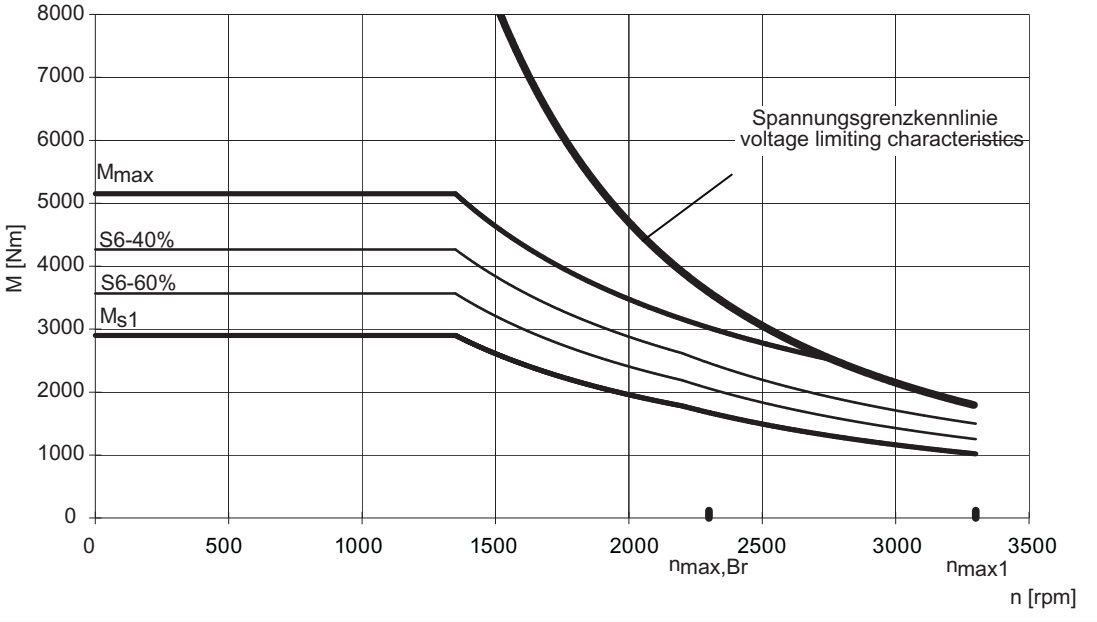


Table 2-311 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8286-□□D4□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	410	2,610	560	3,300	-	-	2,300	2,200	5,150	1,080	2,951	560

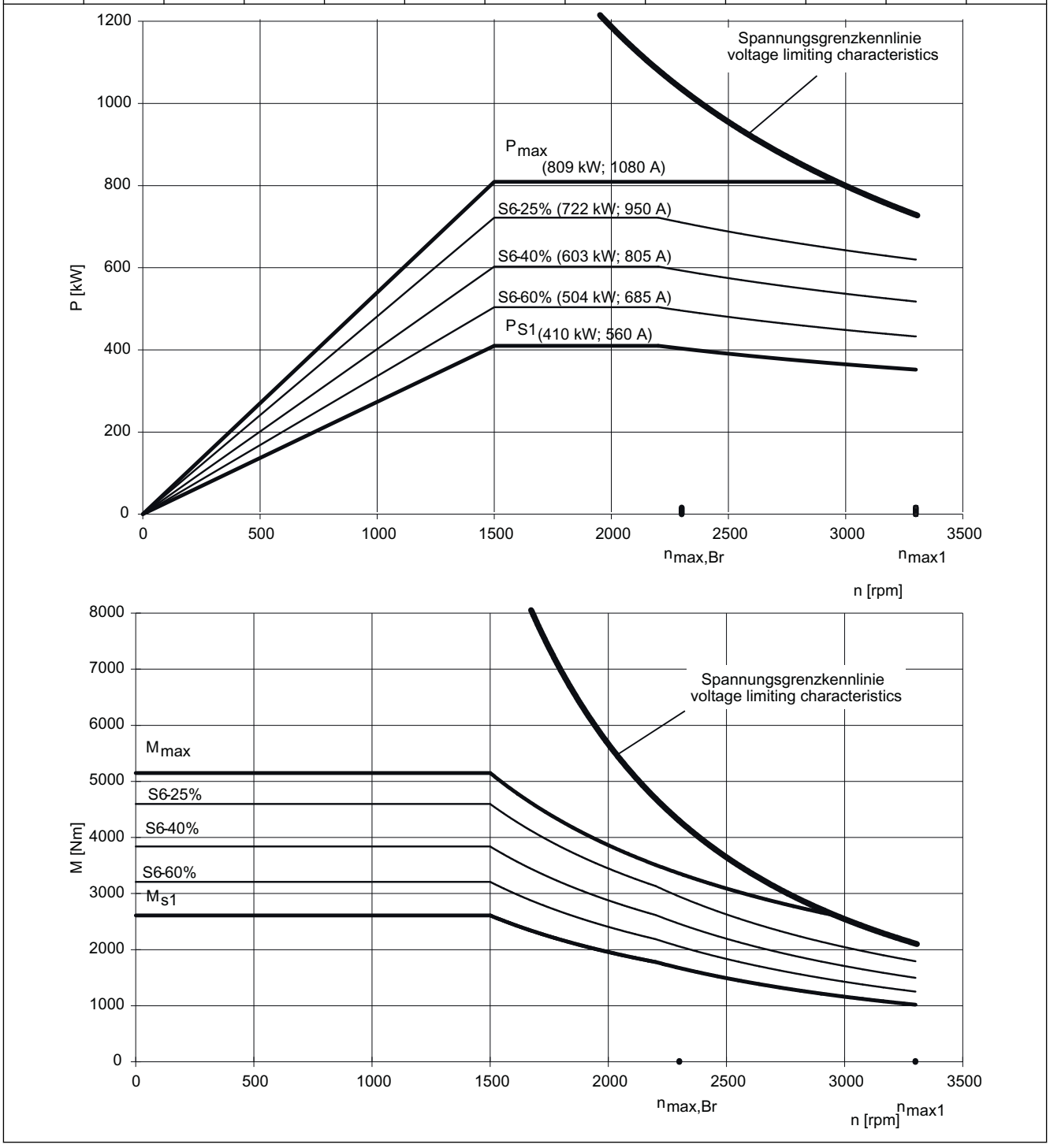


Table 2-312 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□F4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	382	2,432	730	3,300	-	-	2,300	2,000	4,500	1,360	2,432	730

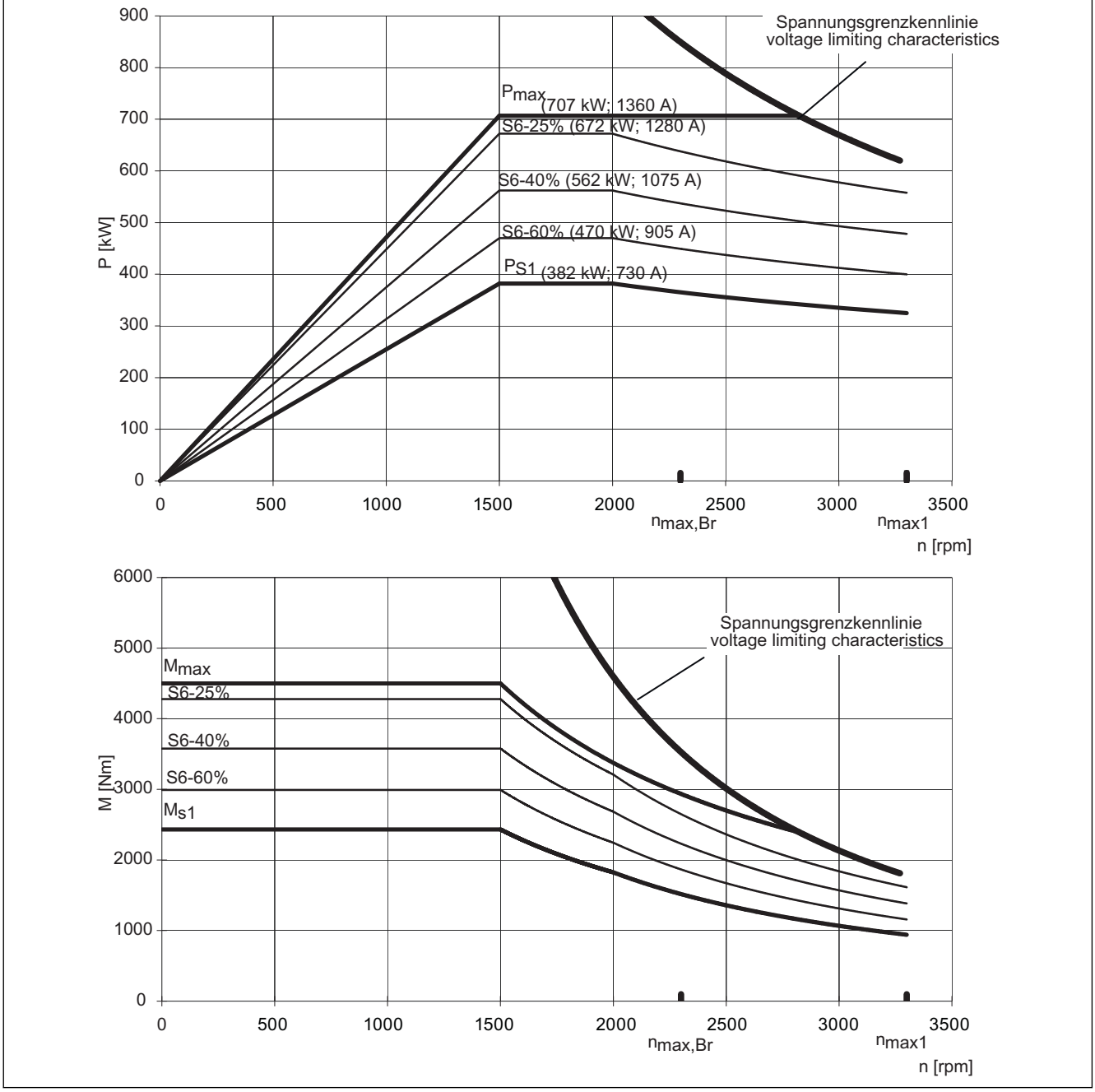
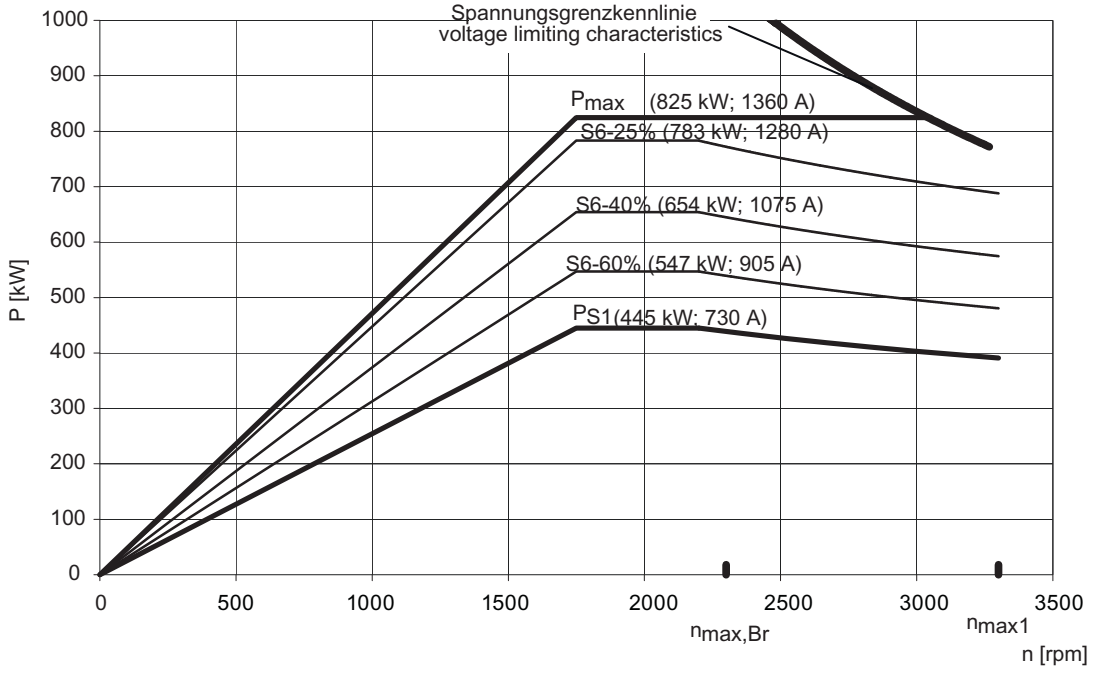


Table 2-313 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8286-□□F4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	445	2,429	730	3,300	-	-	2,300	2,200	4,500	1,360	2,429	730
1,500	382	2,432	730					3,300				



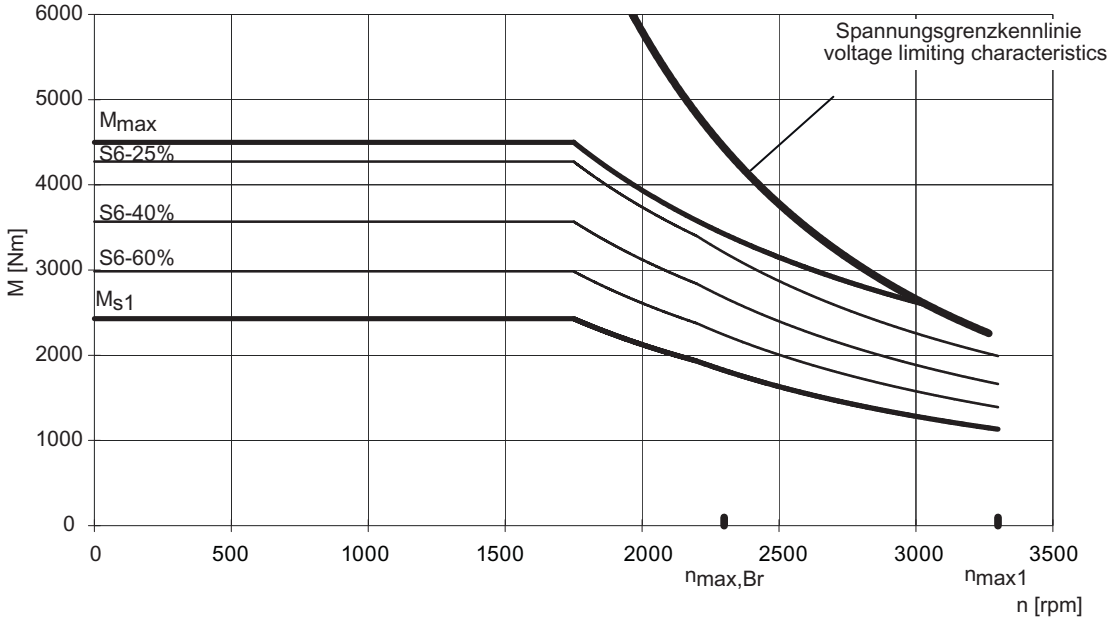
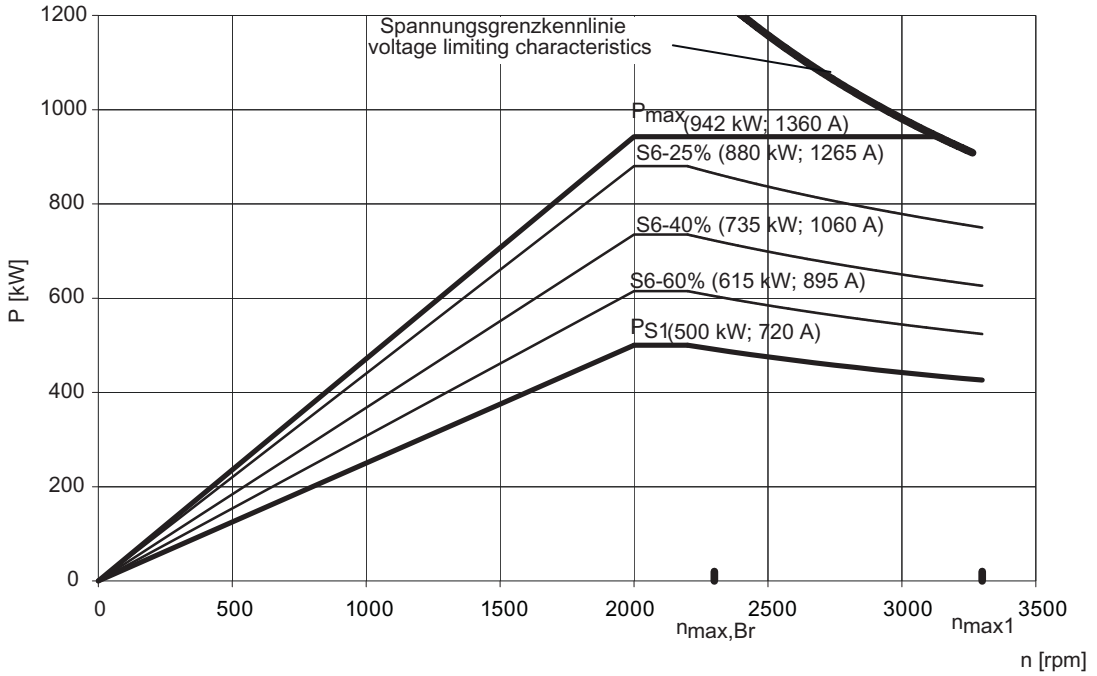


Table 2-314 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□F4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	500	2,387	720	3,300	-	-	2,300	2,200	4,500	1,360	2,387	720



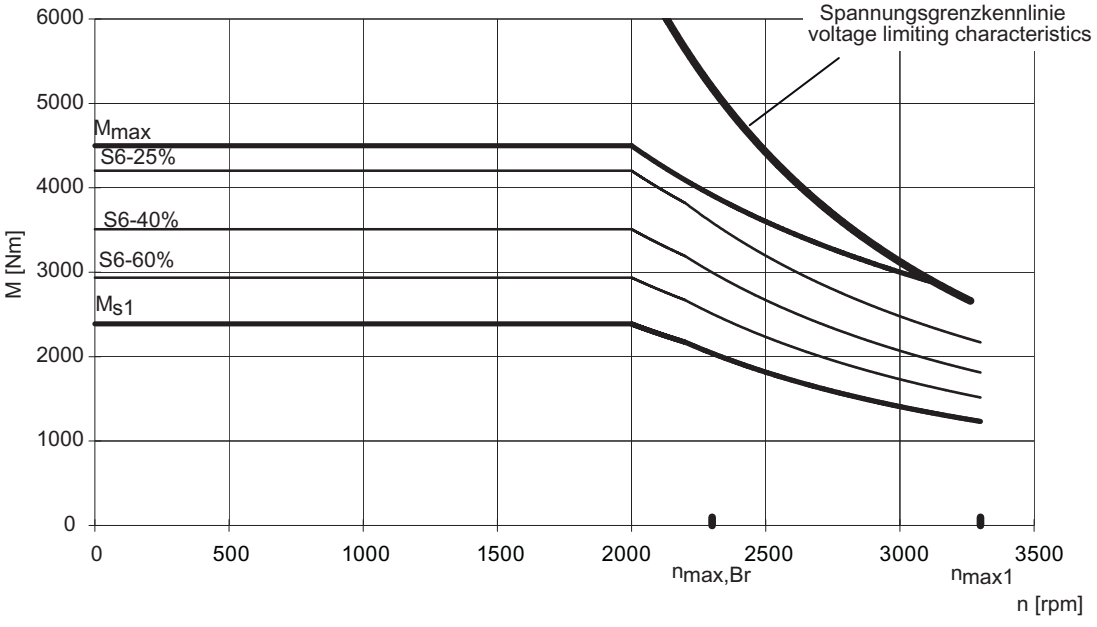


Table 2-315 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□F4□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,200	475	2,062	620	3,300	-	-	2,300	2,400	4,500	1,360	2,432	620

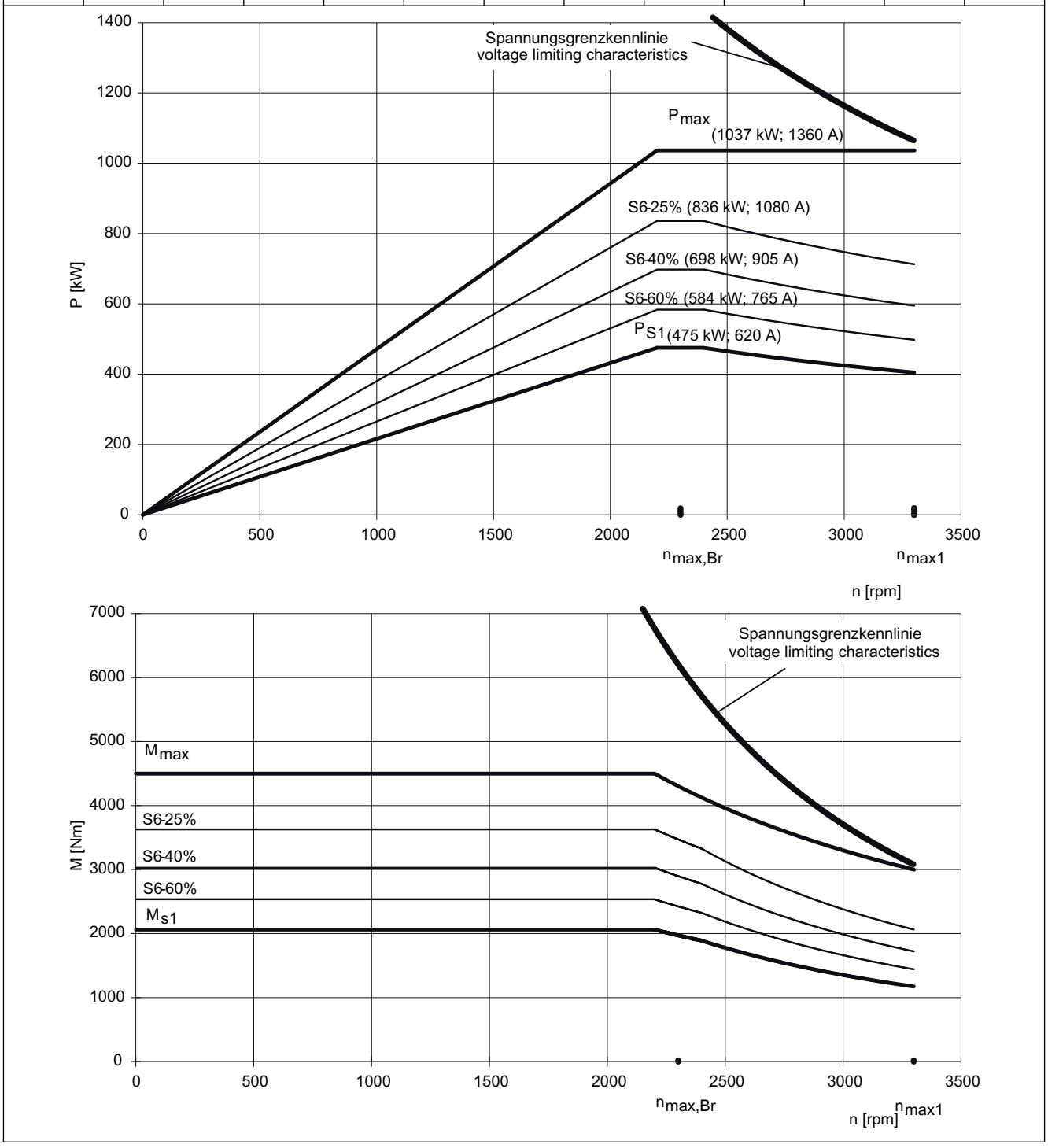
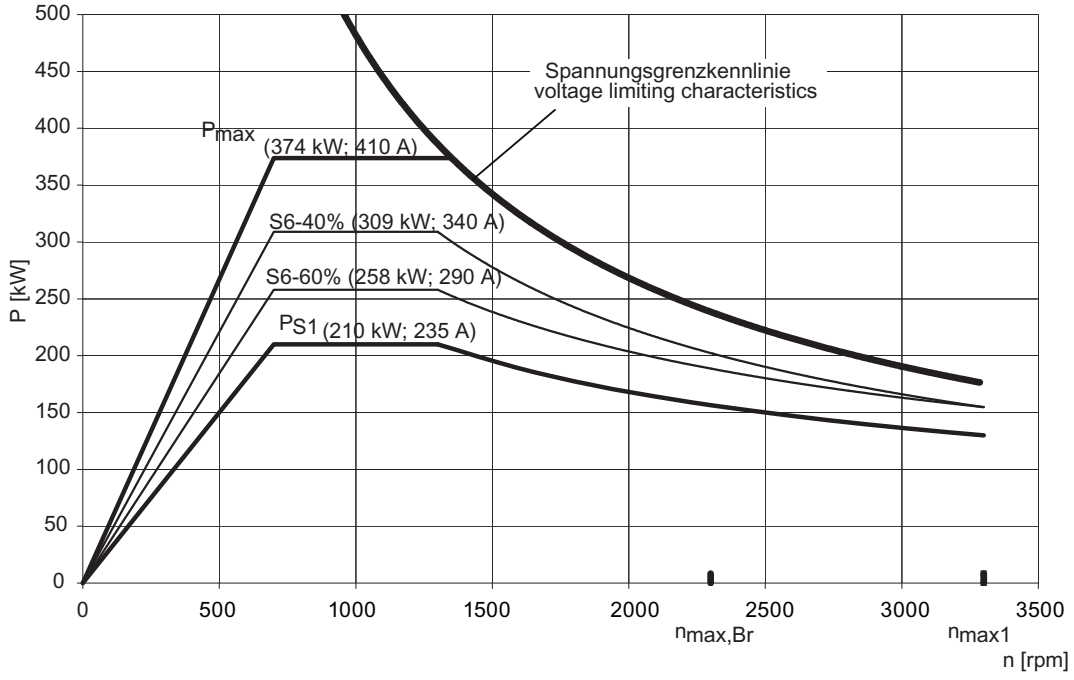


Table 2-316 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8286-□□K4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	210	2,865	235	3,300	-	-	2,300	1,300	5,100	410	2,865	235



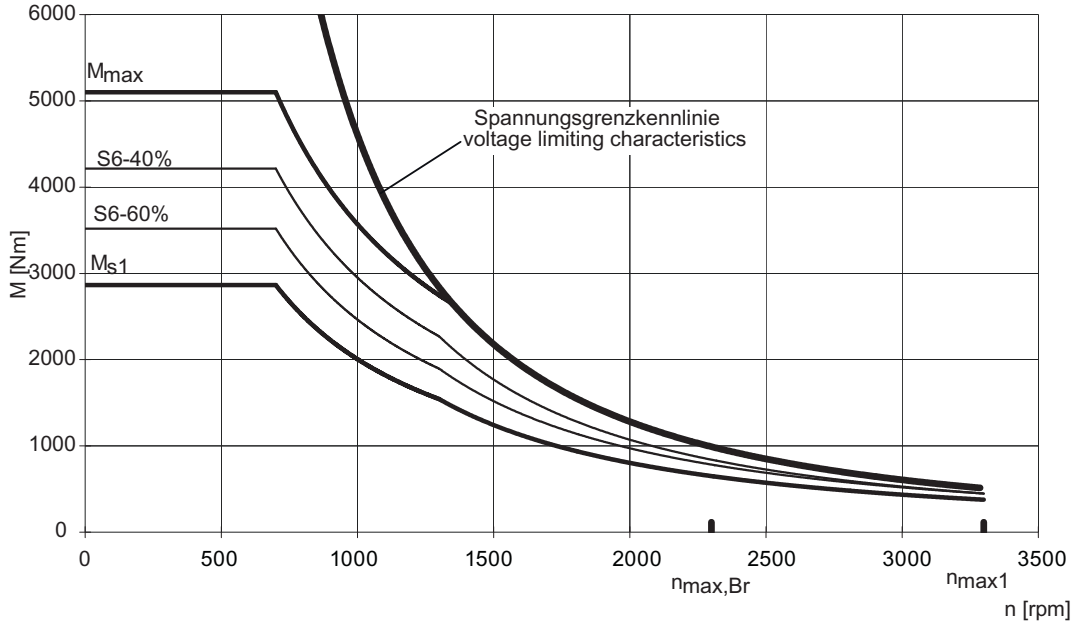
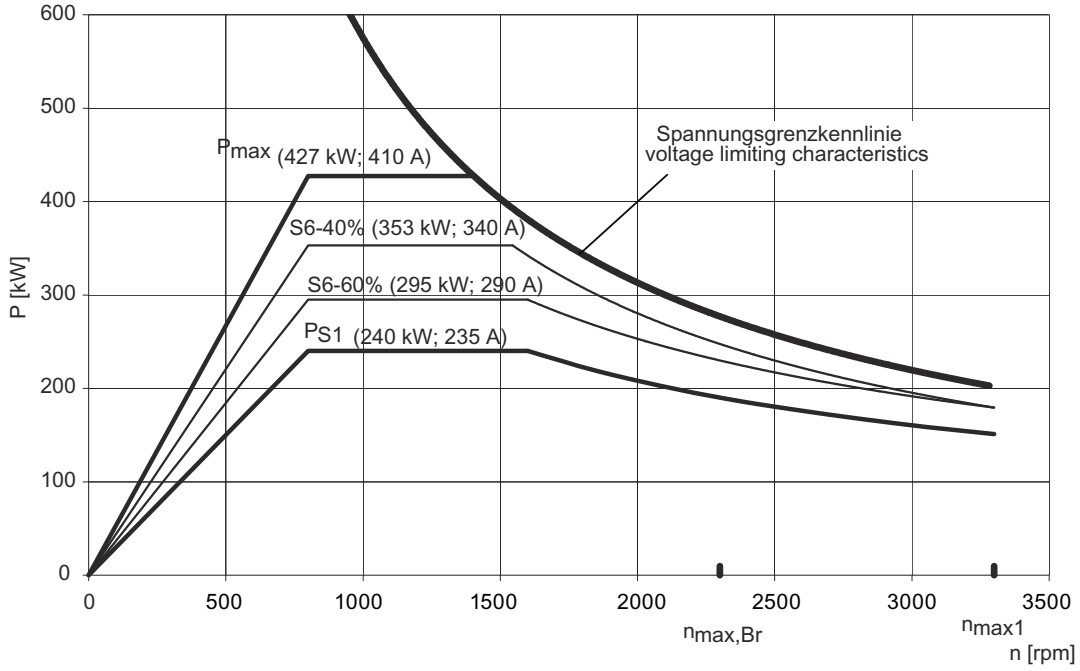


Table 2-317 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8286-□□K4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	240	2,865	235	3,300	-	-	2,300	1,600	5,100	410	2,865	235
700	210	2,865	235					2,000				



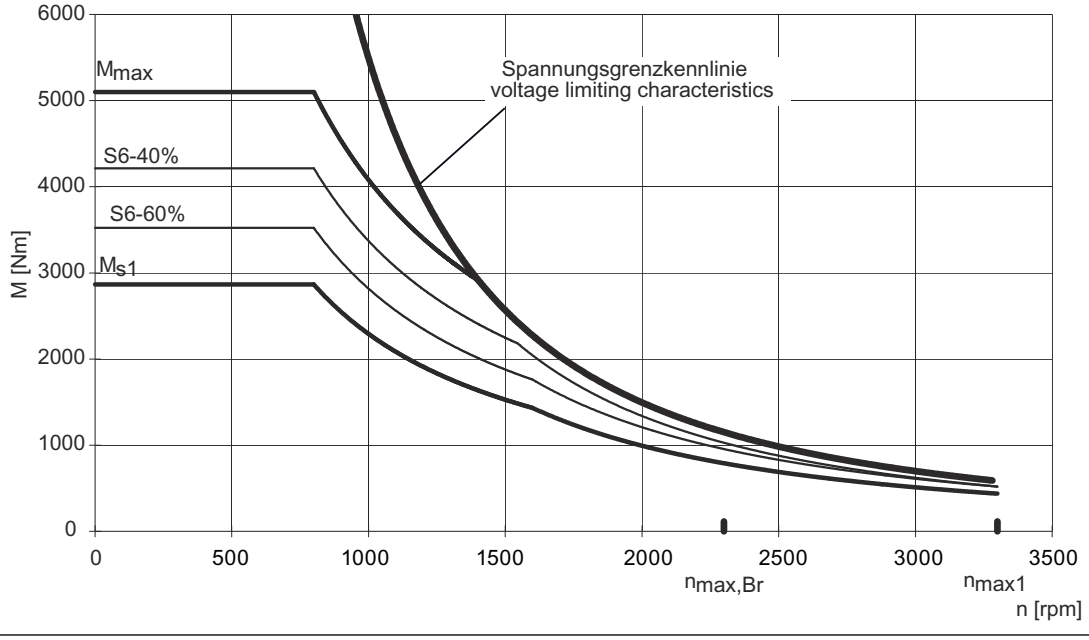
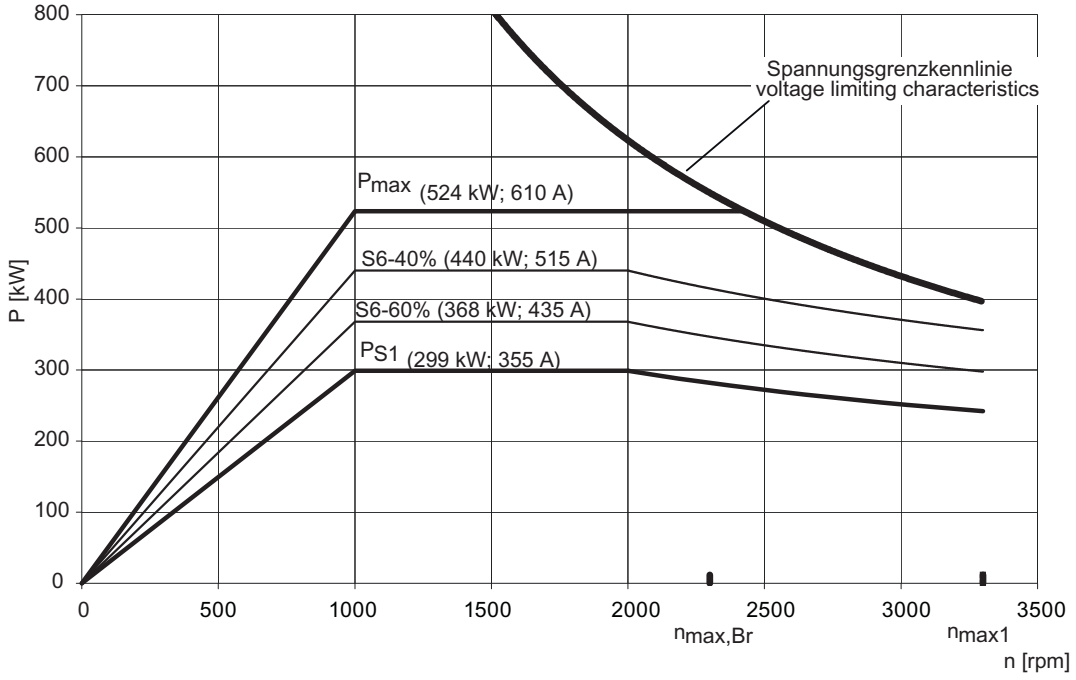


Table 2-318 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8286-□□U4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	299	2,855	355	3,300	-	-	2,300	2,000	5,000	610	2,855	355



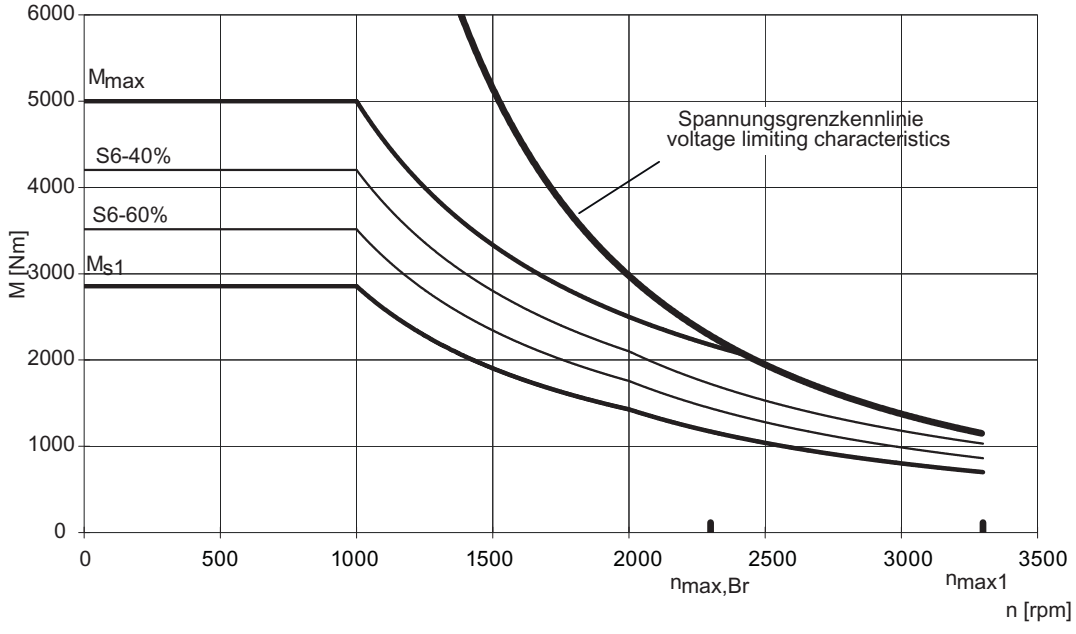
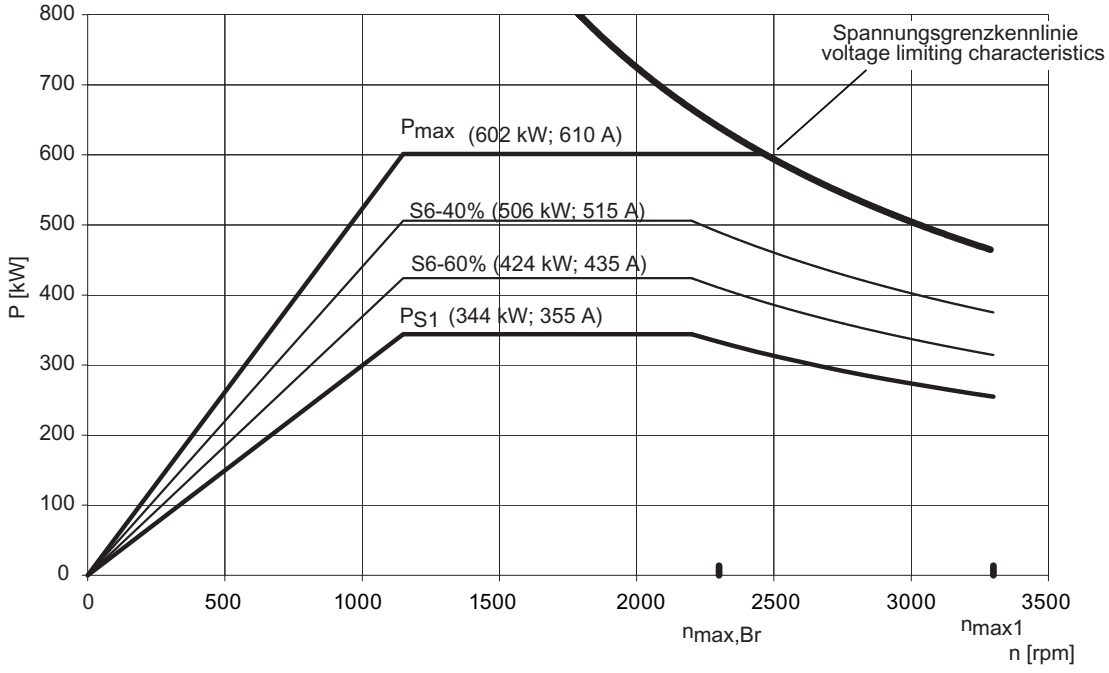


Table 2-319 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8286-□□U4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	344	2,860	355	3,300	-	-	2,300	2,200	5,000	610	2,860	355
1,000	299	2,855	355					2,700				



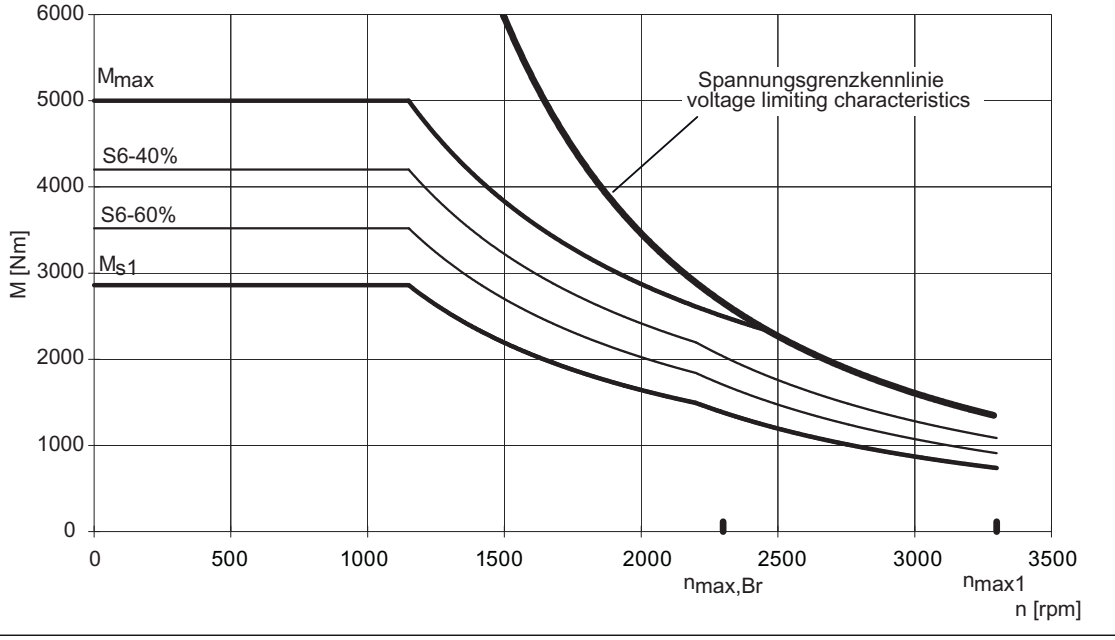
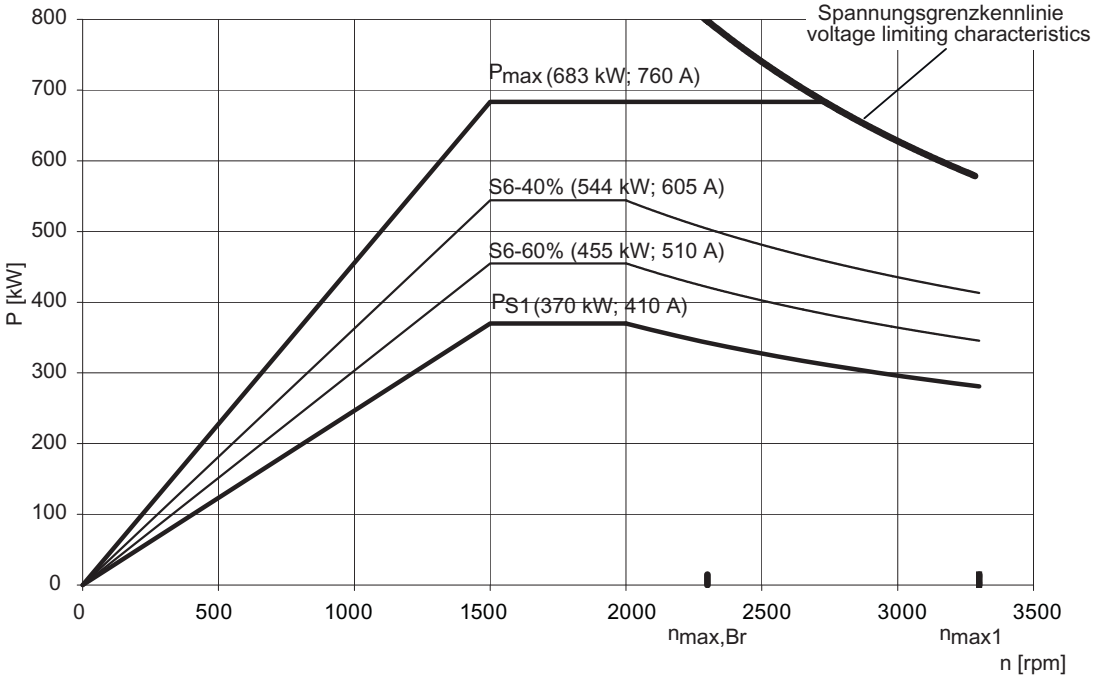


Table 2-320 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8286-□□W4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	370	2,356	410	3,300	-	-	2,300	2,000	4,350	760	2,356	410



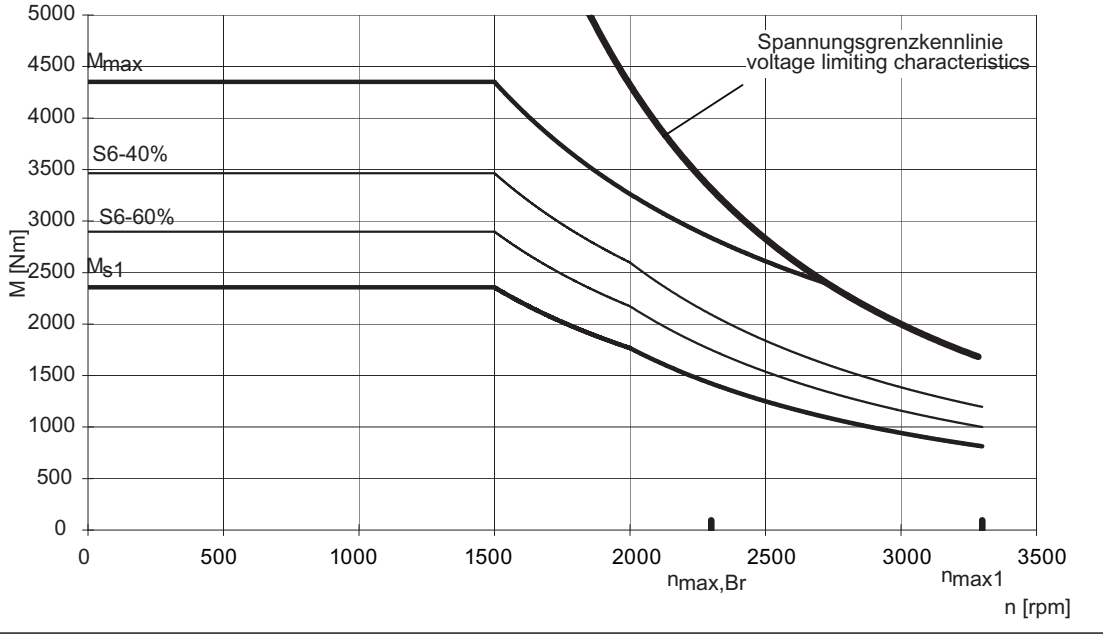
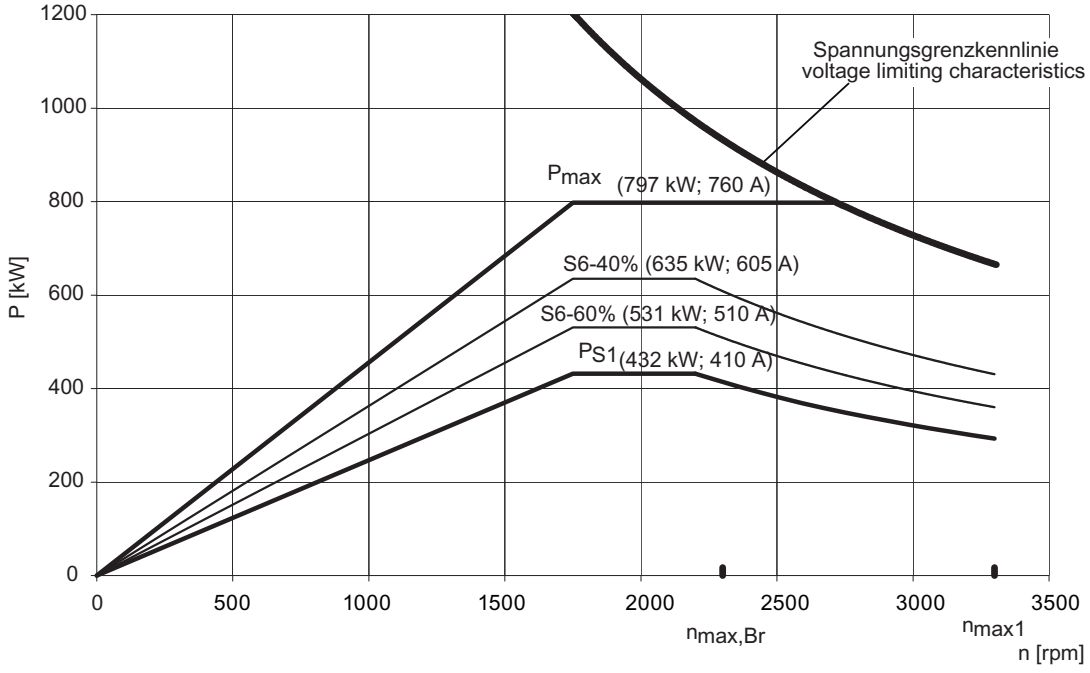


Table 2-321 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8286-□□W4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	432	2,356	410	3,300	-	-	2,300	2,200	4,350	760	2,356	410
1,500	370	2,356	410					2,600				



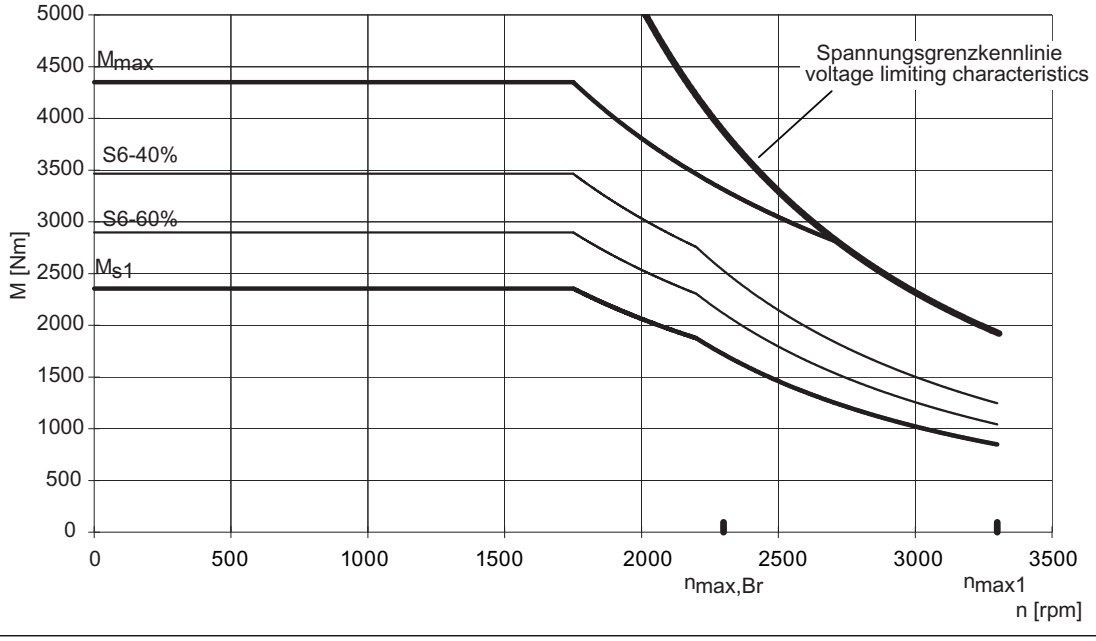
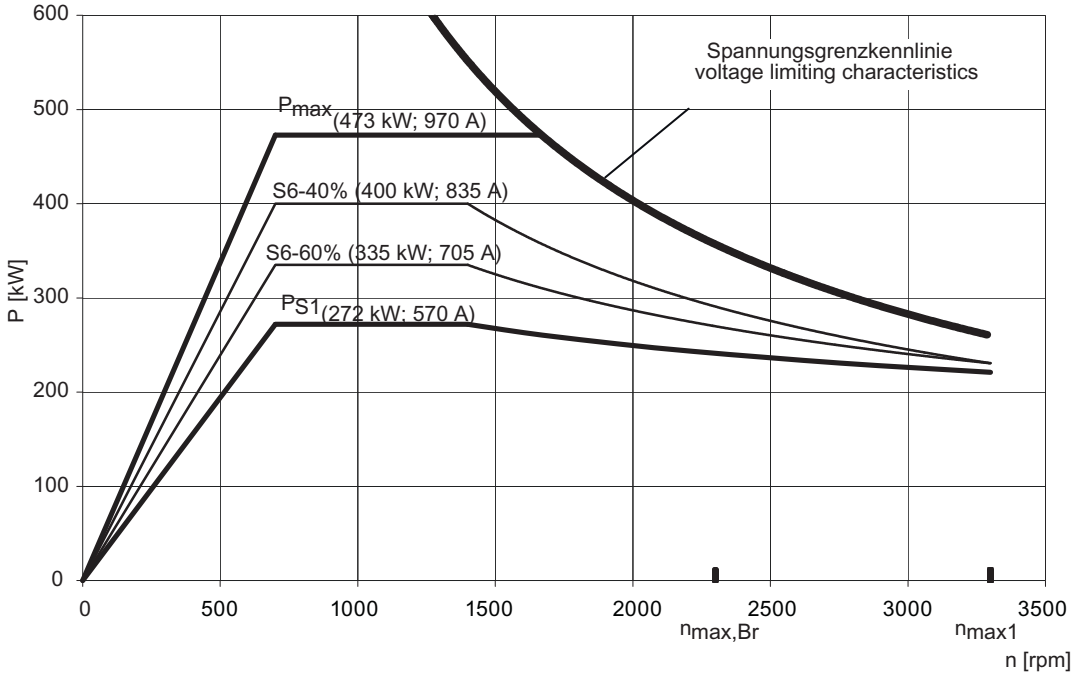


Table 2-322 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□C4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	272	3,711	570	3,300	-	-	2,300	1,400	6,450	970	3,711	570



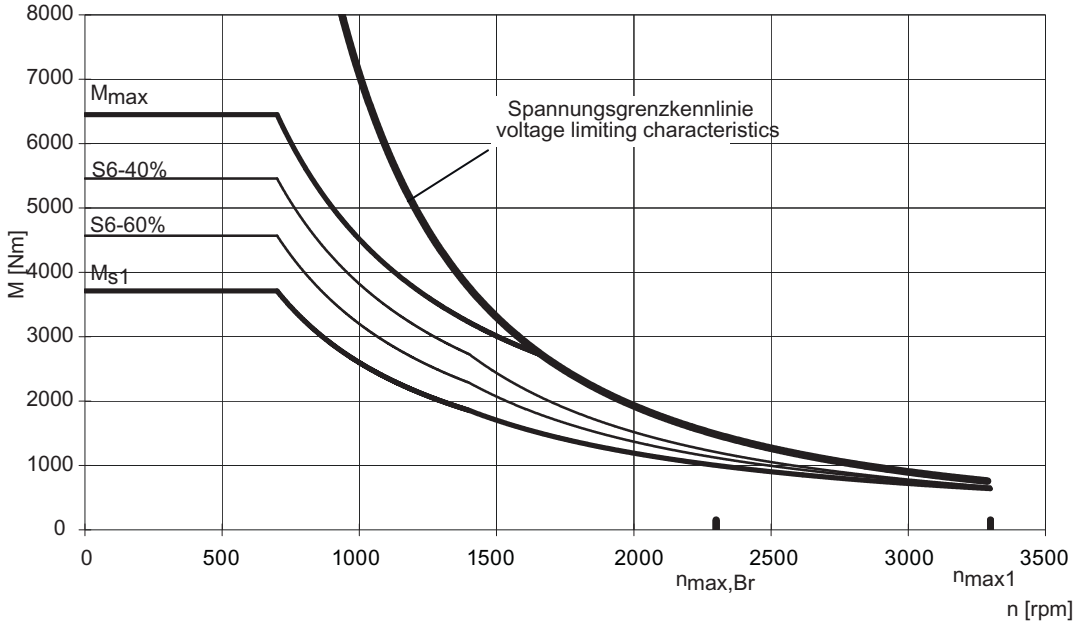
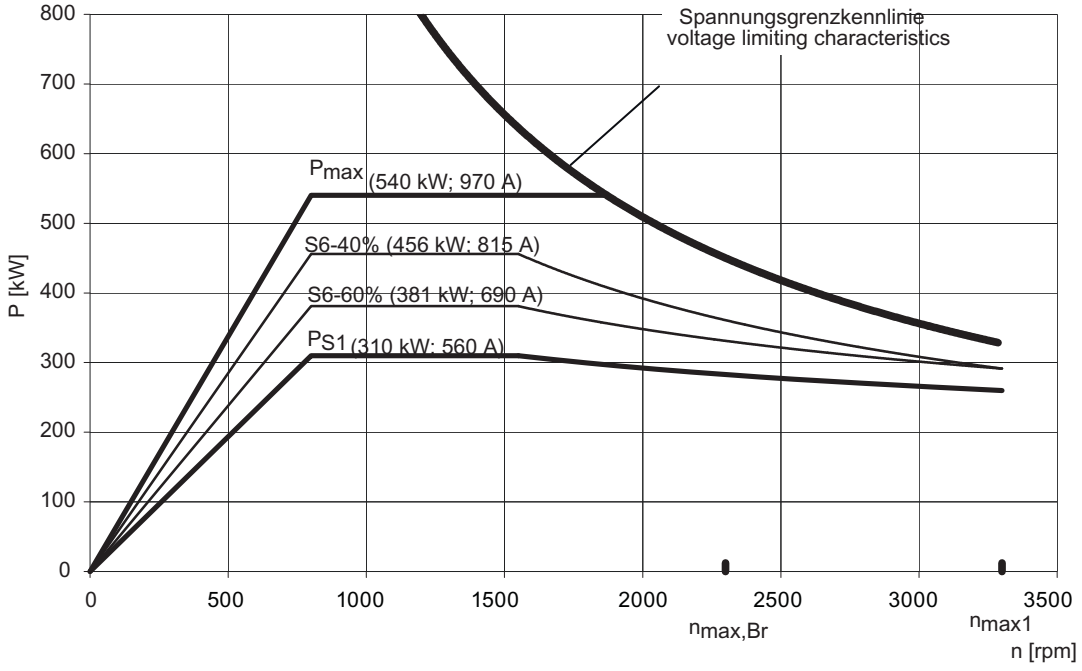


Table 2-323 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8288-□□C4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	310	3,701	560	3,300	-	-	2,300	1,550	6,450	970	3,701	560
700	271	3,701	560					2,800				



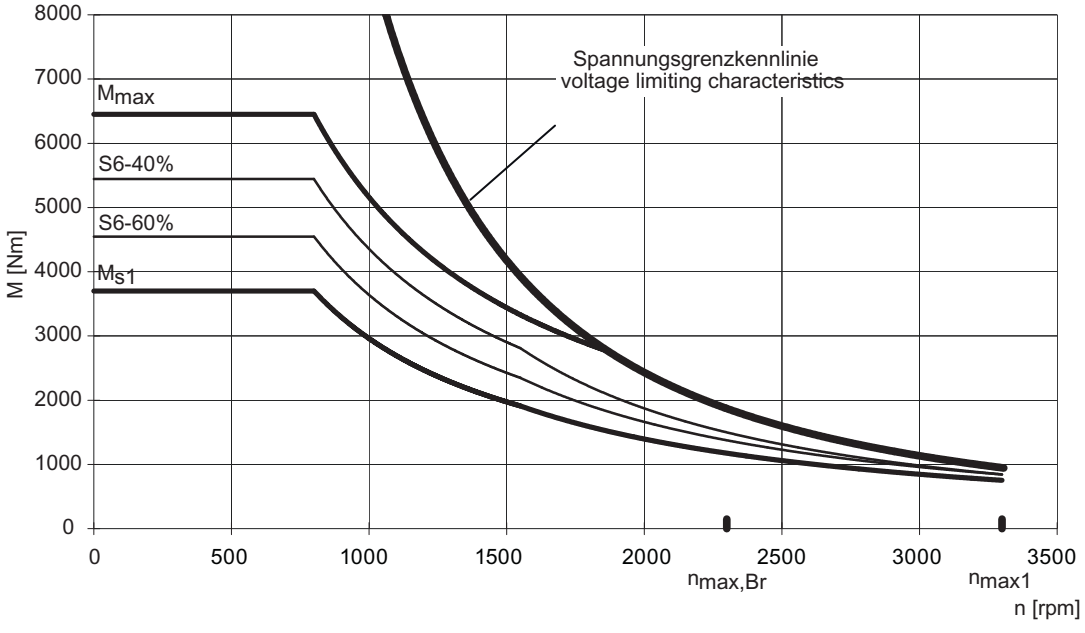
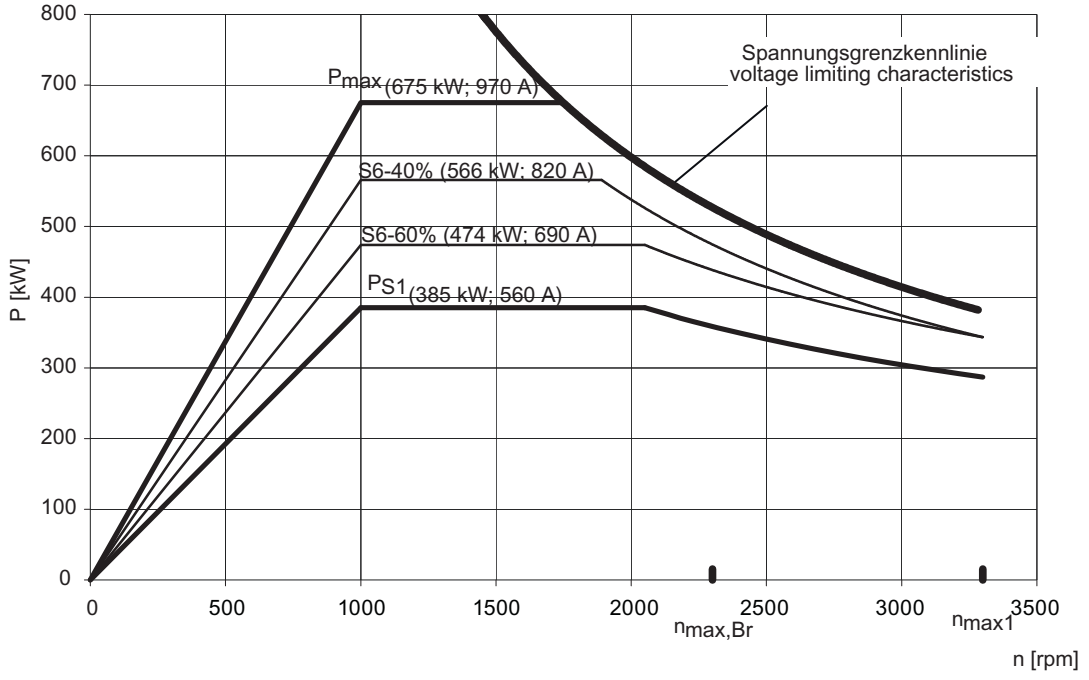


Table 2-324 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□C4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	385	3,677	560	3,300	-	-	2,300	2,050	6,450	970	3,677	560



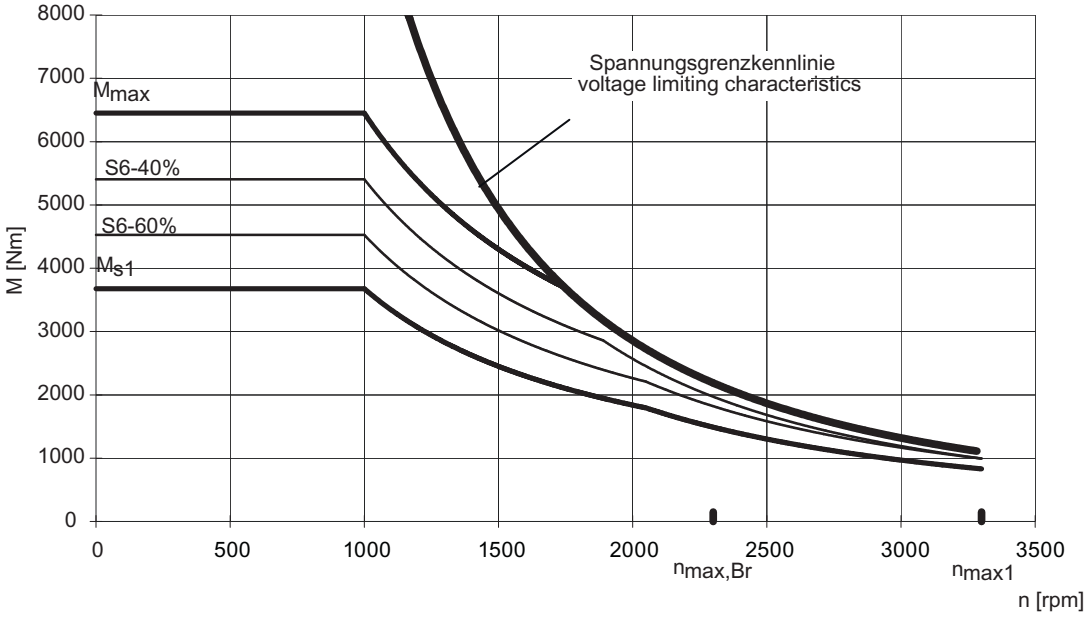


Table 2-325 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8288-□□C4□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,100	405	3,516	540	3,300	-	-	2,300	2,050	6,450	970	3,711	540

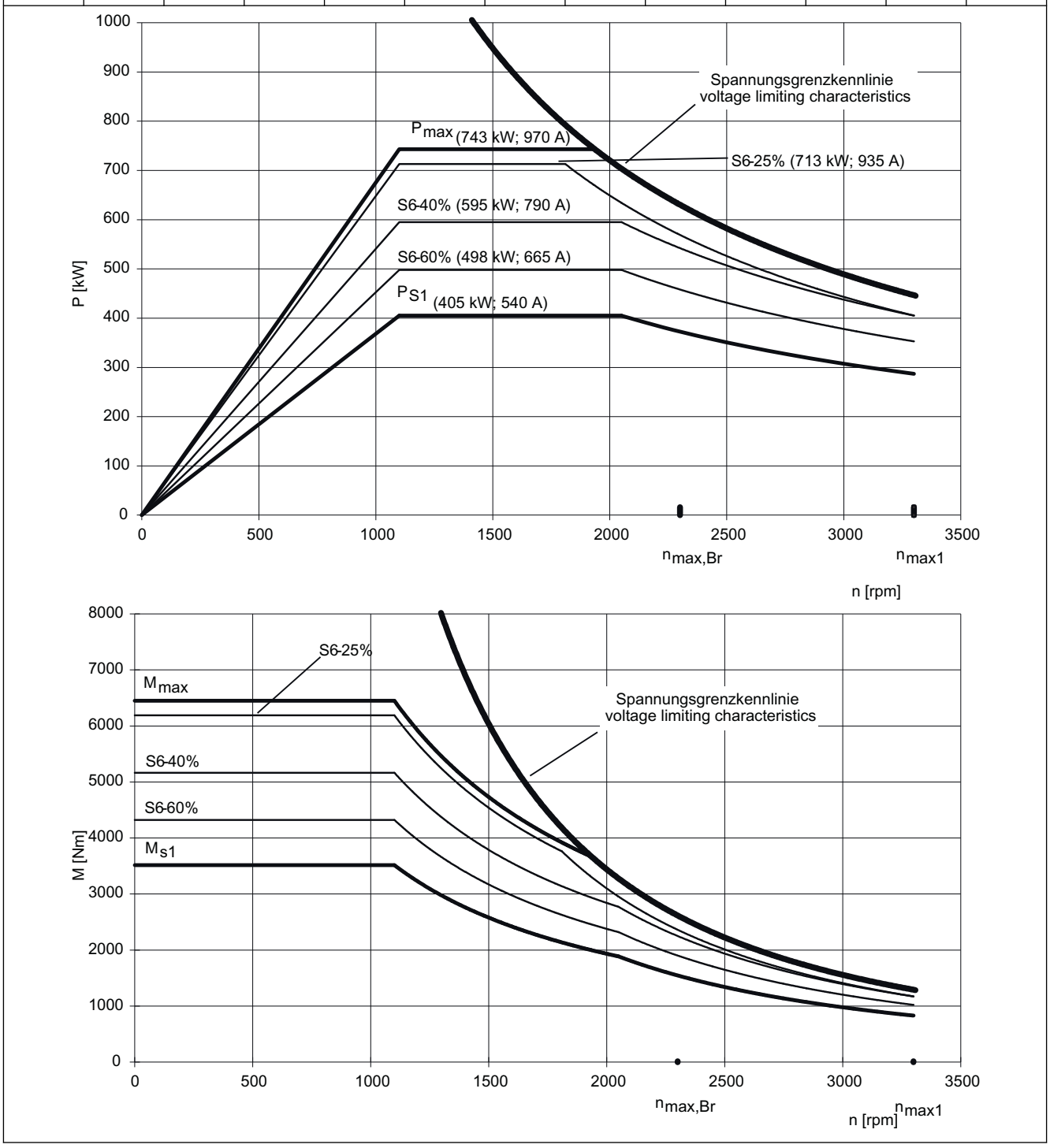
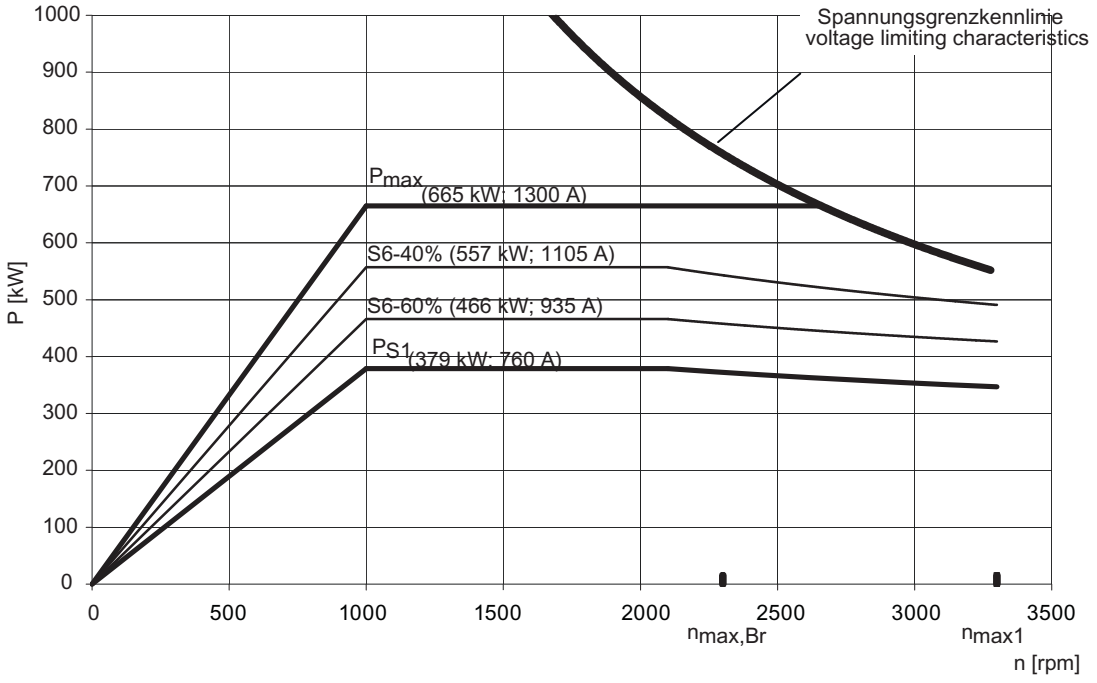


Table 2-326 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□D4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	379	3,619	760	3,300	-	-	2,300	2,100	6,350	1,300	3,619	760



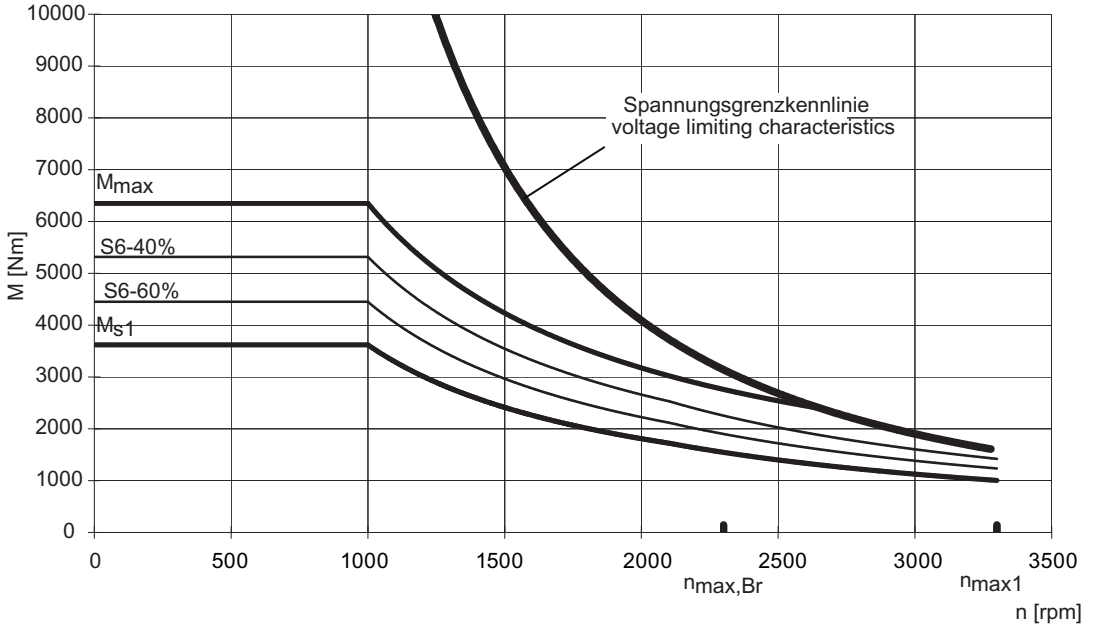
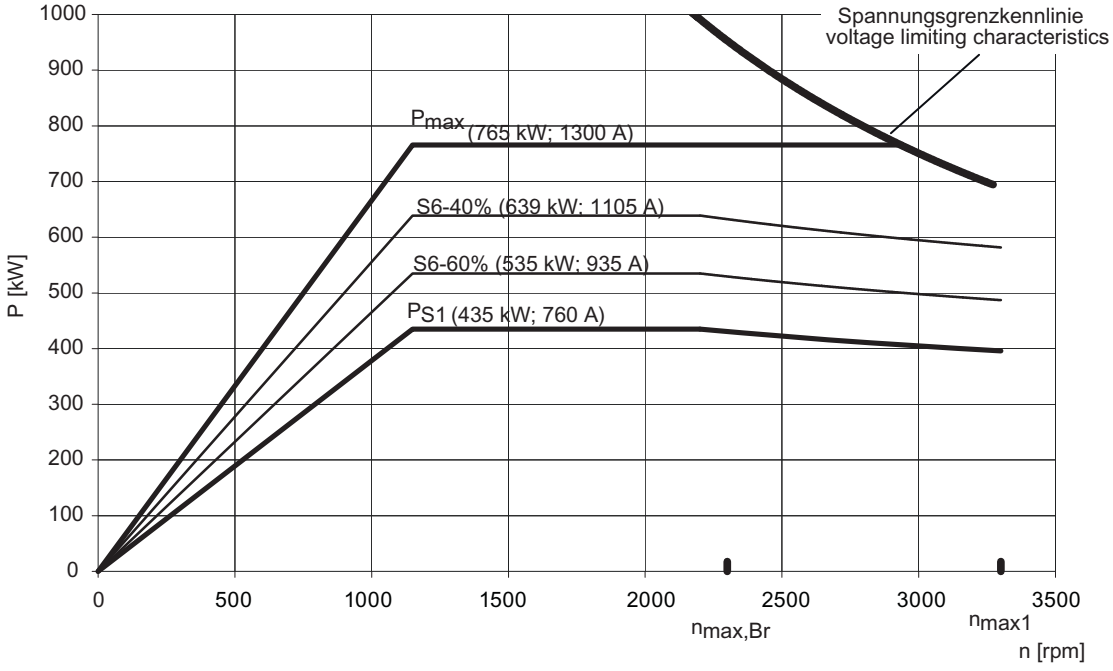


Table 2-327 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8288-□□D4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	435	3,607	760	3,300	-	-	2,300	2,200	6,350	1,300	3,607	760
1,000	378	3,607	760					3,300				



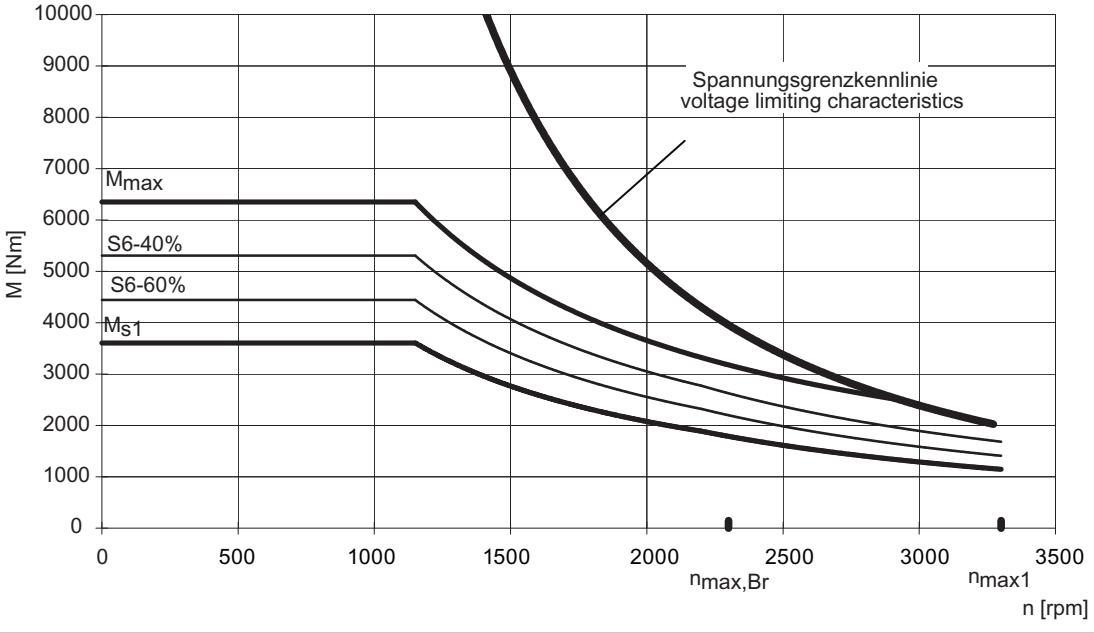
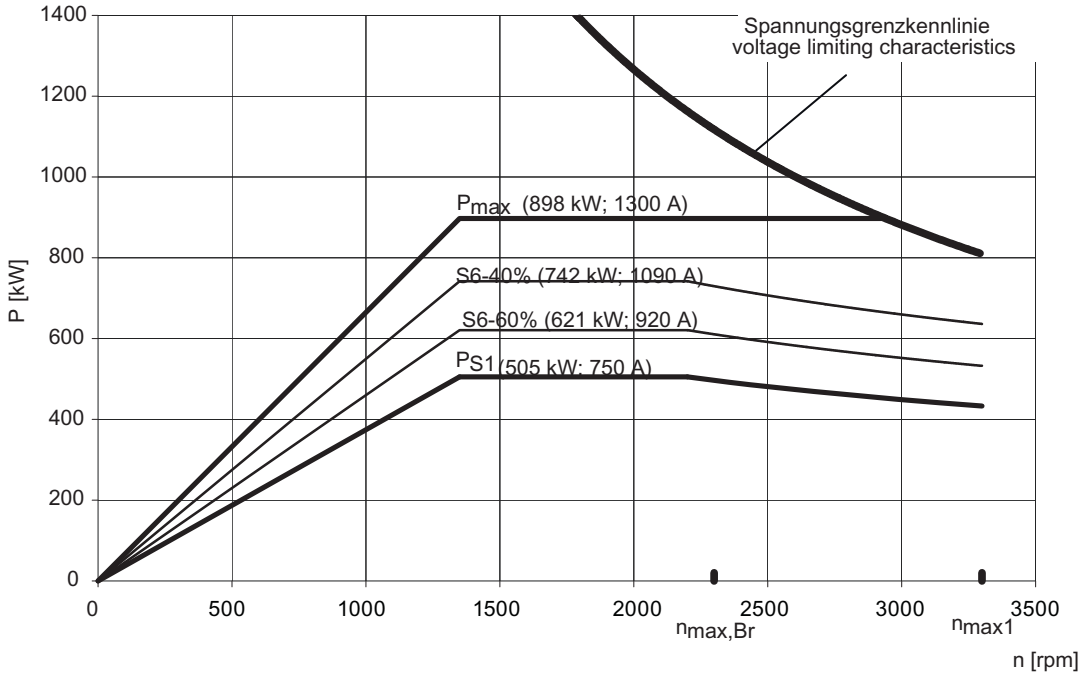


Table 2-328 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□D4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	505	3,573	750	3,300	-	-	2,300	2,200	6,350	1,300	3,573	750



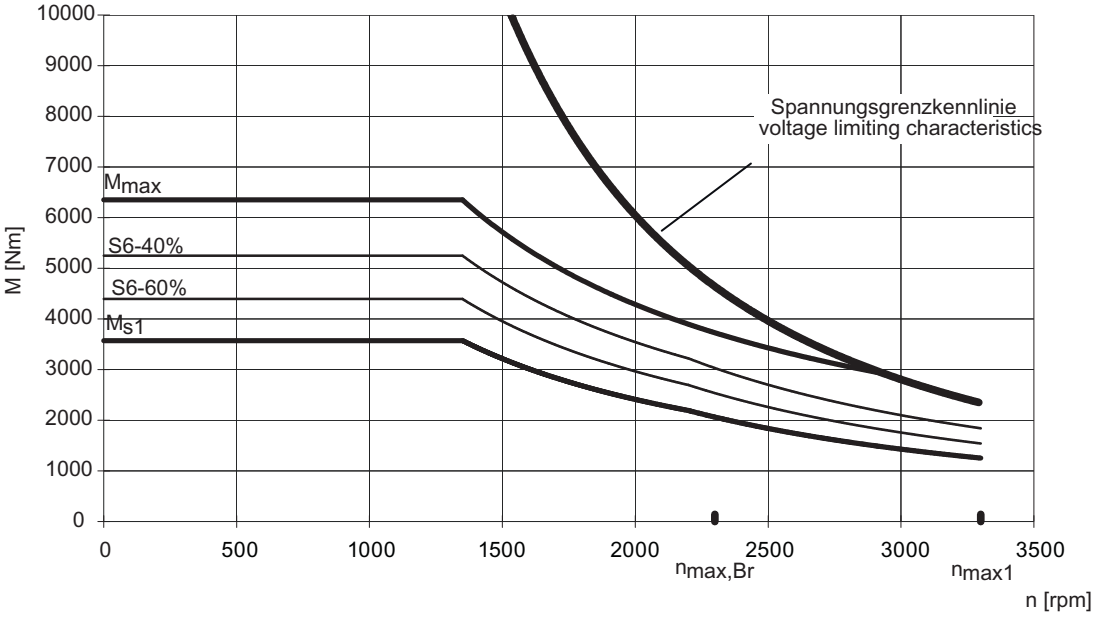


Table 2-329 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8288-□□D4□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	505	3,215	680	3,300	-	-	2,300	2,200	6,350	1,300	3,619	680

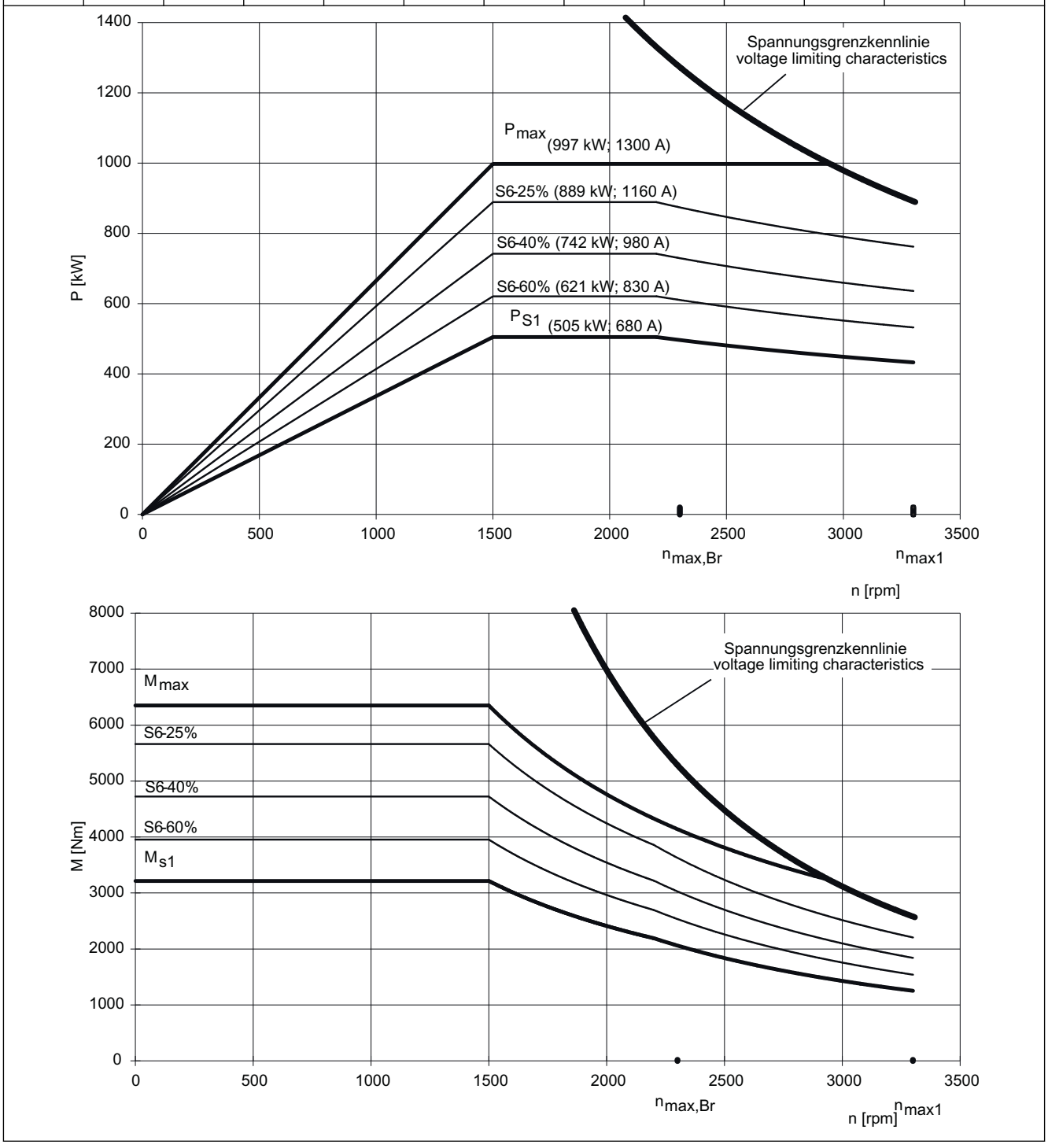
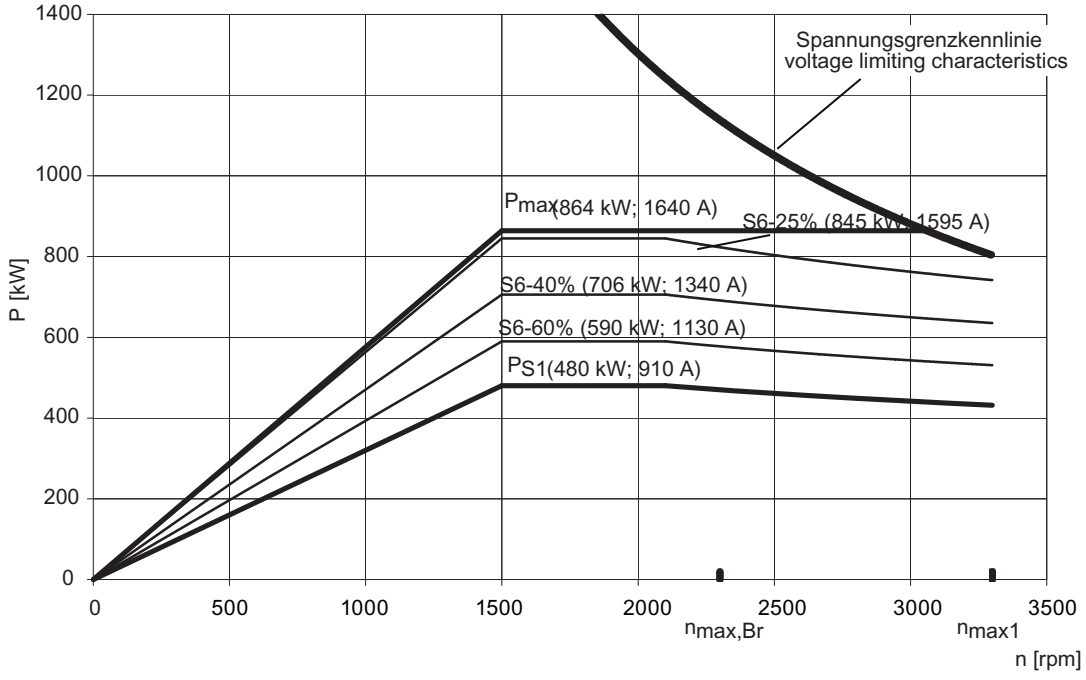


Table 2-330 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□F4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [kW]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	480	3,056	910	3,300	-	-	2,300	2,100	5,500	1,640	3,056	910



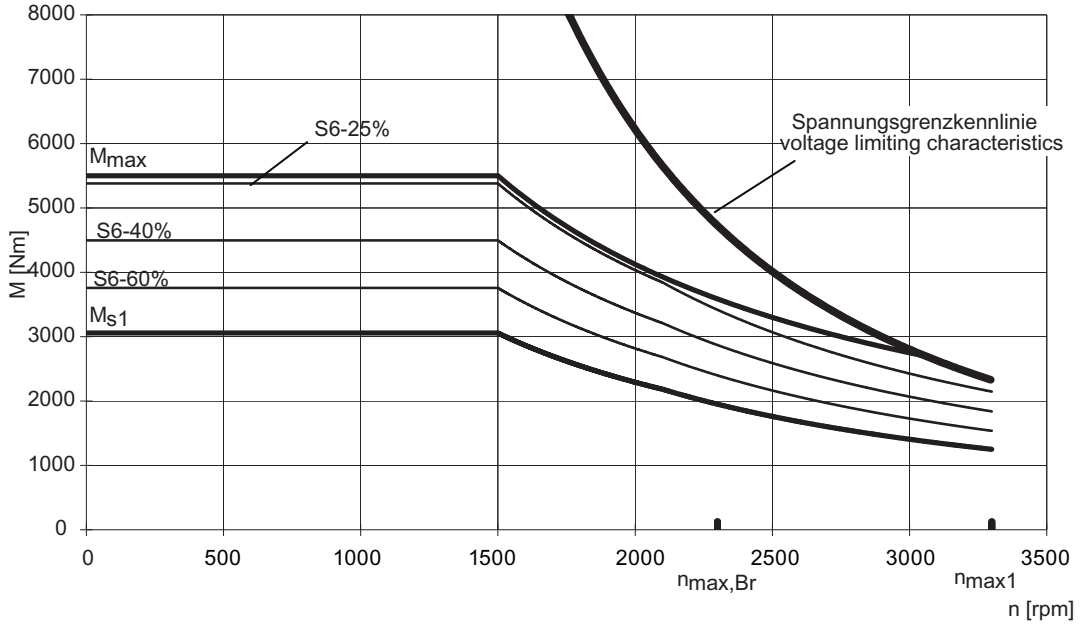


Table 2-331 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8288-□□F4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	$n_{max, Inv}$ [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	560	3,055	910	3,300	-	-	2,300	2,200	5,500	1,640	3,055	910
1,500	480	3,055	910					3,300				

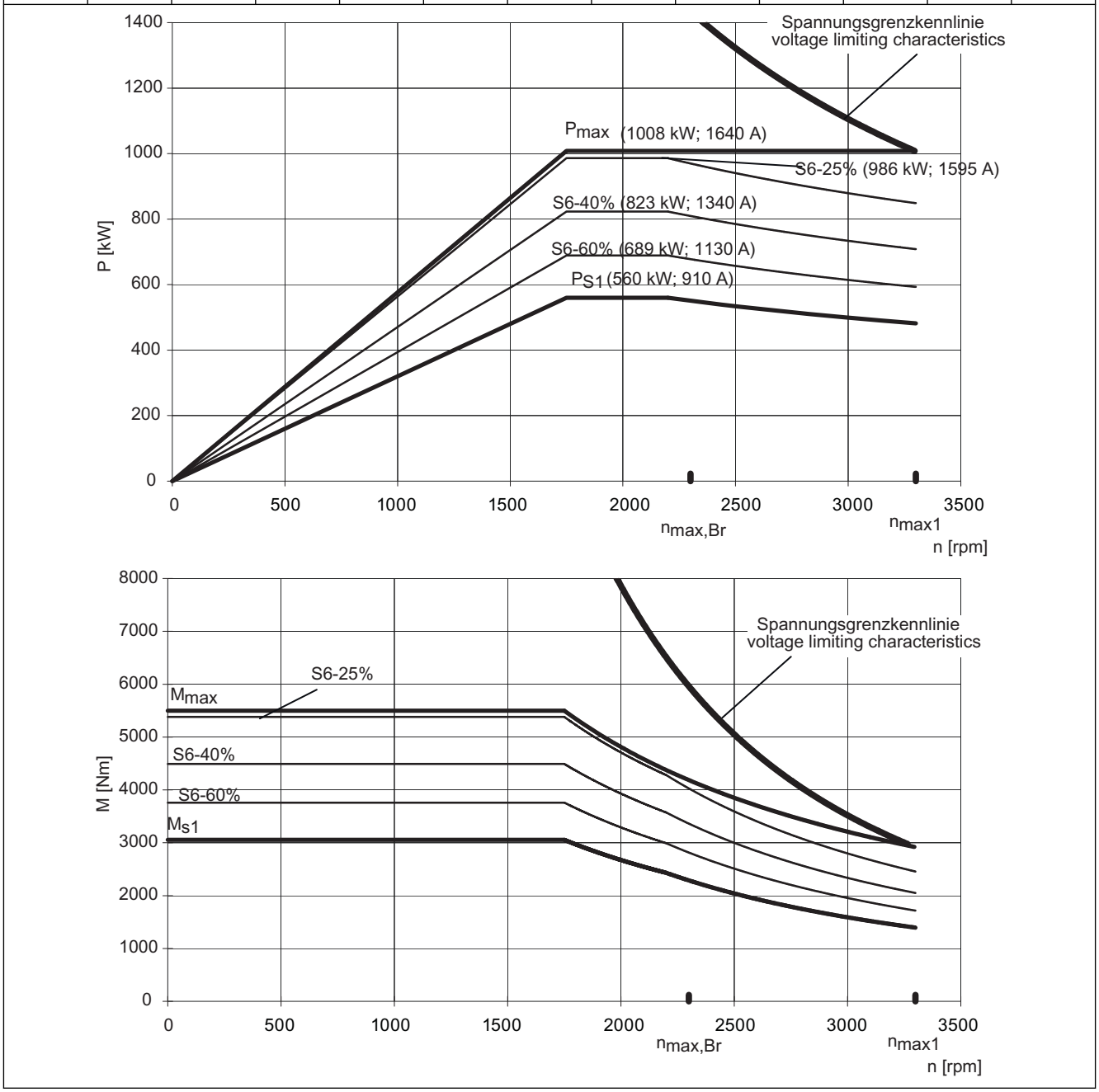
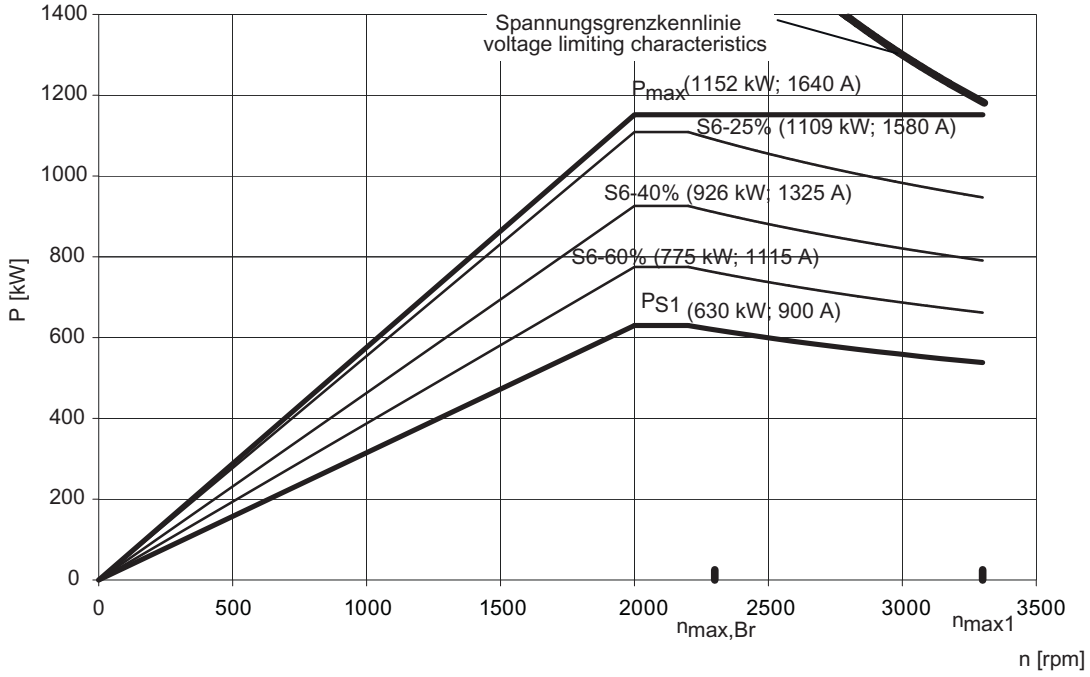


Table 2-332 SINAMICS, 3-ph. 480 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□F4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	630	3,009	900	3,300	-	-	2,300	2,200	5,500	1,640	3,009	900



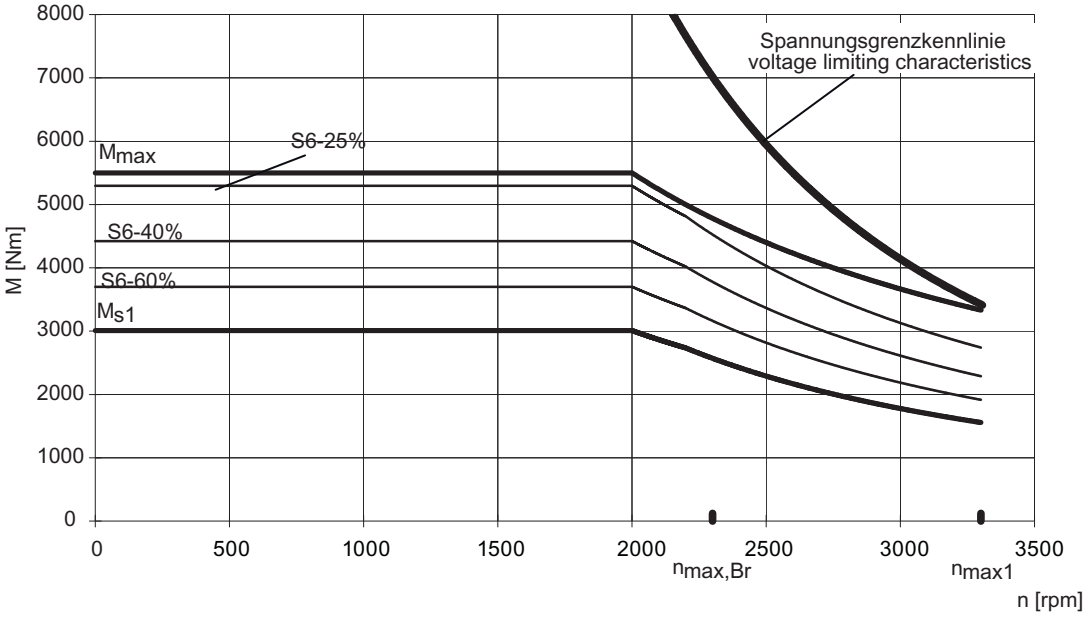


Table 2-333 SINAMICS, 3-ph. 480 VAC, Active Line Module, (ALM), 1PH8288-□□F4□, (IP23)

n_N [rpm]	P_N [kW]	M_N [Nm]	I_N [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,200	599	2,600	790	3,300	-	-	2,300	2,400	5,500	1,640	3,056	790

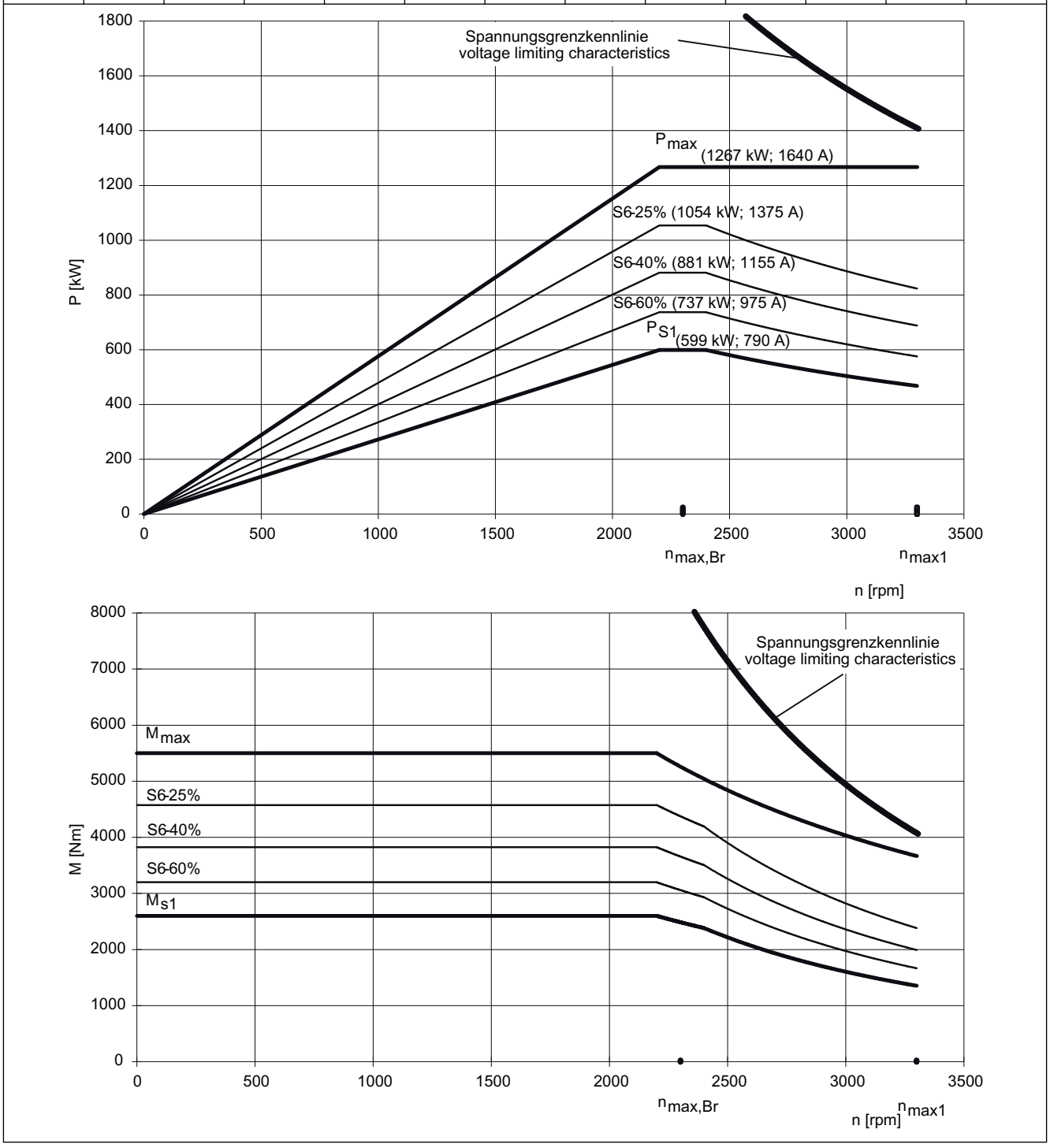
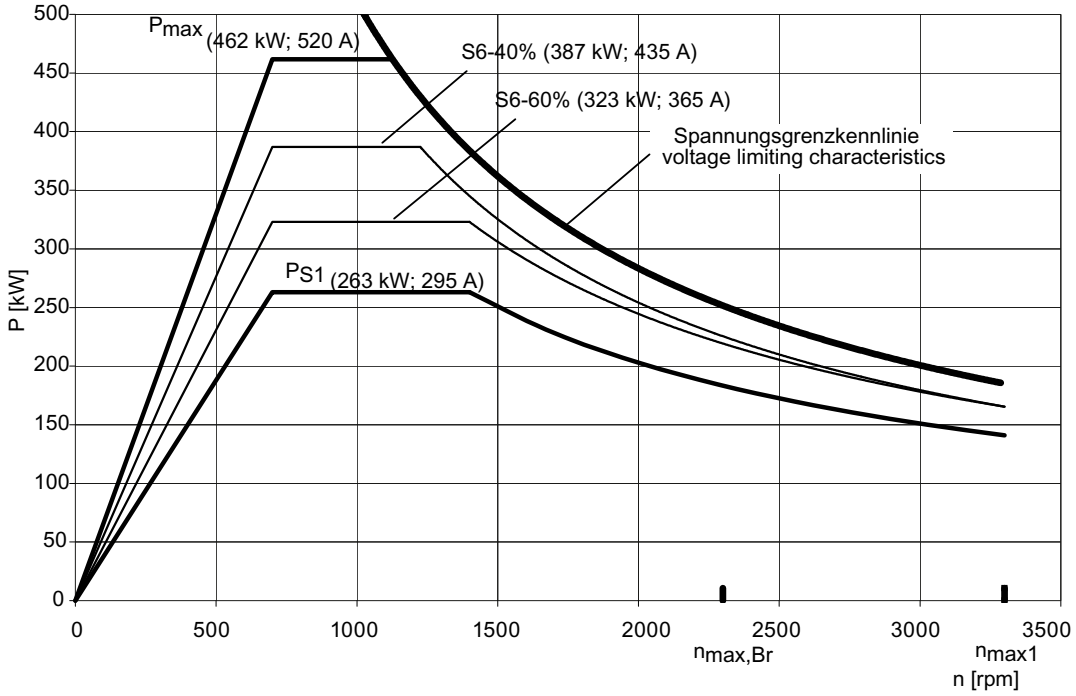


Table 2-334 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8288-□□K4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	263	3,588	295	3,300	-	-	2,300	1,400	6,300	520	3,588	295



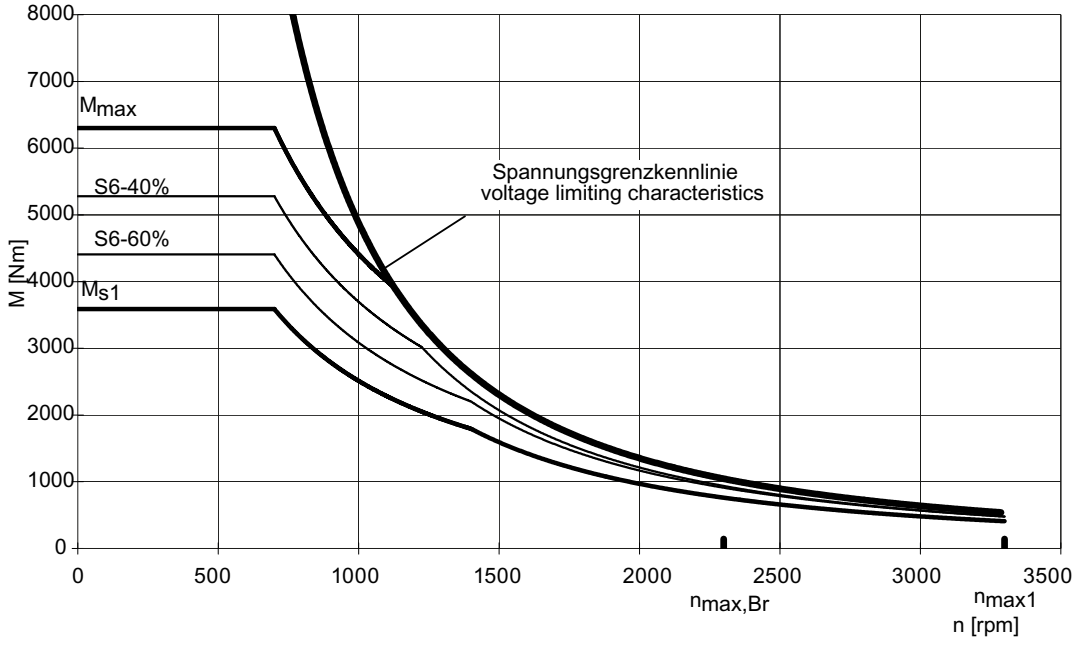
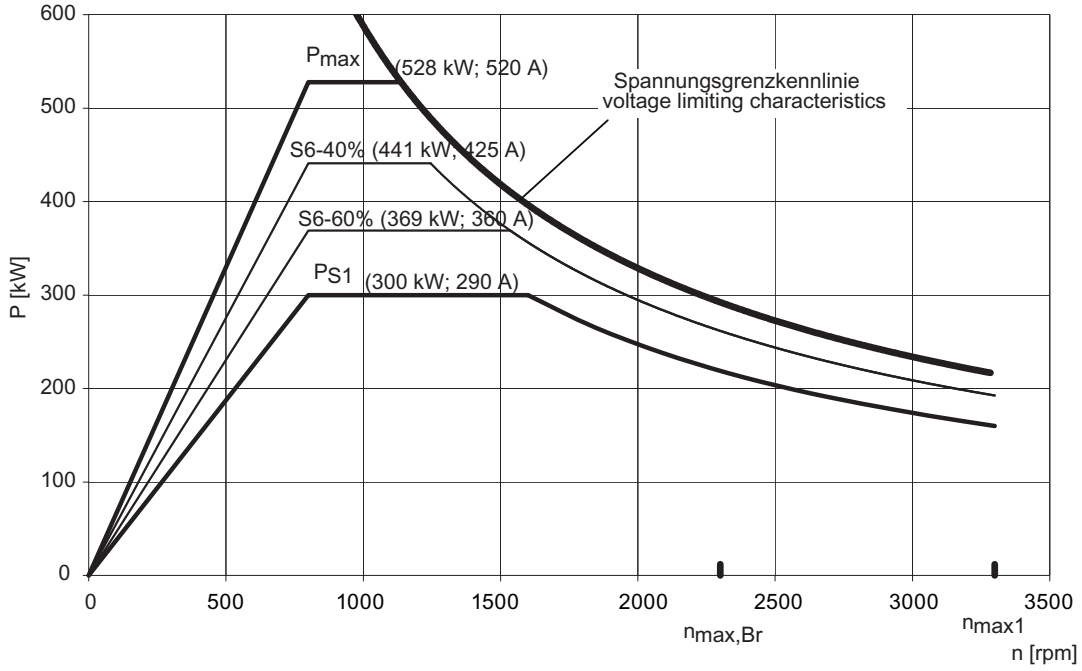


Table 2-335 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8288-□□K4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	300	3,581	290	3,300	-	-	2,300	1,600	6,300	520	3,581	290
700	263	3,581	290					1,900				



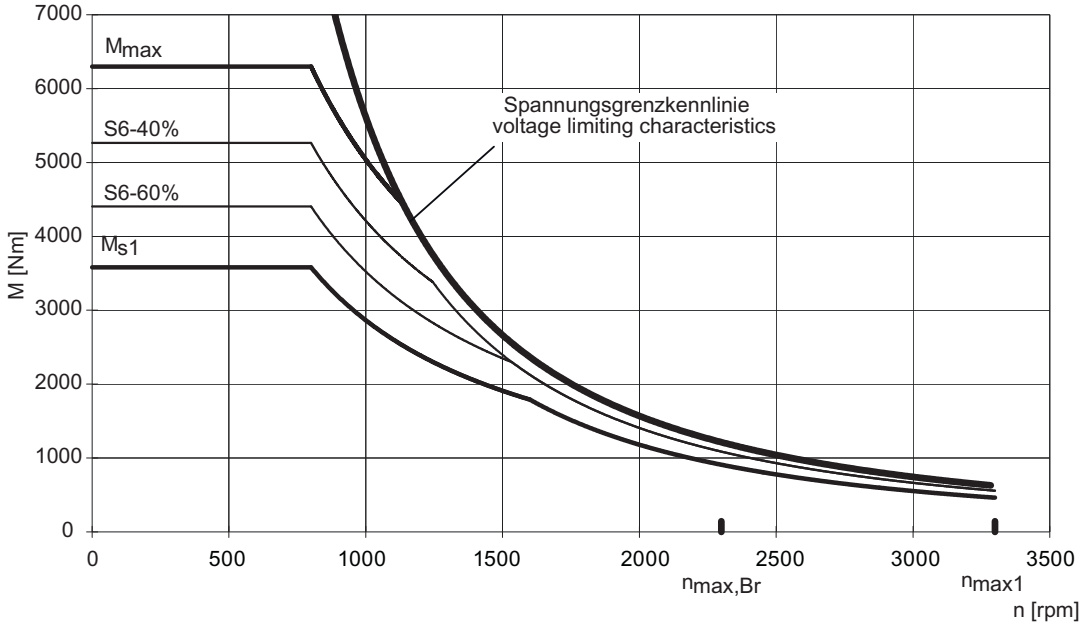
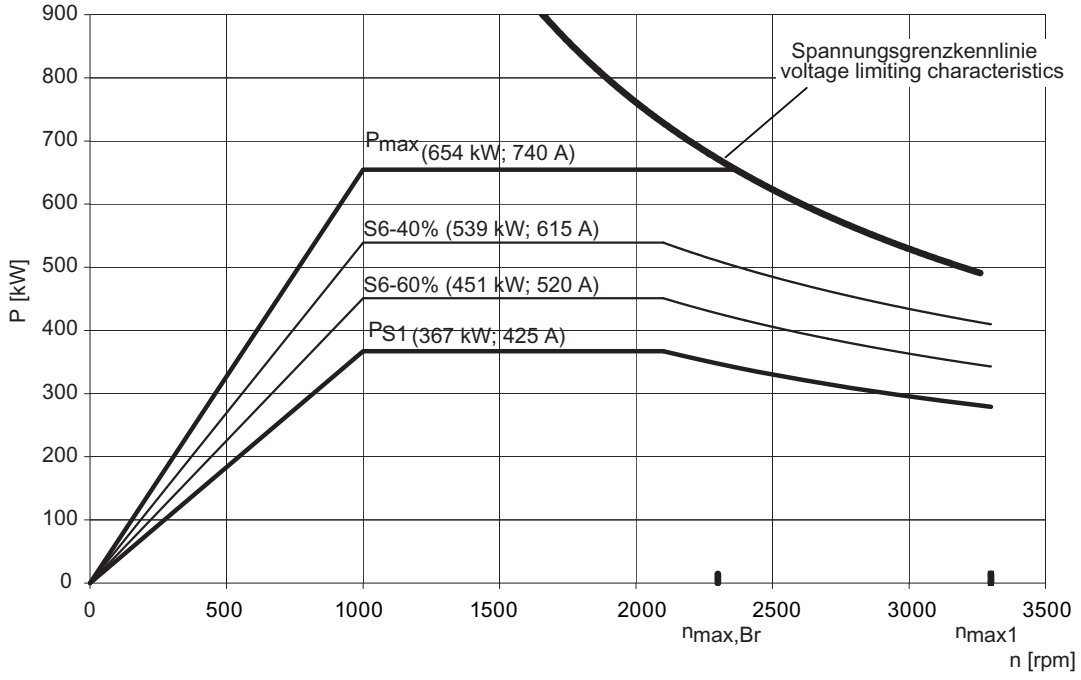


Table 2-336 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8288-□□U4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	367	3,505	425	3,300	-	-	2,300	2,100	6,250	740	3,505	425



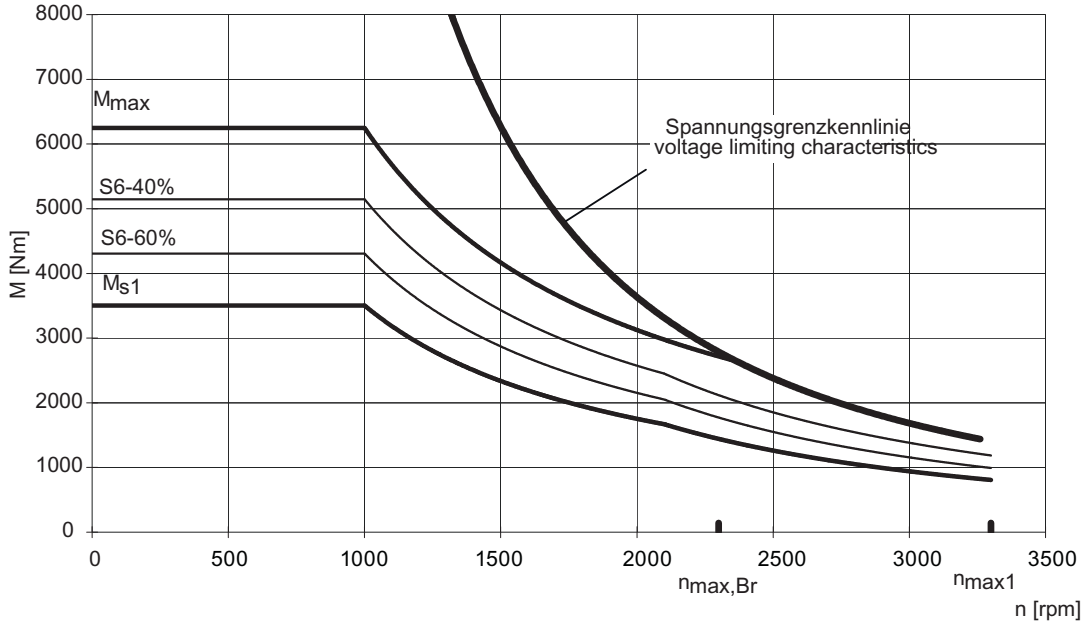
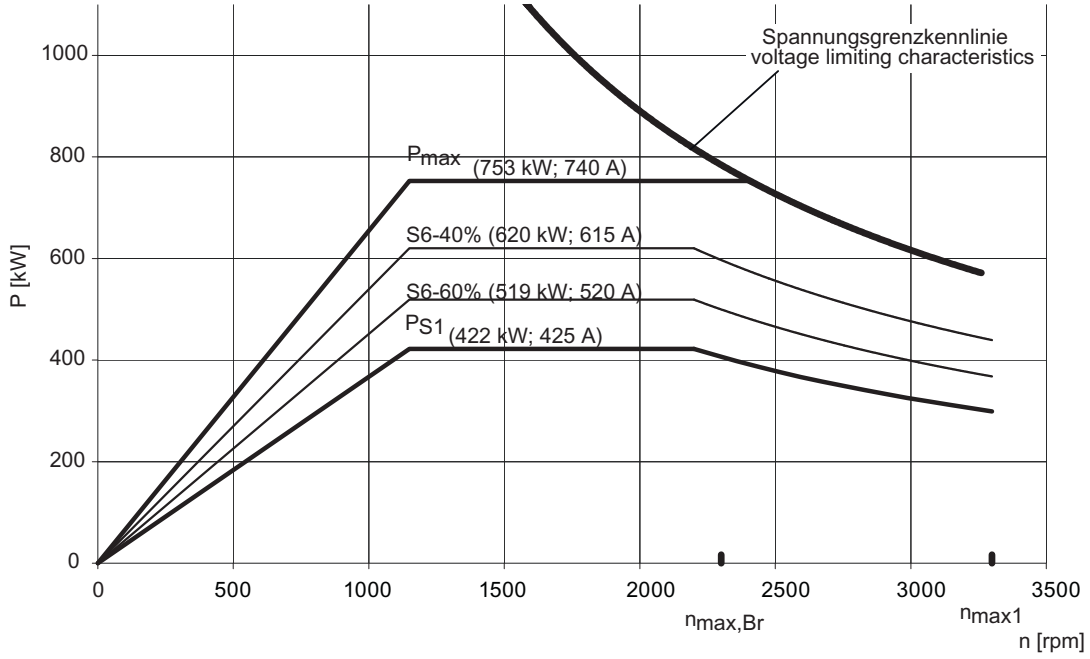


Table 2-337 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8288-□□U4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	422	3,504	425	3,300	-	-	2,300	2,200	6,250	740	3,504	425
1,000	367	3,504	425					2,600				



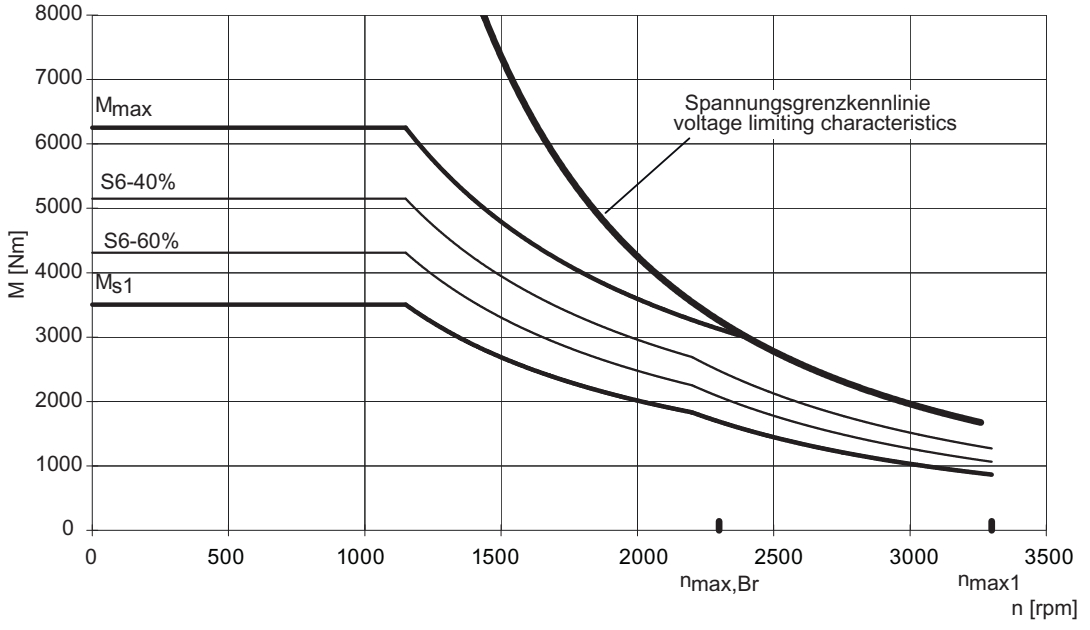
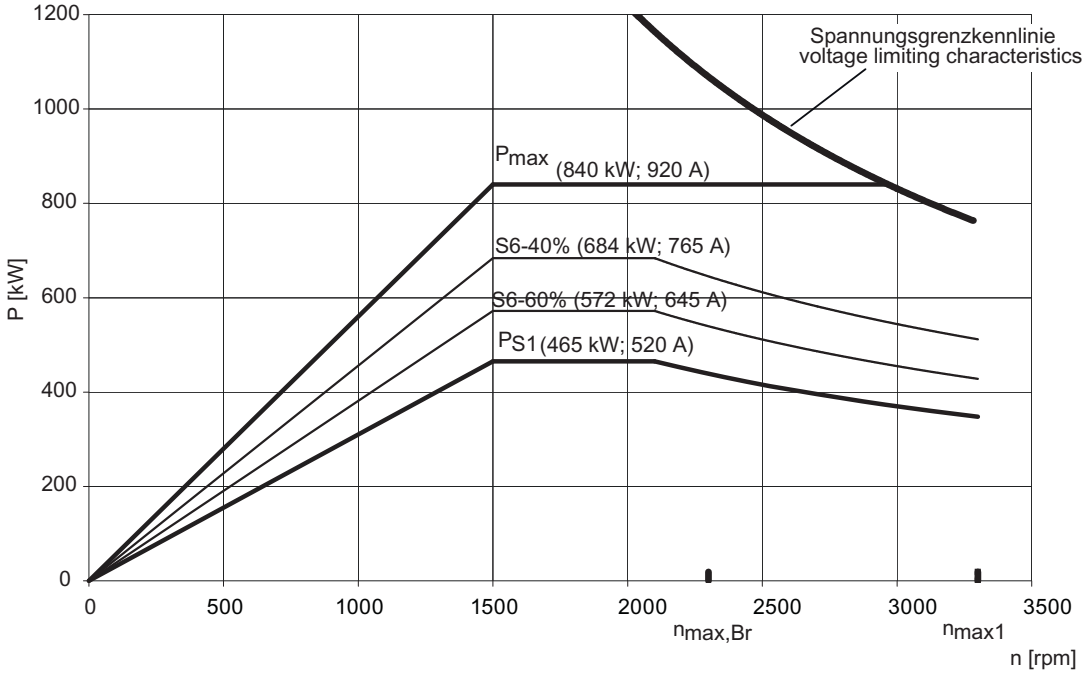


Table 2-338 SINAMICS, 3-ph. 690 VAC, Basic Line Module, (BLM), 1PH8288-□□W4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	465	2,961	520	3,300	-	-	2,300	2,100	5,350	920	2,961	520



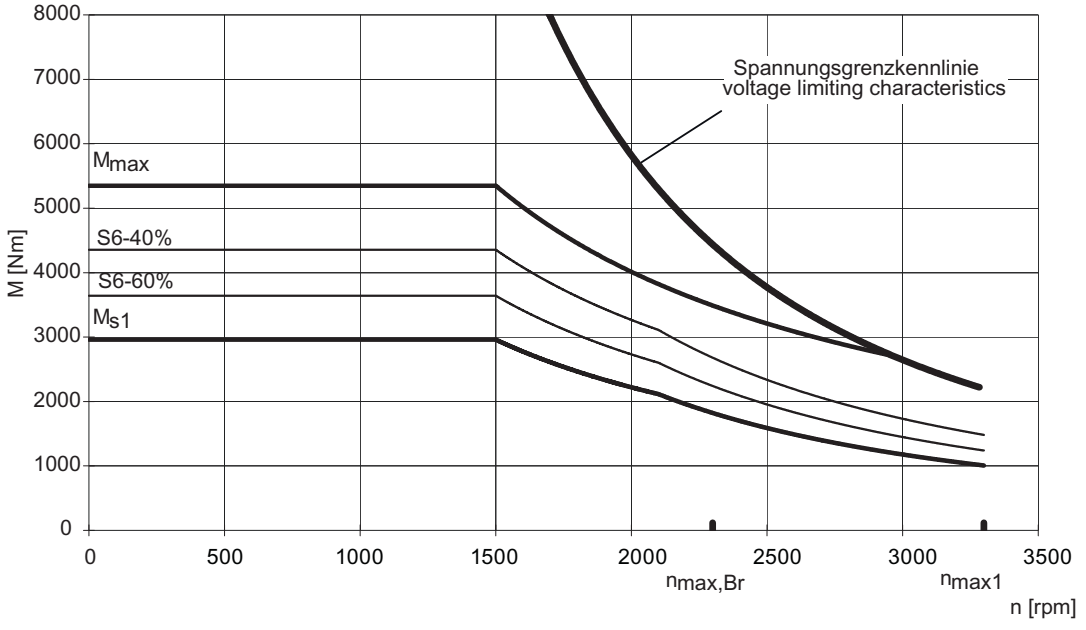
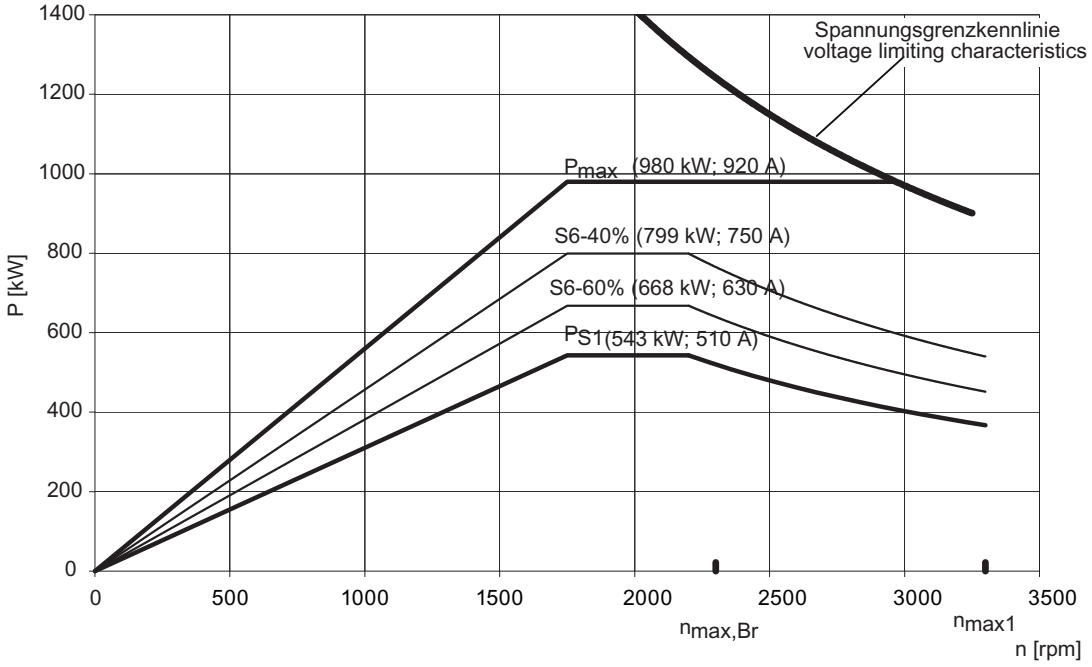
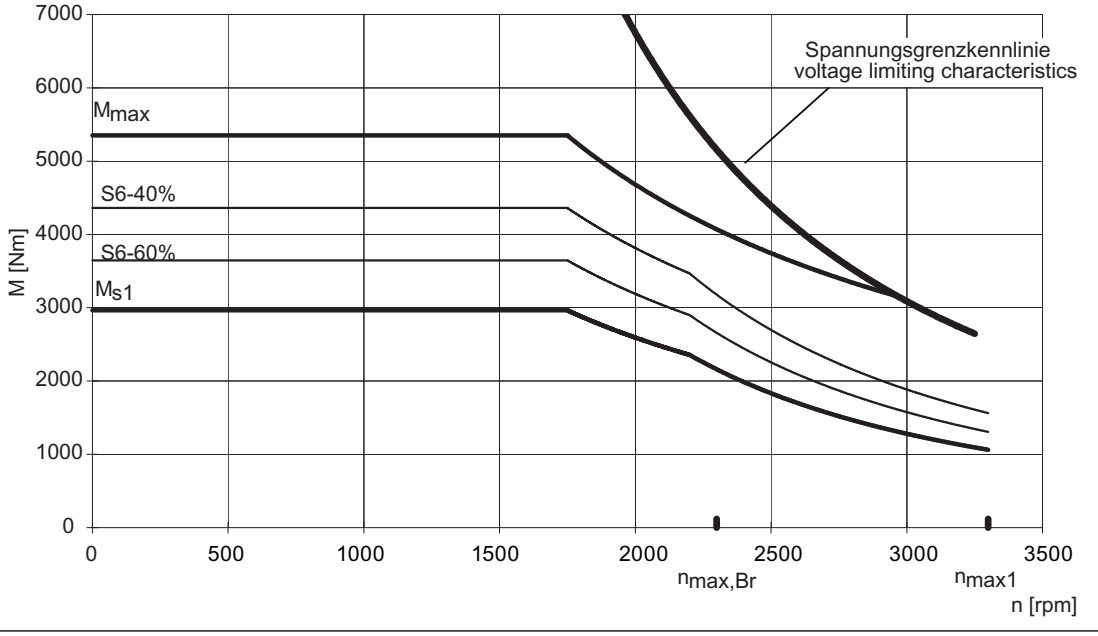


Table 2-339 SINAMICS, 3-ph. 690 VAC, Active Line Module, (ALM), 1PH8288-□□W4□, (IP23)

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	543	2,964	510	3,300	-	-	2,300	2,200	5,350	920	2,964	510
1,500	466	2,964	510					2,600				





2.3 Characteristics water cooling

2.3.1 Shaft height 80 - water-cooled

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□F2, 1PH8083-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	3,5	22,3	8,9	10000	12000	--	5000	3550	32,0	13	23	9,0

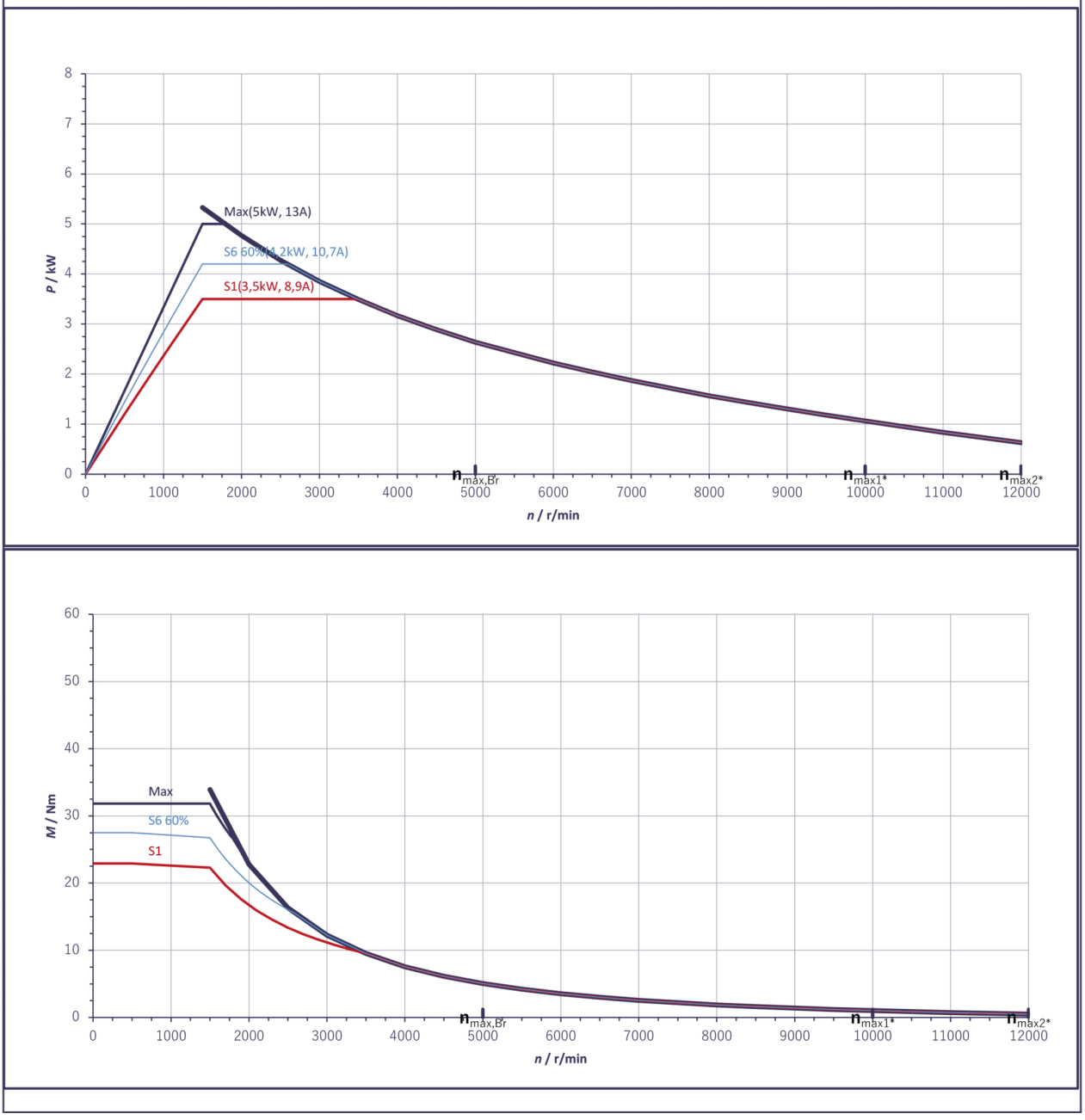


Figure 2-2 001_PD_1PH8083-1xF2_Index_ a-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8083-1□F2, 1PH8083-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	4,0	21,8	8,7	10000	12000	--	5000	4100	32,0	13	23	9,0
1500	3,5	22	8,9					4850				

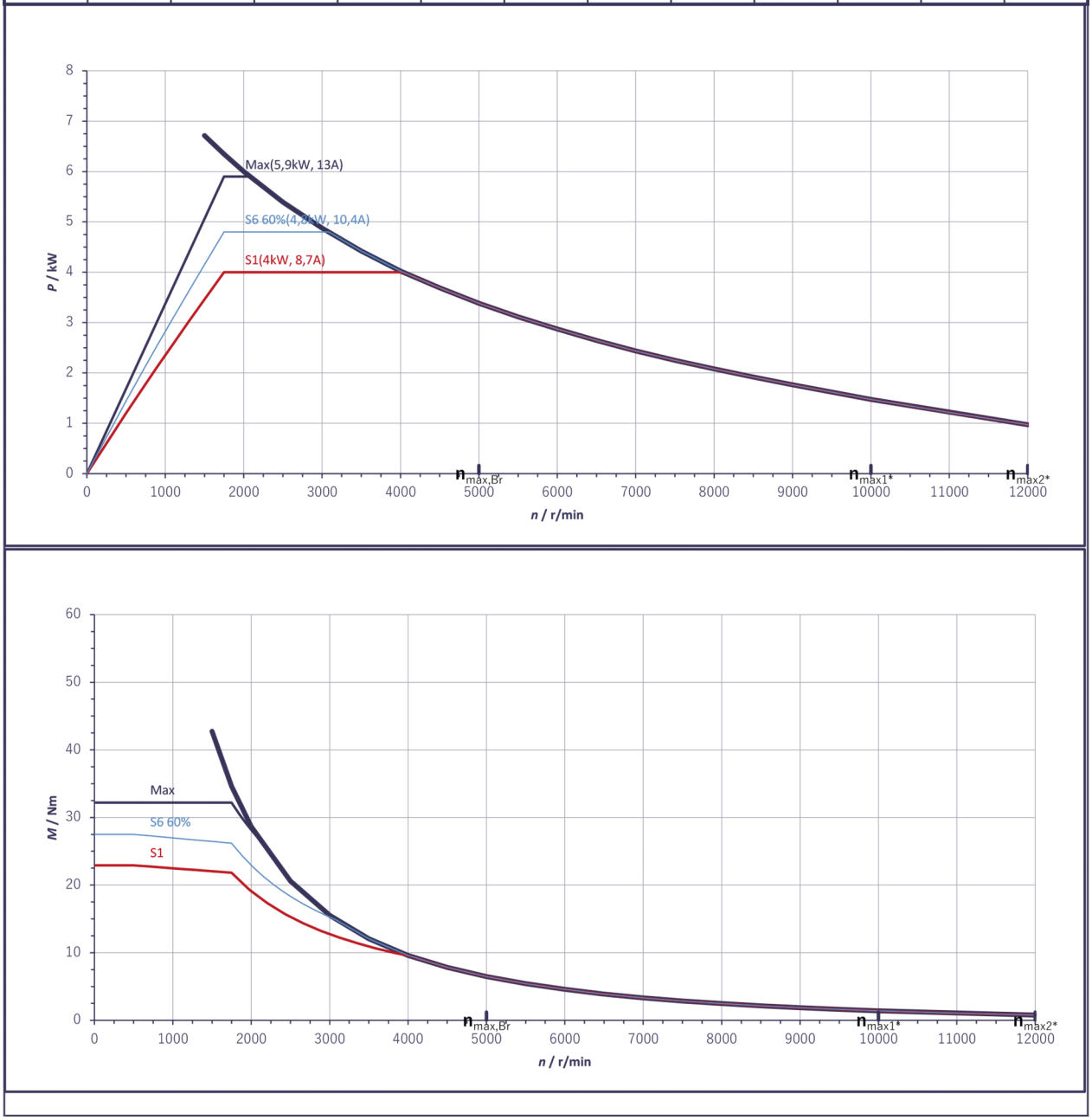


Figure 2-3 001_PD_1PH8083-1xF2_Index_ a-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□F2, 1PH8083-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	4,6	22,0	8,7	10000	12000	--	5000	4250	32,0	13	23	9,0

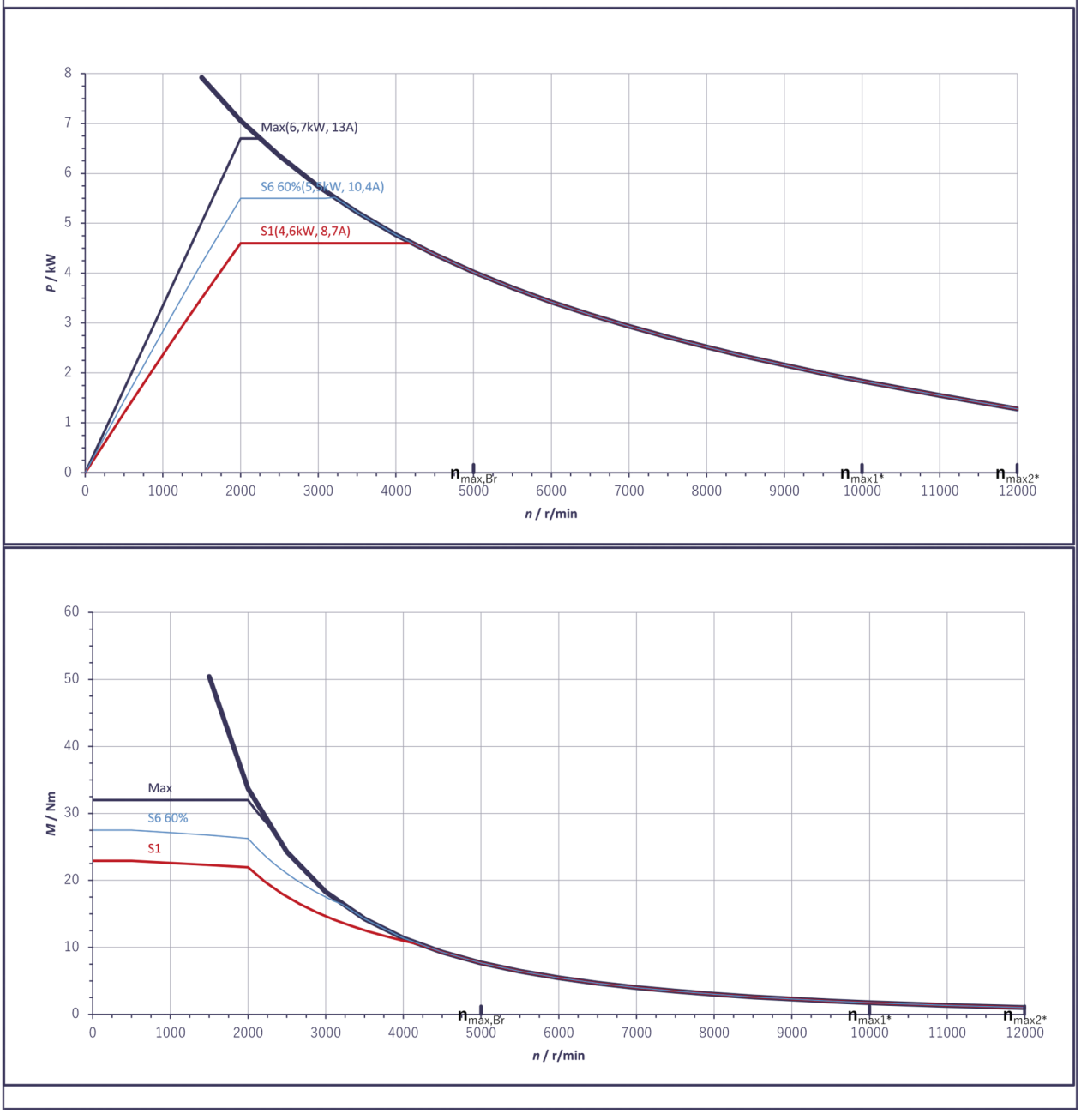


Figure 2-4 001_PD_1PH8083-1xF2_Index_ a-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8083-1□F2, 1PH8083-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	5,0	21,7	8,7	10000	12000	--	5000	5050	32,0	13	23	9,0

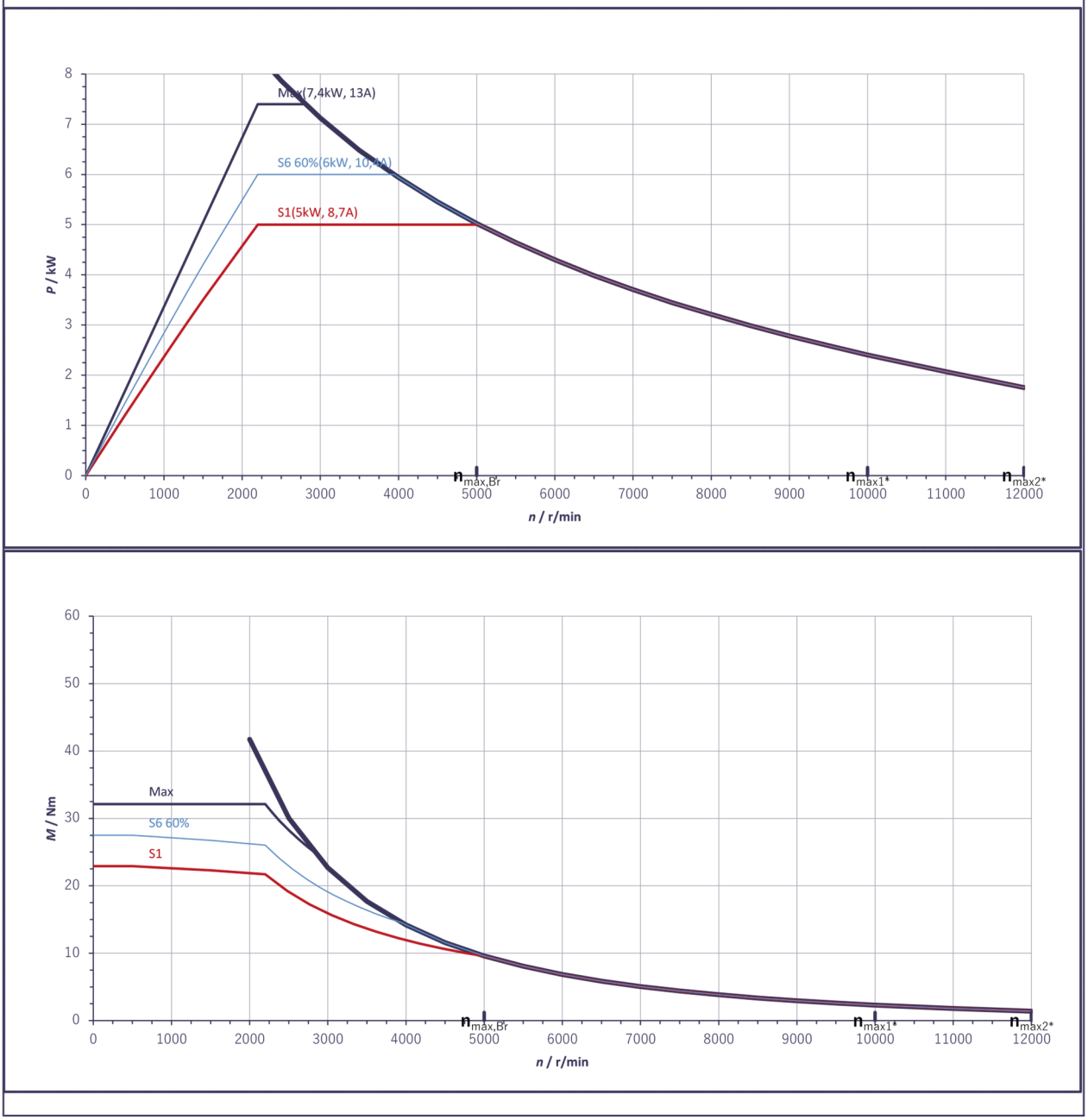


Figure 2-5 001_PD_1PH8083-1xF2_Index_ a-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□G2, 1PH8083-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	4,3	20,5	12,0	10000	15000	16000	5000	7200	45,0	26	23	13,0

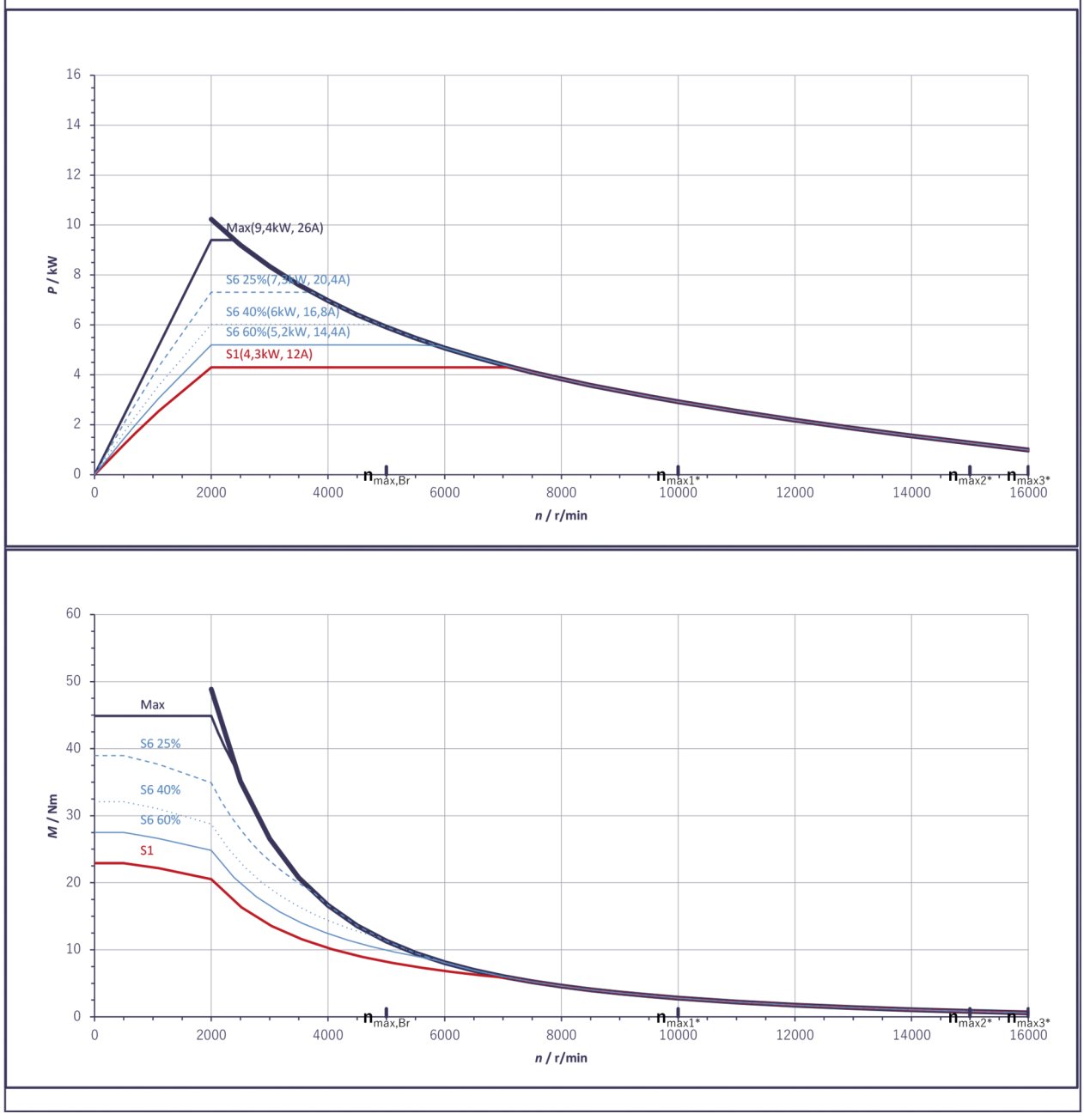


Figure 2-6 002_PD_1PH8083-1xG2_Index_ a-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8083-1□G2, 1PH8083-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	4,9	20,3	12,0	10000	15000	16000	5000	8150	45,0	26	23	13,0
2000	4,3	21	12,0					9150				

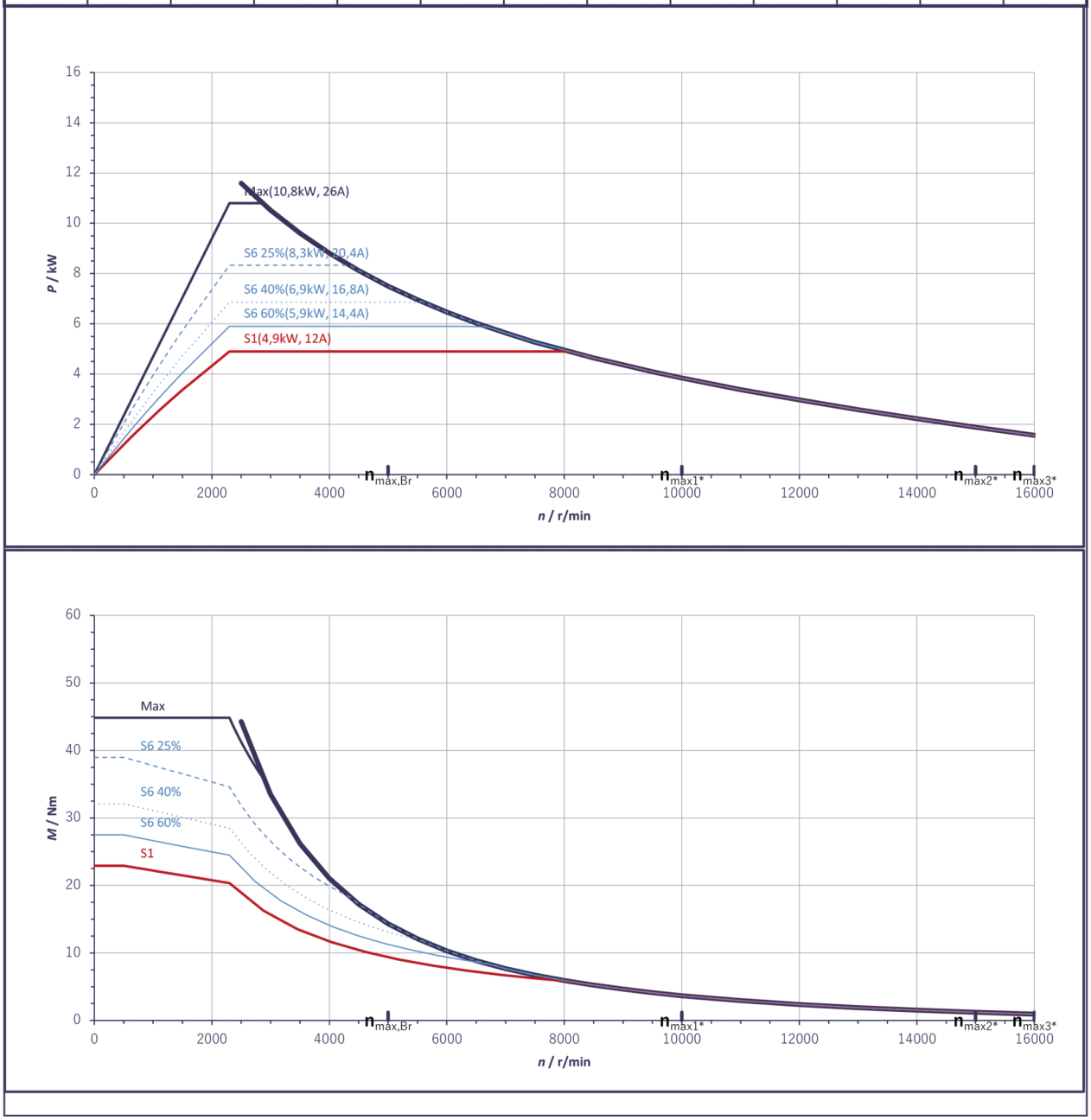


Figure 2-7 002_PD_1PH8083-1xG2_Index_ a-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□G2, 1PH8083-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	5,6	20,2	12,0	10000	15000	16000	5000	8500	45,0	26	23	13,0

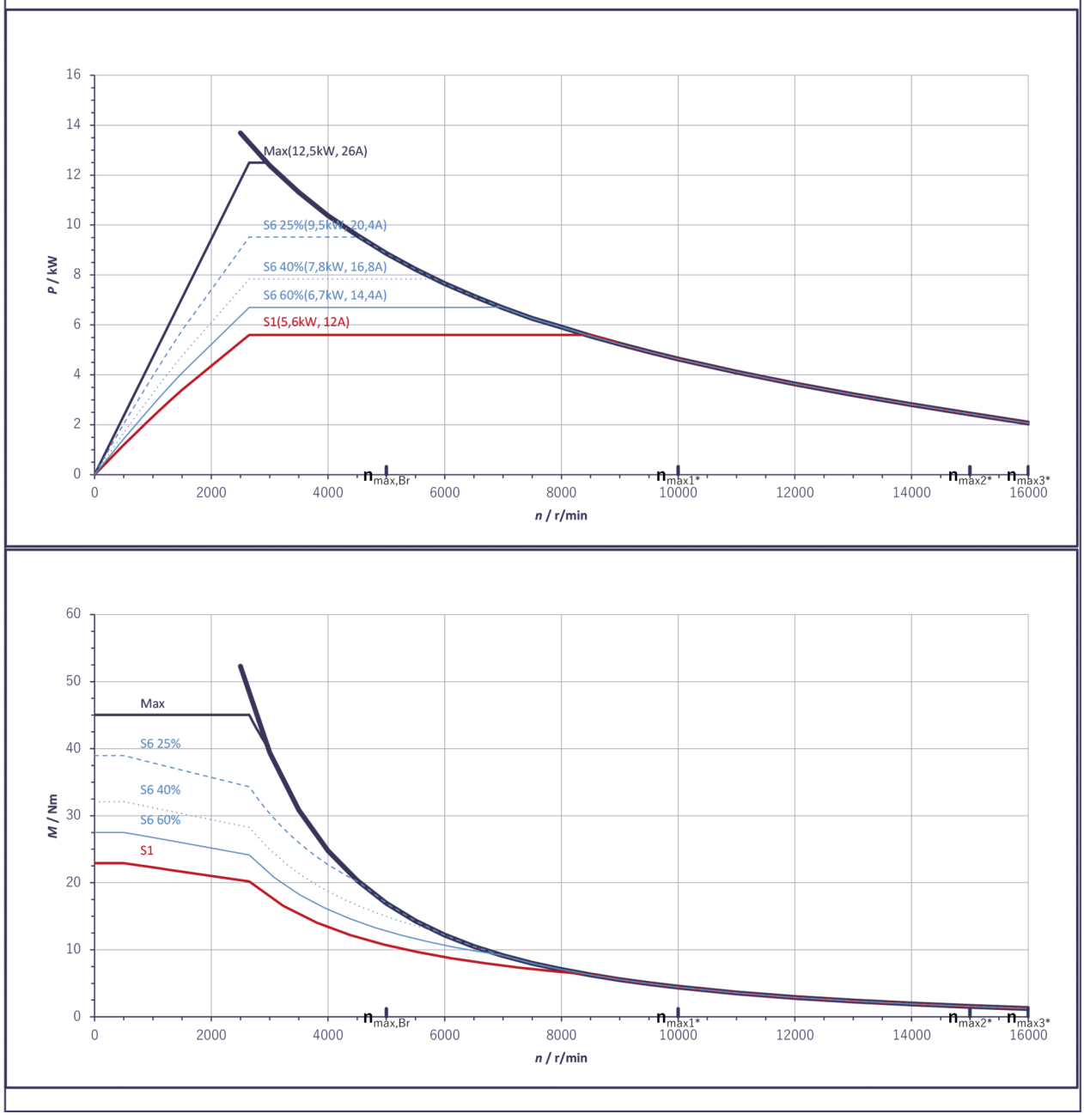


Figure 2-8 002_PD_1PH8083-1xG2_Index_ a-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8083-1□G2, 1PH8083-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	6,0	20,5	12,0	10000	15000	16000	5000	8900	45,0	26	23	13,0

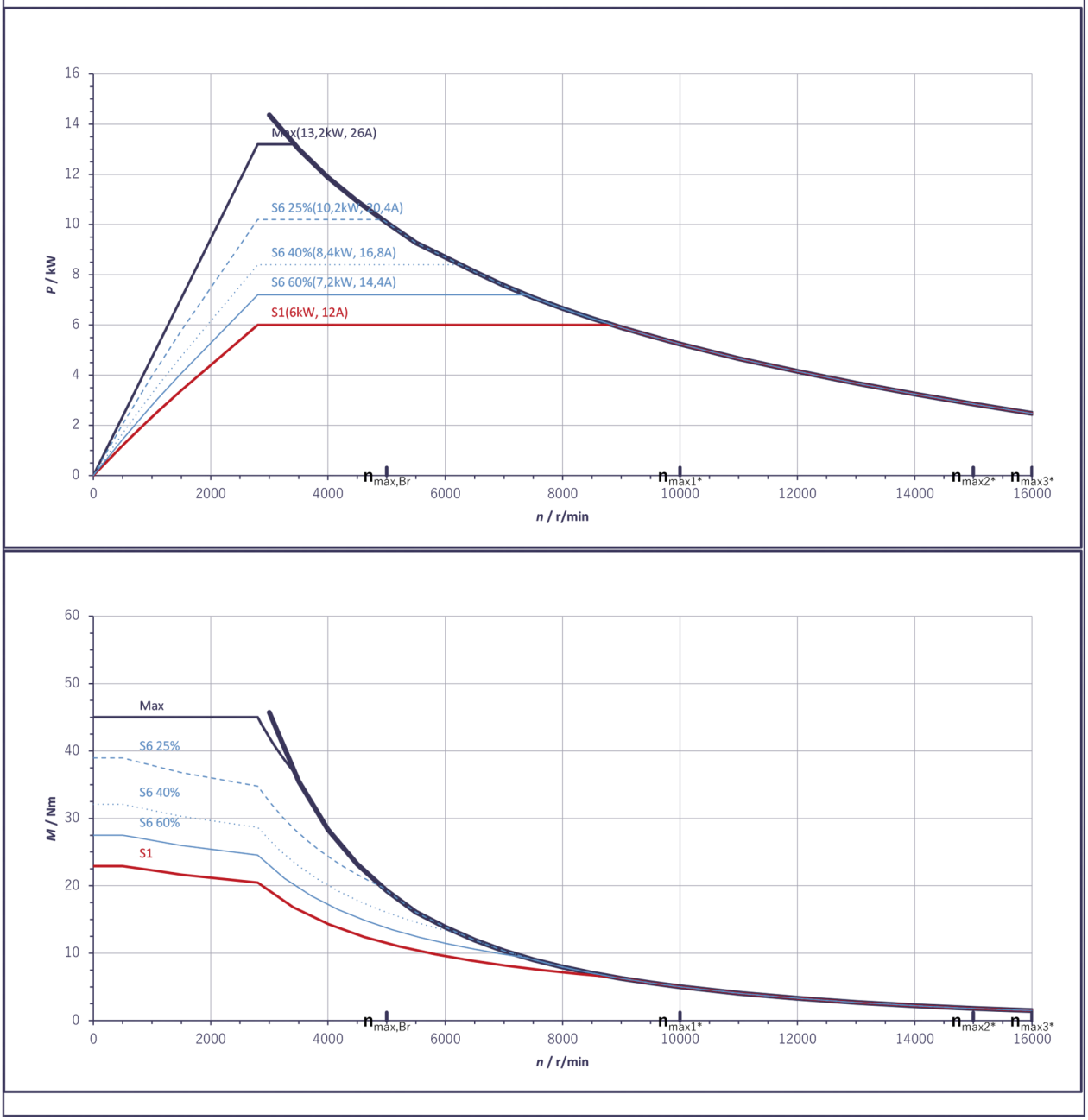


Figure 2-9 002_PD_1PH8083-1xG2_Index_ a-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□N2, 1PH8083-3□N2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
4500	6,7	14,2	18,0	10000	15000	20000	5000	15850	45,0	45	23	23,0

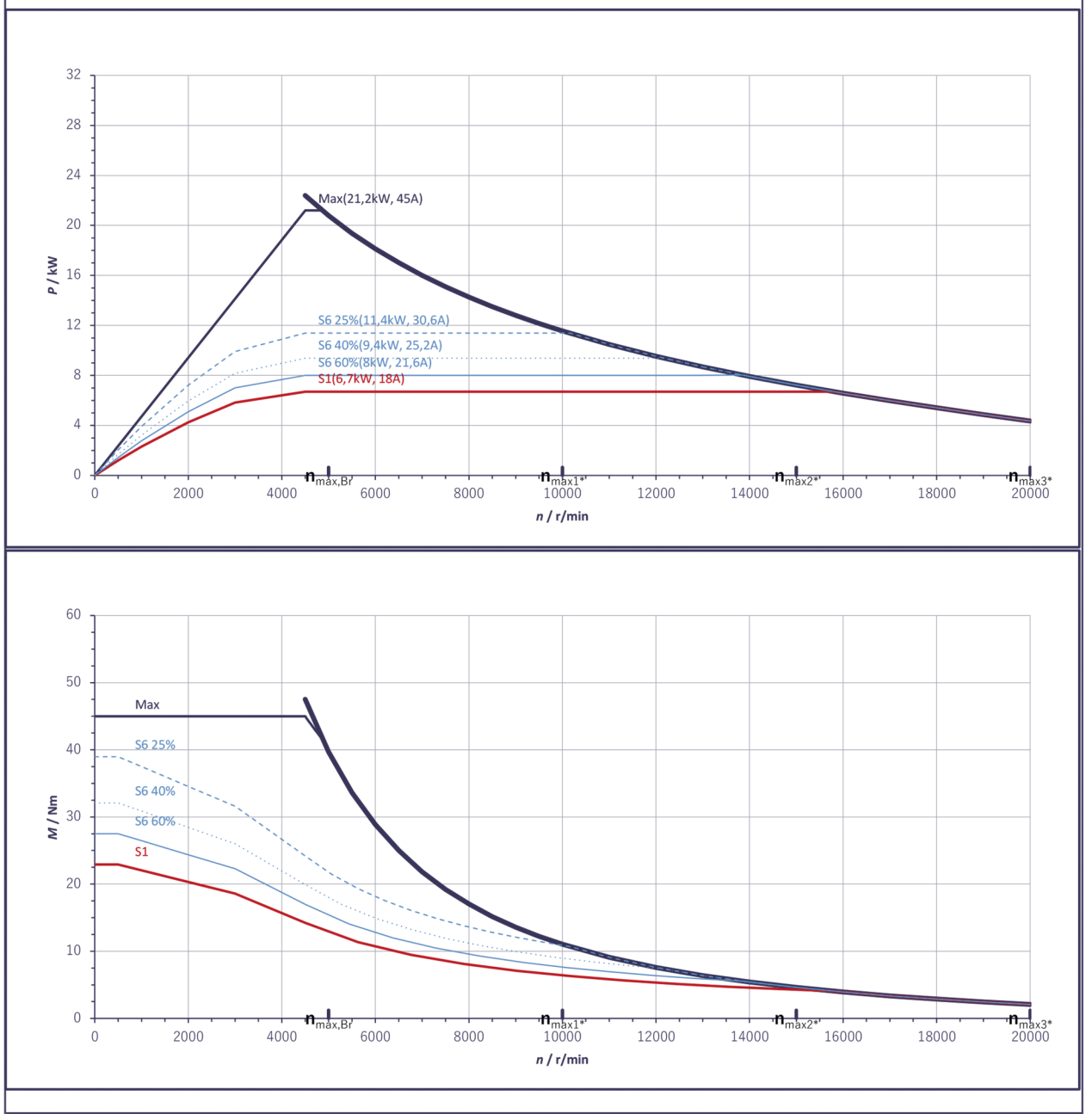


Figure 2-10 003_PD_1PH8083-1xN2_Index_ a-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8083-1□N2, 1PH8083-3□N2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
5000	7,5	14,3	18,0	10000	15000	20000	5000	17700	45,0	45	23	23,0
4500	6,7	14	18,0					18950				

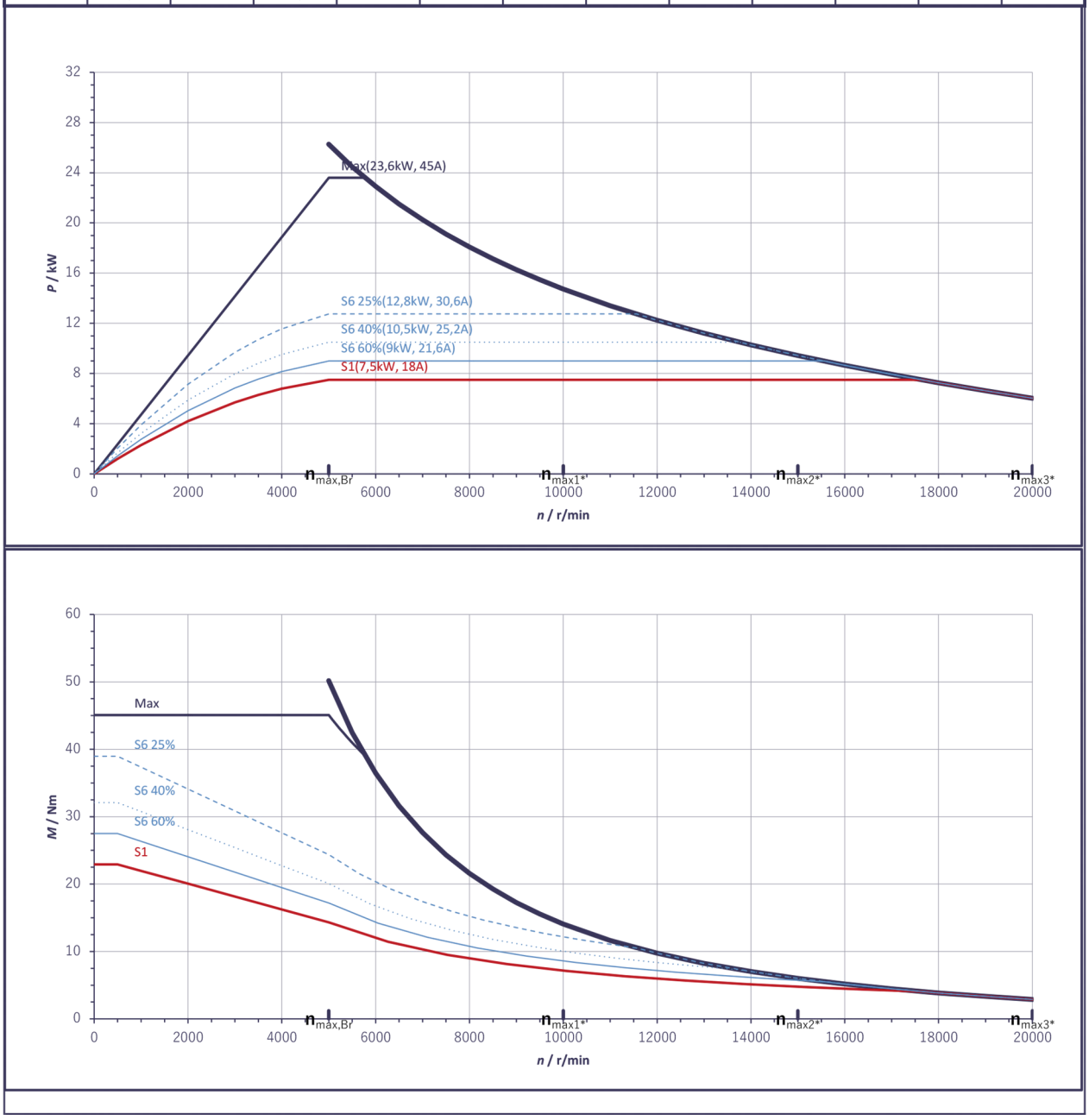


Figure 2-11 003_PD_1PH8083-1xN2_Index_ a-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□N2, 1PH8083-3□N2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
5500	8,2	14,2	18,0	10000	15000	20000	5000	19500	45,0	45	23	23,0

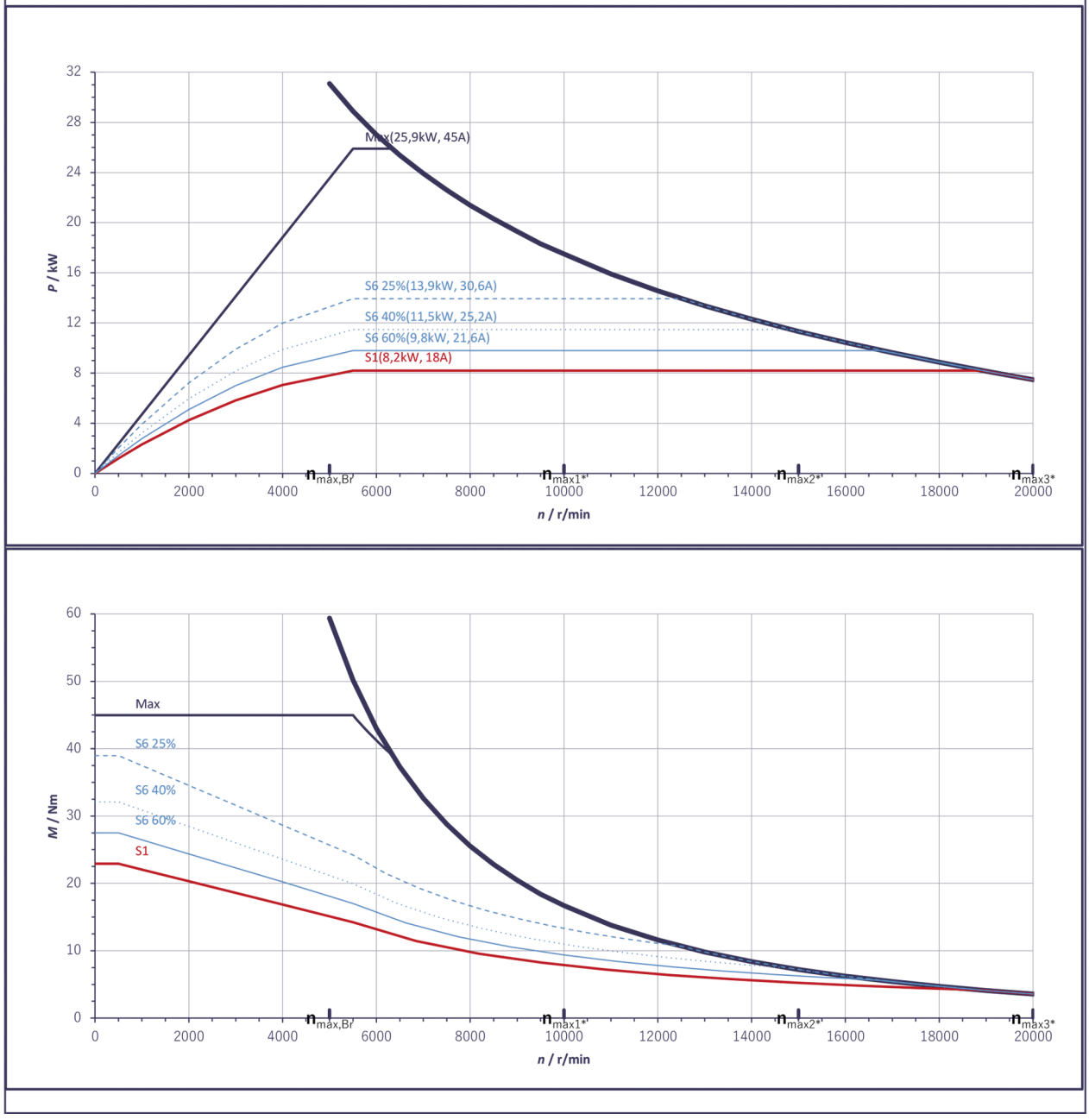


Figure 2-12 003_PD_1PH8083-1xN2_Index_ a-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8083-1□N2, 1PH8083-3□N2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
6000	8,9	14,2	18,0	10000	15000	20000	5000	19450	45,0	45	23	23,0

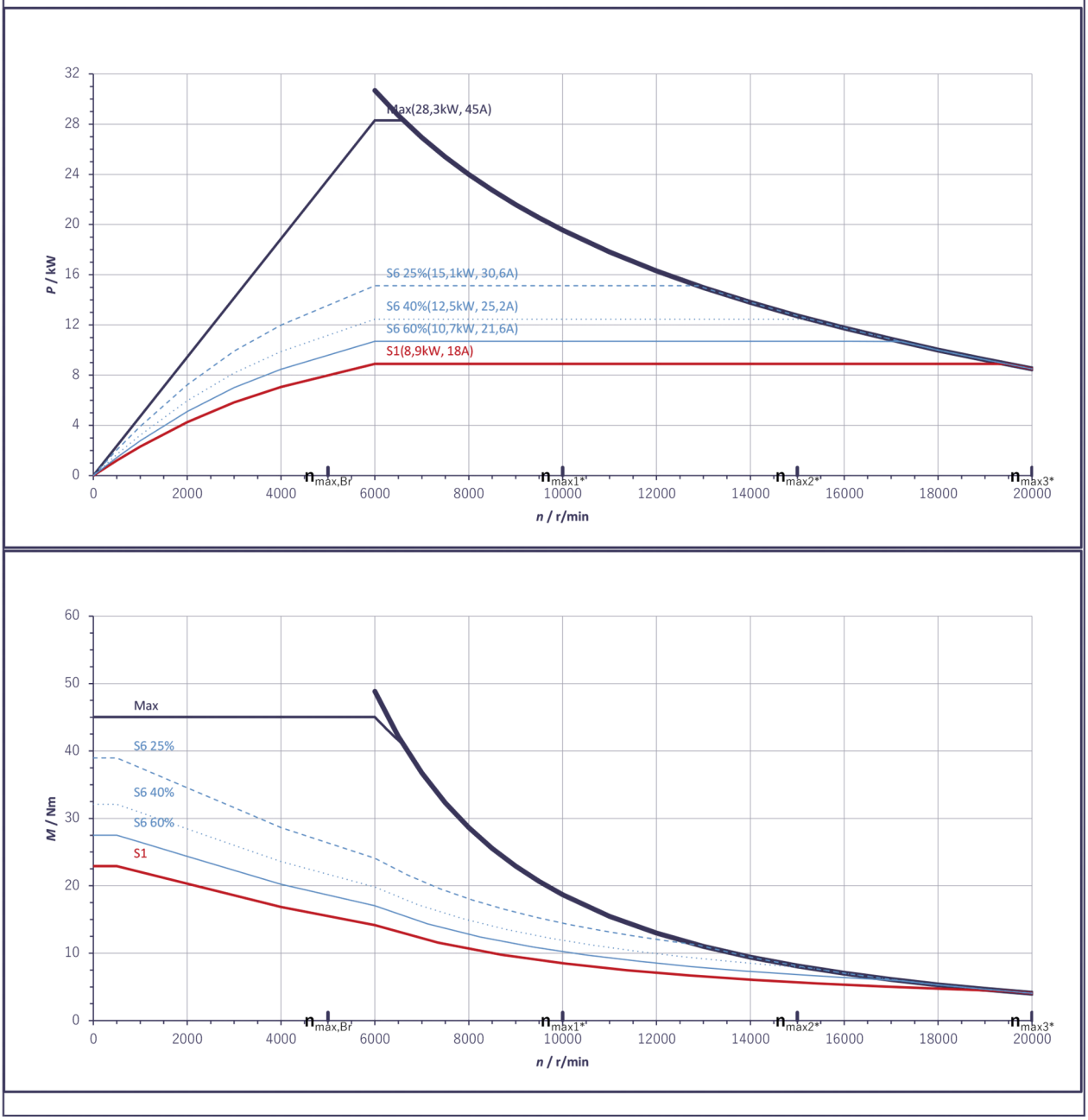


Figure 2-13 003_PD_1PH8083-1xN2_Index_ a-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□F2, 1PH8087-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	4,6	29,3	13,7	10000	15000	--	5000	6000	65,0	29	34	15,0

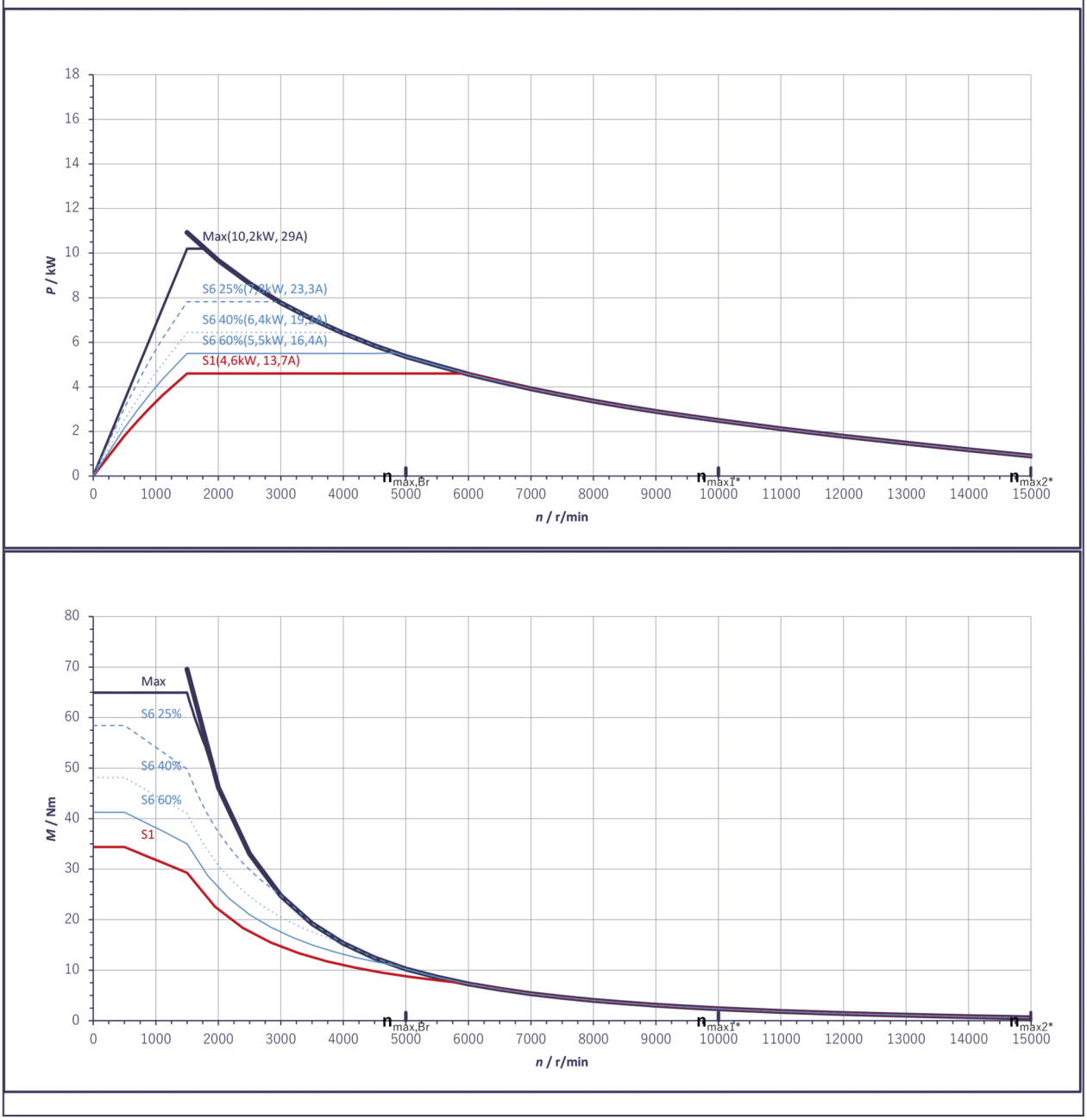


Figure 2-14 004_PD_1PH8087-1xF2_Index_ a-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8087-1□F2, 1PH8087-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	5,4	29,5	13,7	10000	15000	--	5000	6600	65,0	29	34	15,0
1500	4,6	29	13,7					7700				

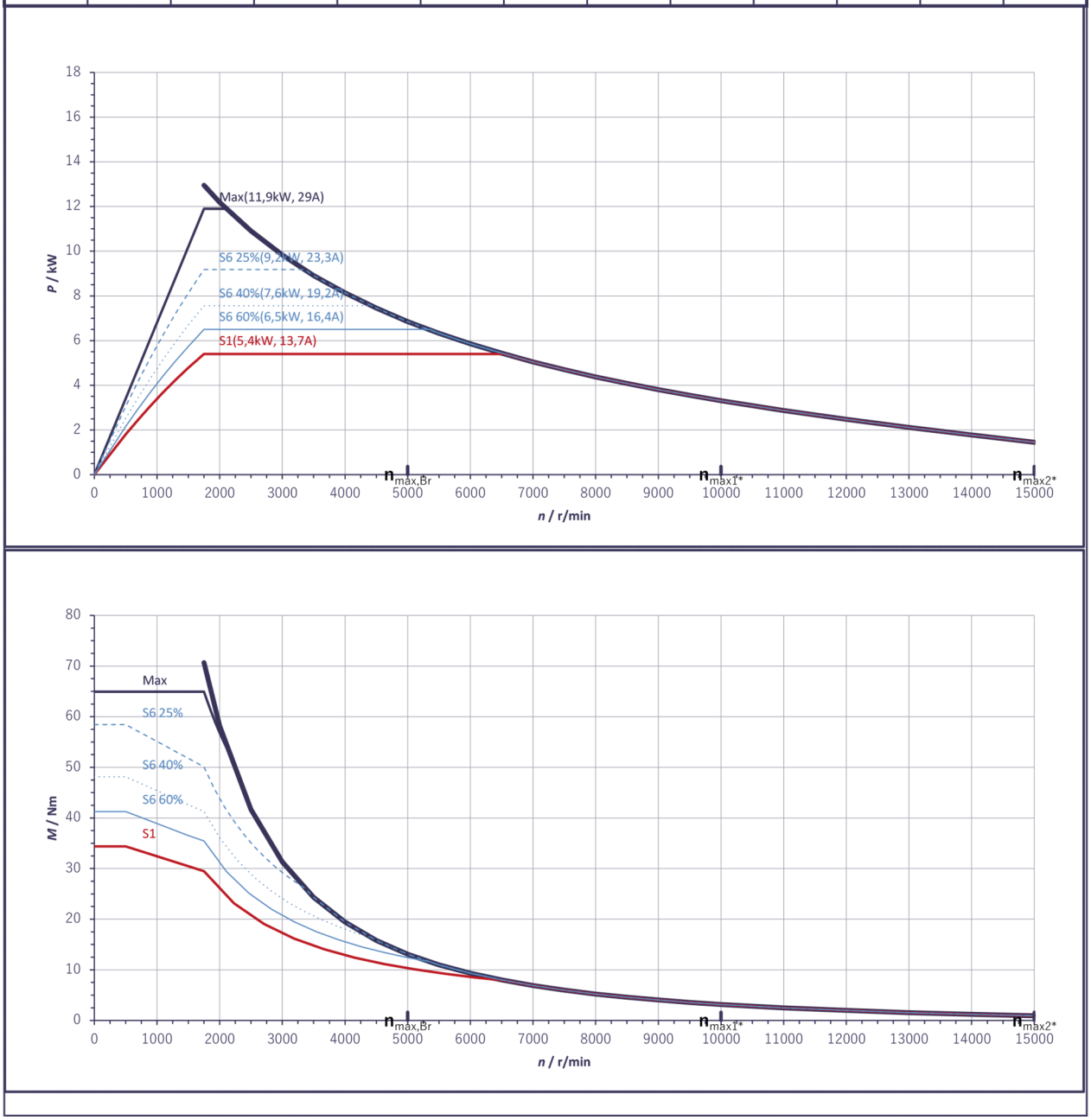


Figure 2-15 004_PD_1PH8087-1xF2_Index_ a-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□F2, 1PH8087-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	6,1	29,1	13,7	10000	15000	--	5000	6950	65,0	29	34	15,0

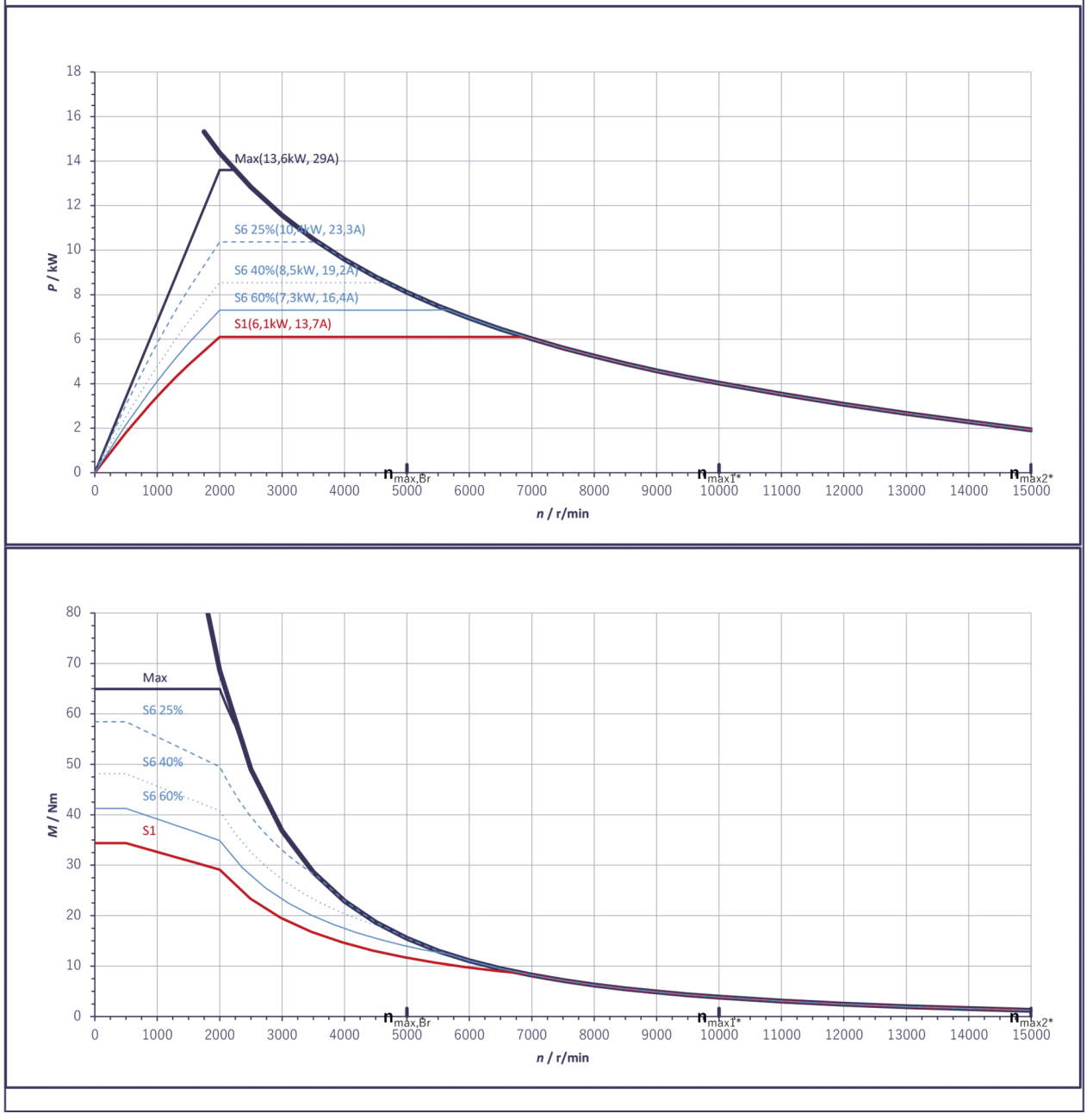


Figure 2-16 004_PD_1PH8087-1xF2_Index_ a-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8087-1□F2, 1PH8087-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	6,7	29,1	13,7	10000	15000	--	5000	7100	65,0	29	34	15,0

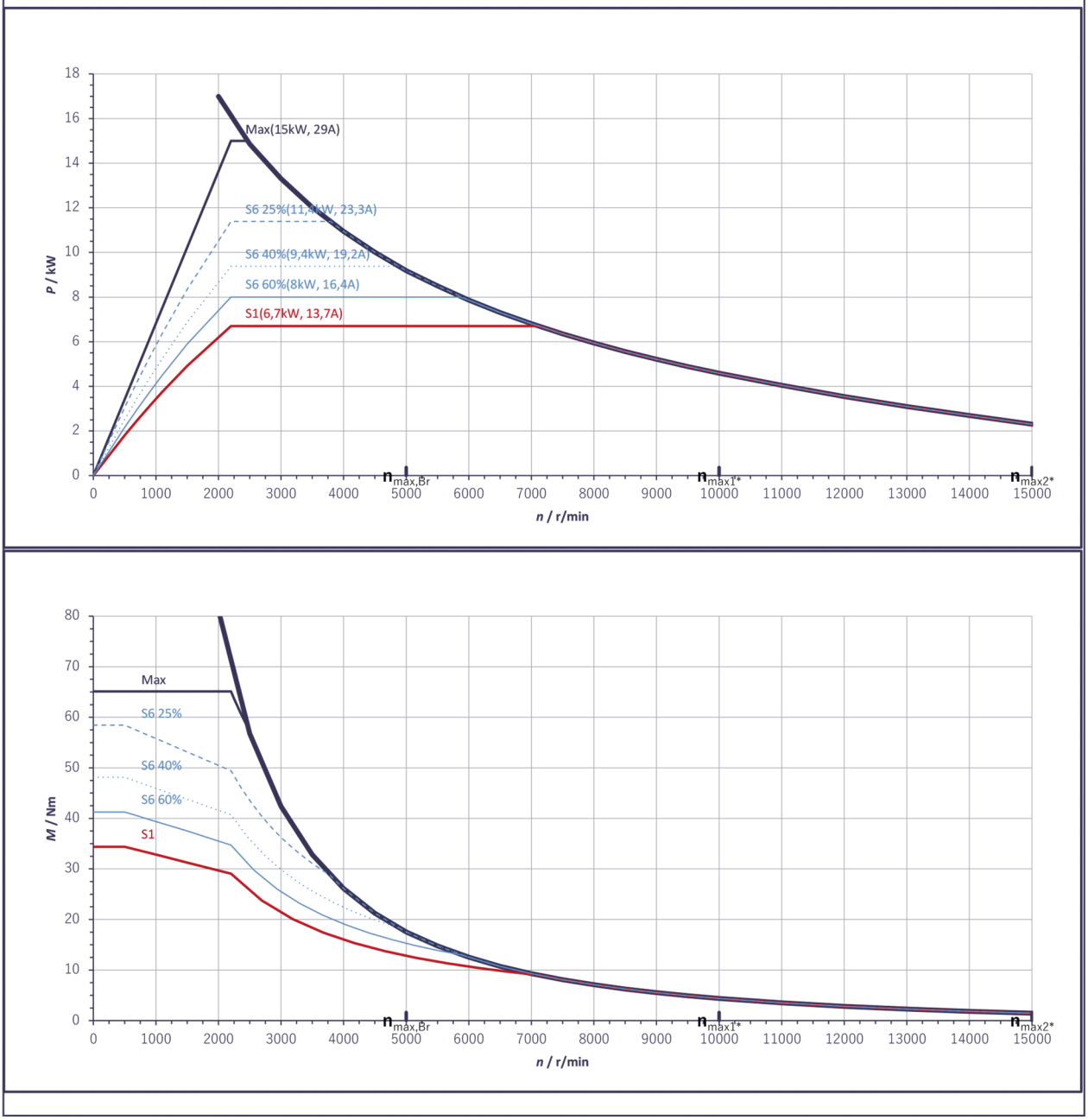


Figure 2-17 004_PD_1PH8087-1xF2_Index_ a-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□G2, 1PH8087-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	6,1	29,1	17,5	10000	15000	19000	5000	7950	65,0	38	34	19,0

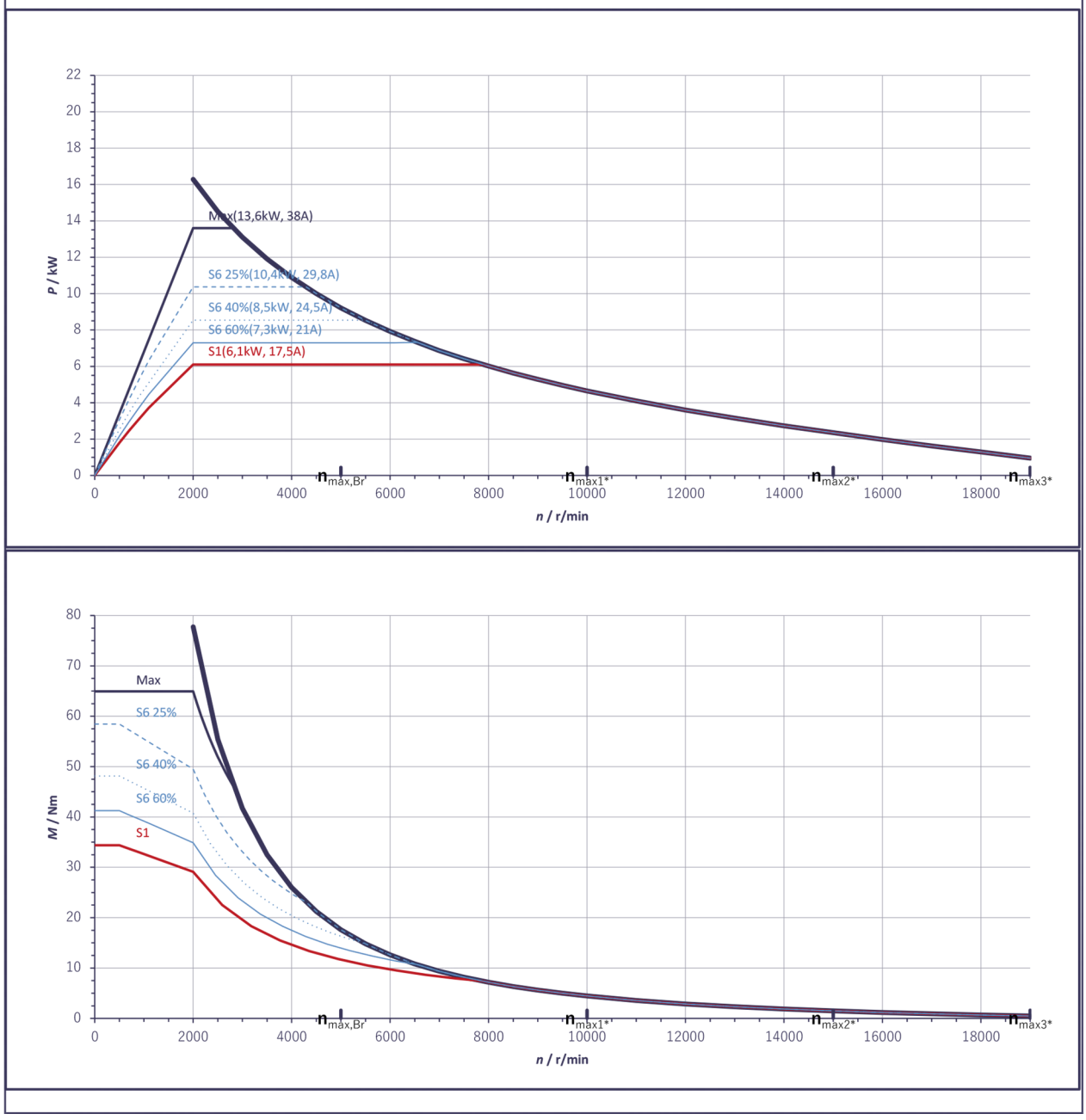


Figure 2-18 005_PD_1PH8087-1xG2_Index_ a-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8087-1□G2, 1PH8087-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	7,0	29,1	17,7	10000	15000	19000	5000	8850	65,0	38	34	19,0
2000	6,1	29	17,5					10000				

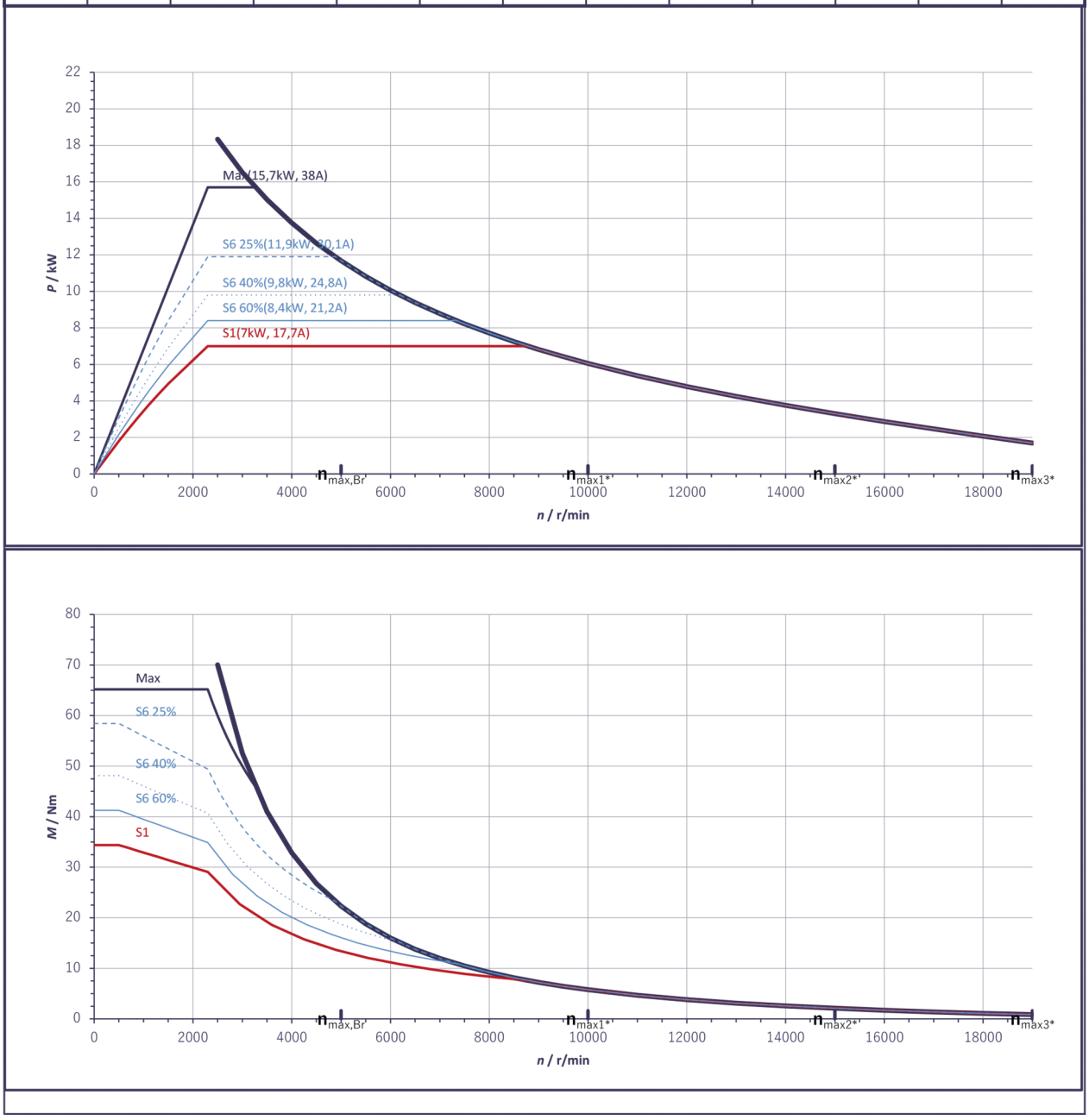


Figure 2-19 005_PD_1PH8087-1xG2_Index_ a-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□G2, 1PH8087-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	8,1	29,2	17,8	10000	15000	19000	5000	9150	65,0	38	34	19,0

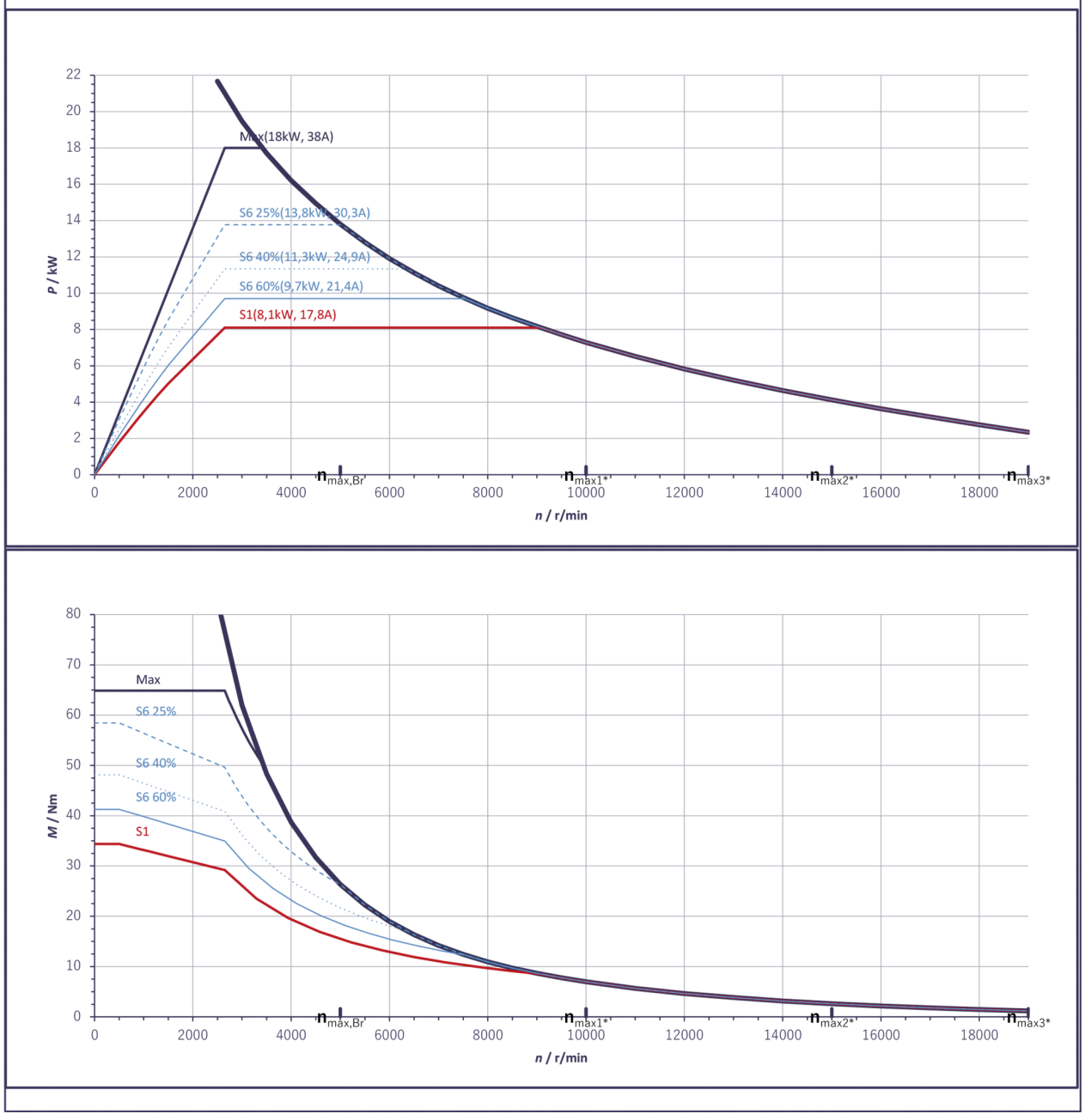


Figure 2-20 005_PD_1PH8087-1xG2_Index_ a-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8087-1□G2, 1PH8087-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	8,5	29,0	17,8	10000	15000	19000	5000	9700	65,0	38	34	19,0

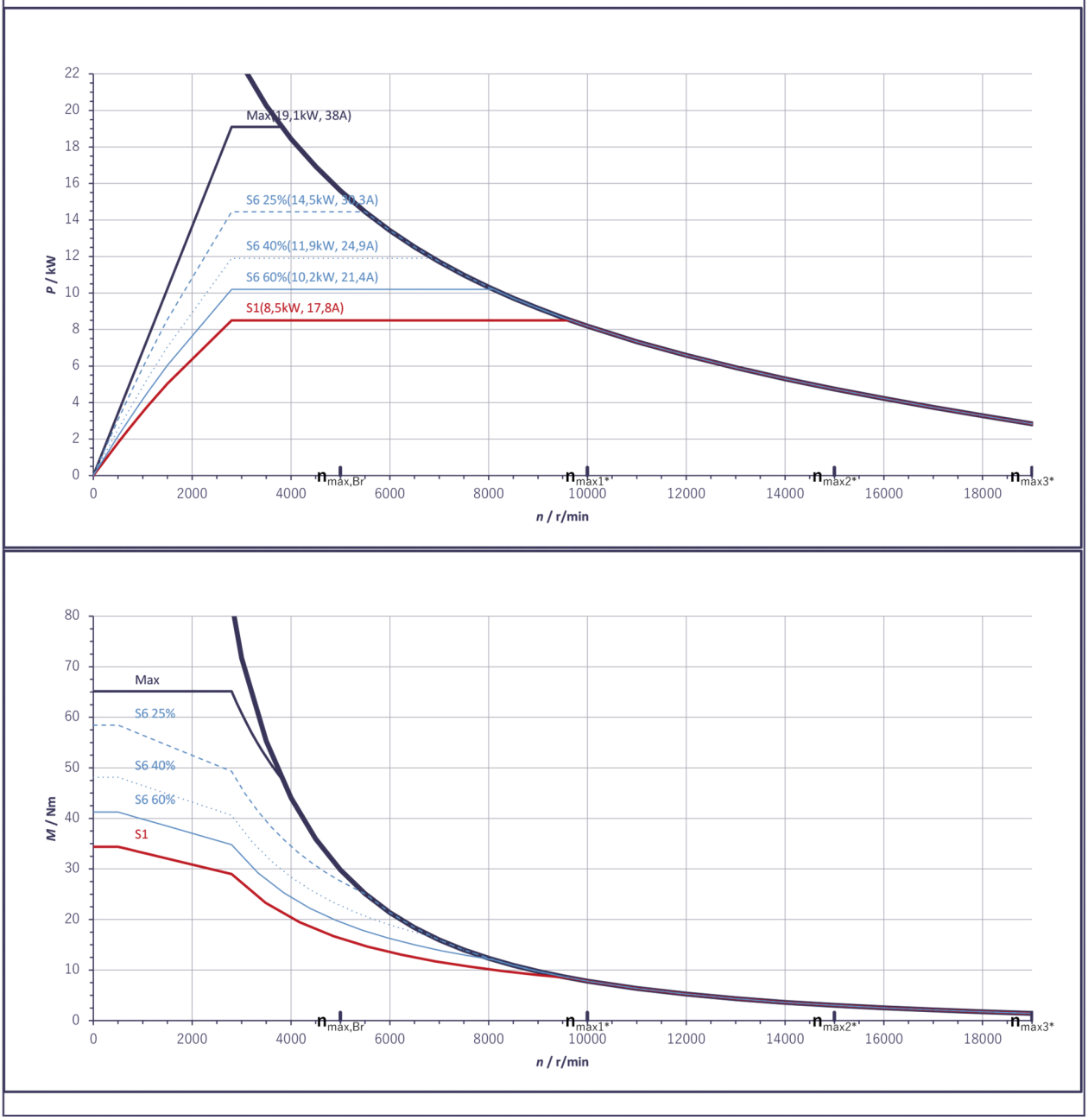


Figure 2-21 005_PD_1PH8087-1xG2_Index_ a-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□N2, 1PH8087-3□N2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
4500	8,5	18,0	24,0	10000	15000	20000	5000	16750	65,0	69	27	31,0

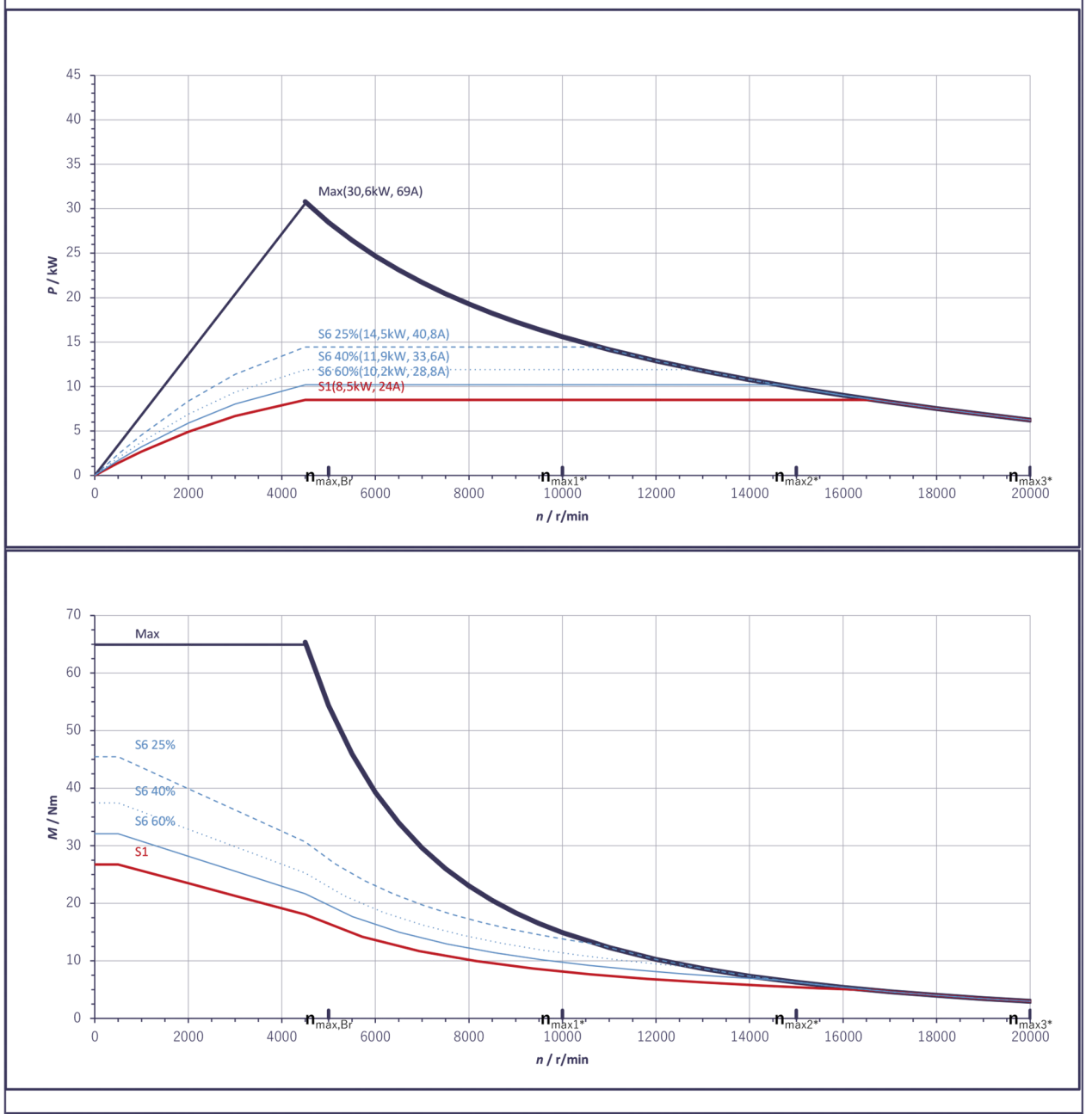


Figure 2-22 006_PD_1PH8087-1xN2_Index_ b-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8087-1□N2, 1PH8087-3□N2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
5000	9,5	18,1	24,0	10000	15000	20000	5000	18700	65,0	69	27	31,0
4500	8,5	18	24,0					20000				

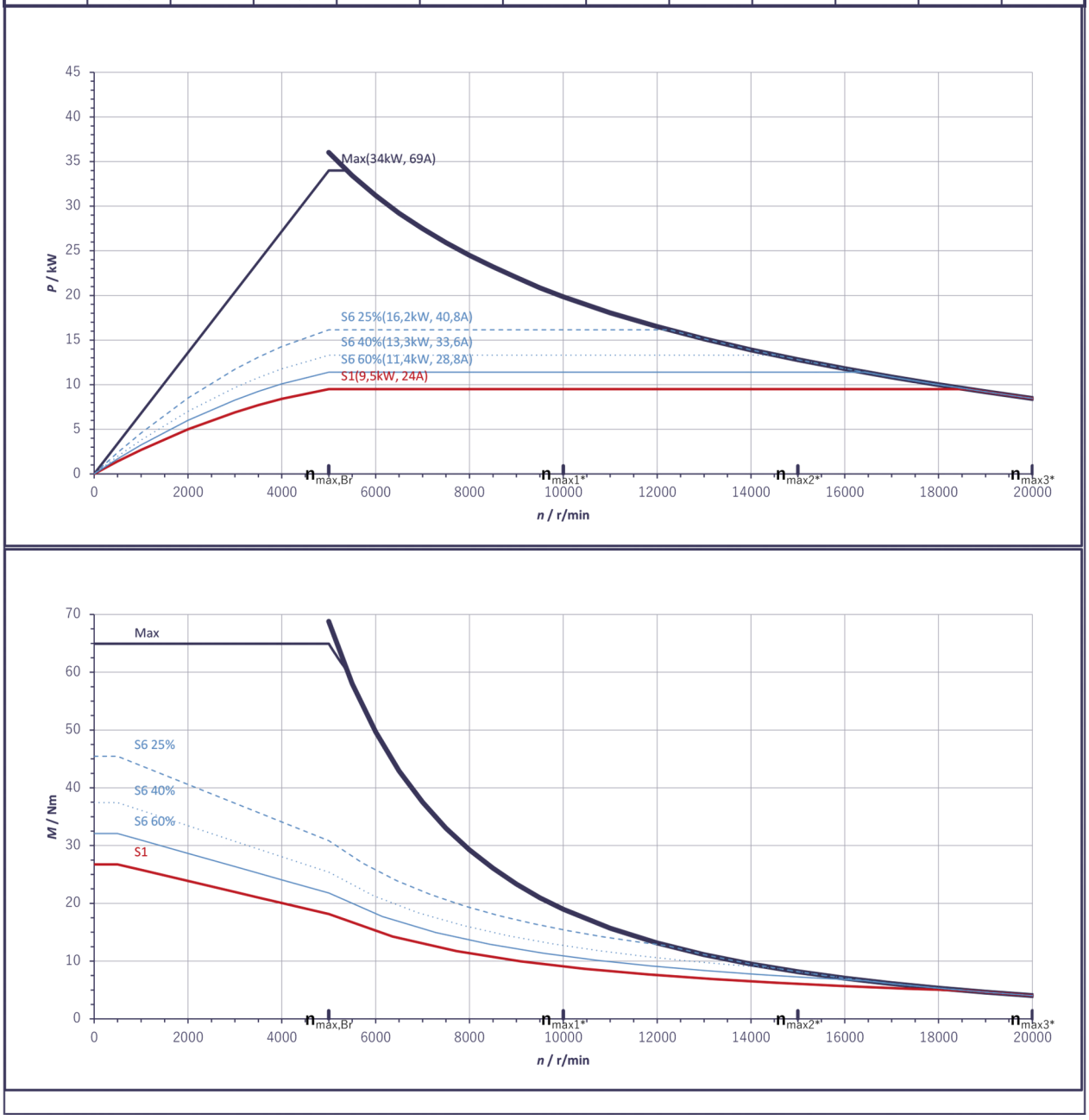


Figure 2-23 006_PD_1PH8087-1xN2_Index_ b-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□N2, 1PH8087-3□N2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
5500	10,5	18,2	24,0	10000	15000	20000	5000	19900	65,0	69	27	31,0

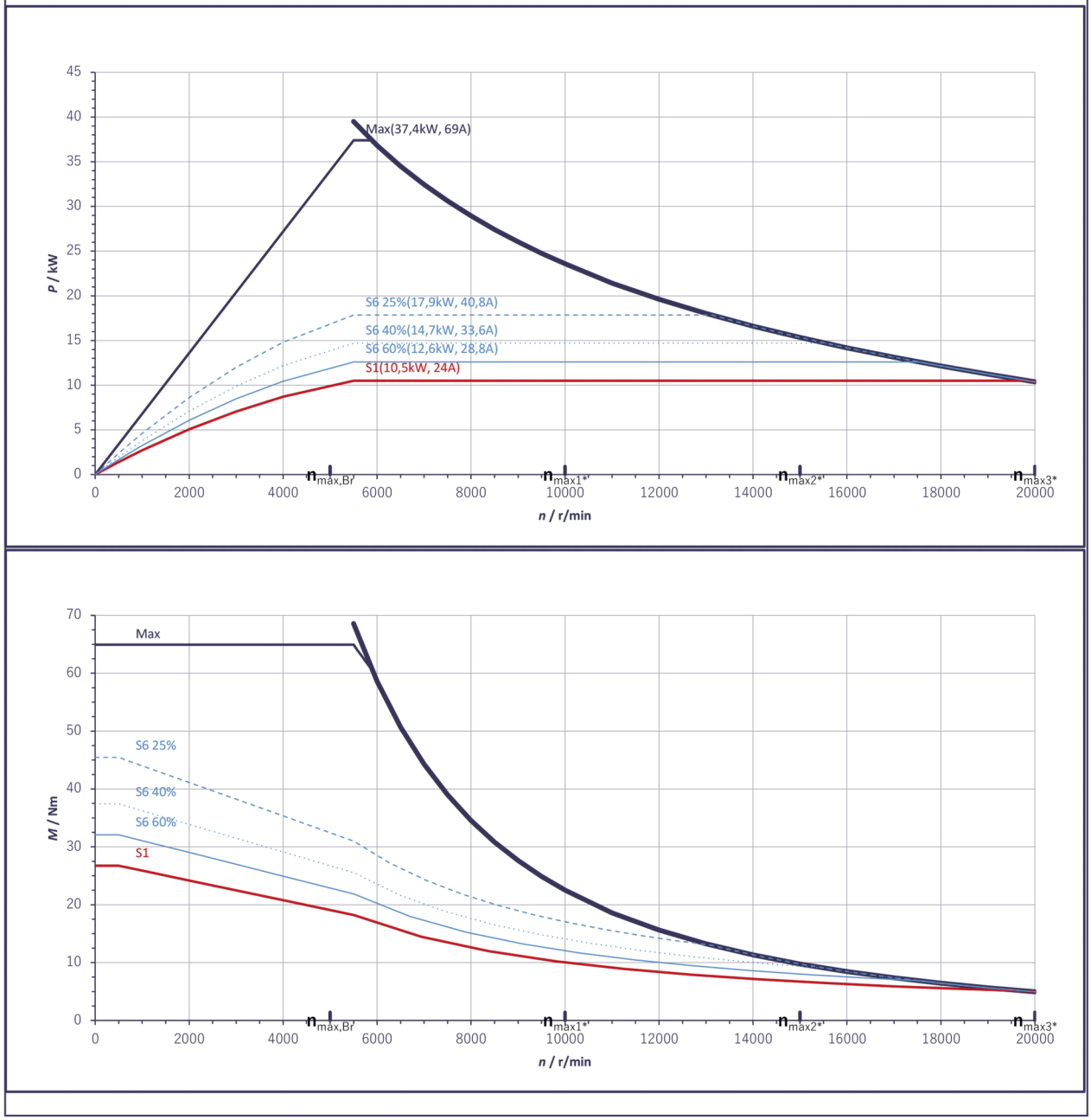


Figure 2-24 006_PD_1PH8087-1xN2_Index_ b-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8087-1□N2, 1PH8087-3□N2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
6000	11,4	18,1	24,0	10000	15000	20000	5000	20000	65,0	69	27	31,0

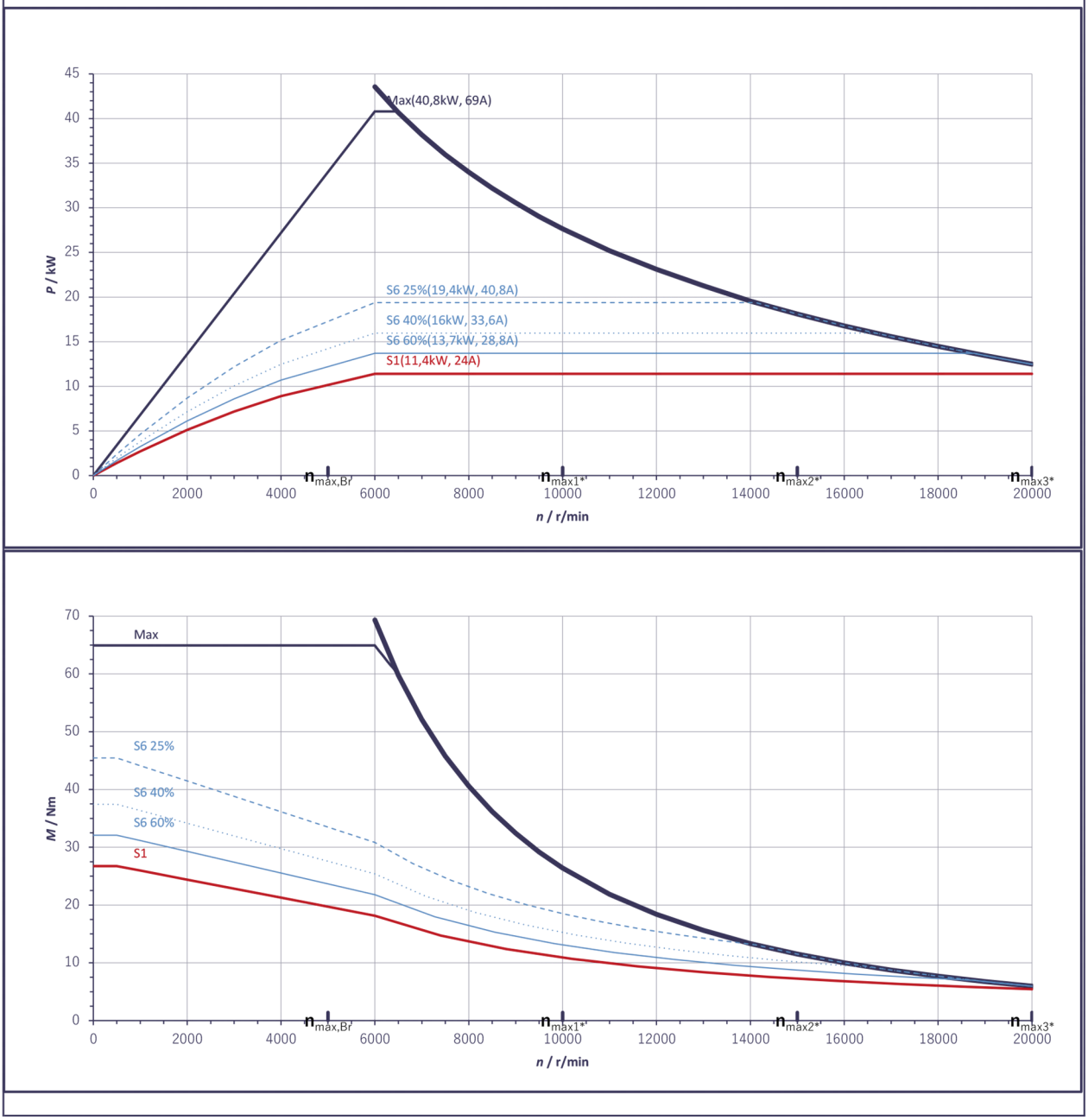


Figure 2-25 006_PD_1PH8087-1xN2_Index_ b-4_04

2.3.2 Shaft height 80 – Water cooling - Premium Performance

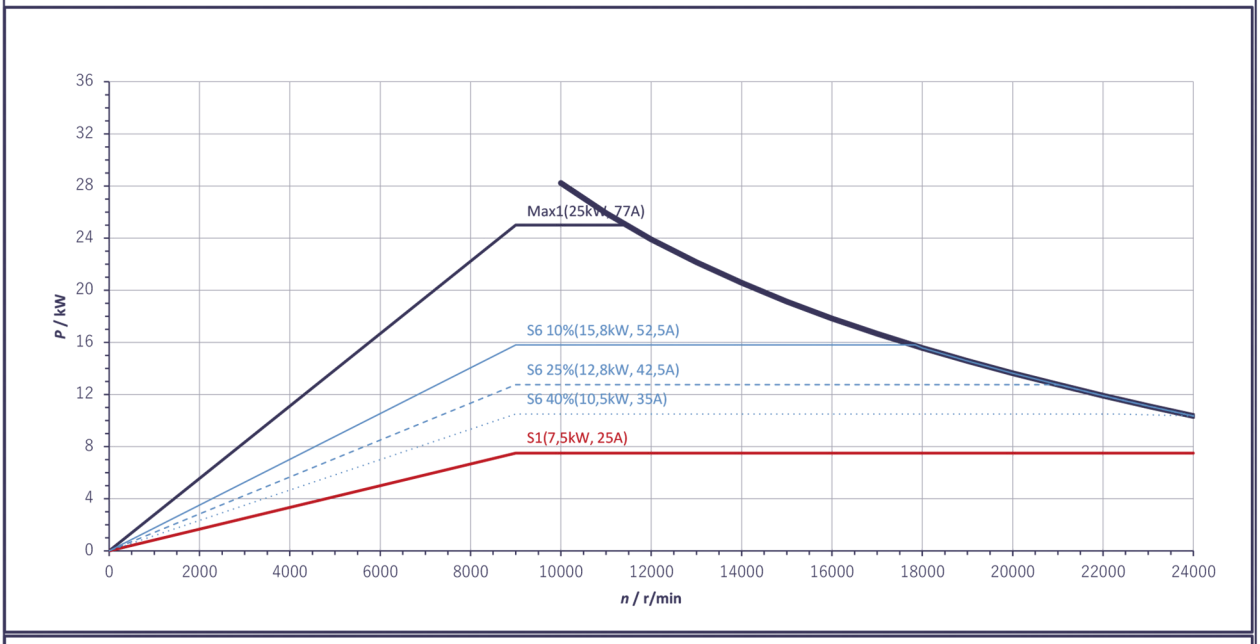
Note

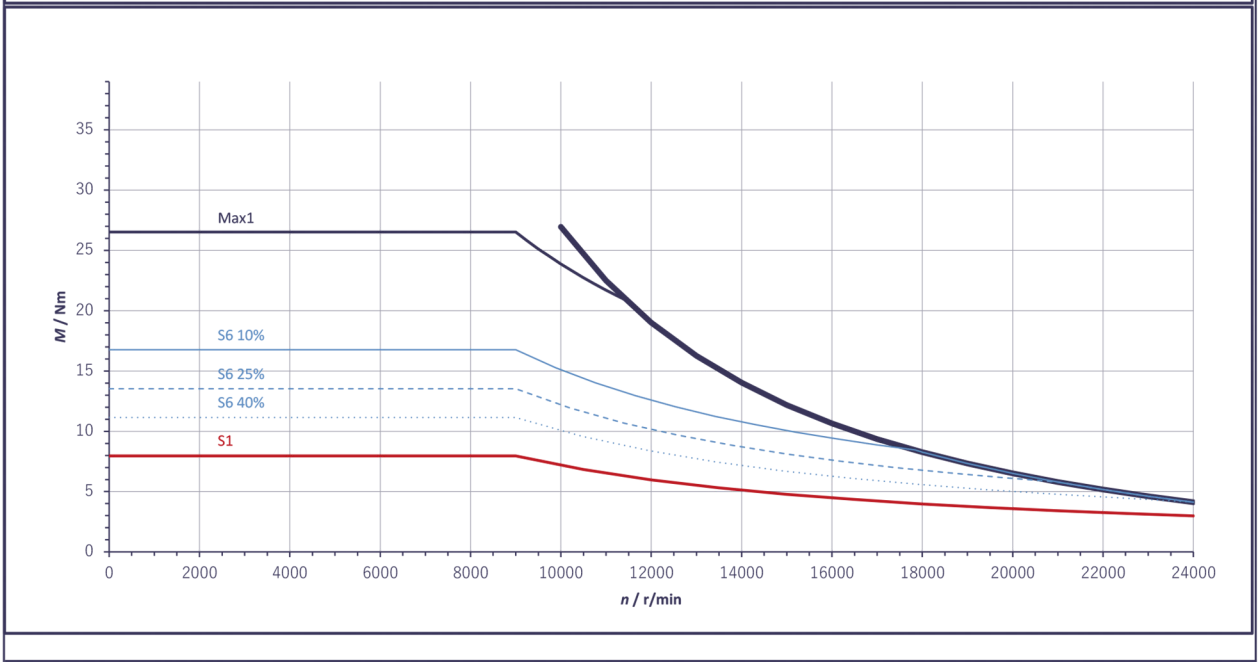
Symbols of the characteristic curves for 1PH808 Premium Performance

You will find the explanation of the symbols for these motors in Chapter "Configuration for 1PH808 Premium Performance."

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8081-1□U2 in Star-connection

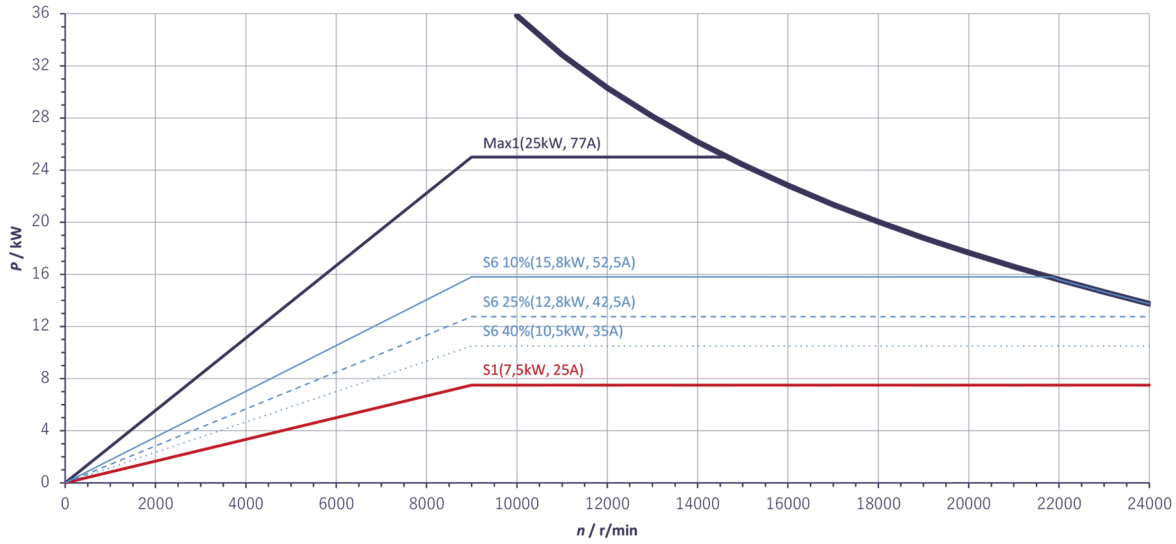
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
9000	7,5	8,0	25,0	24000	24000	77	--	--	27	--	--	4

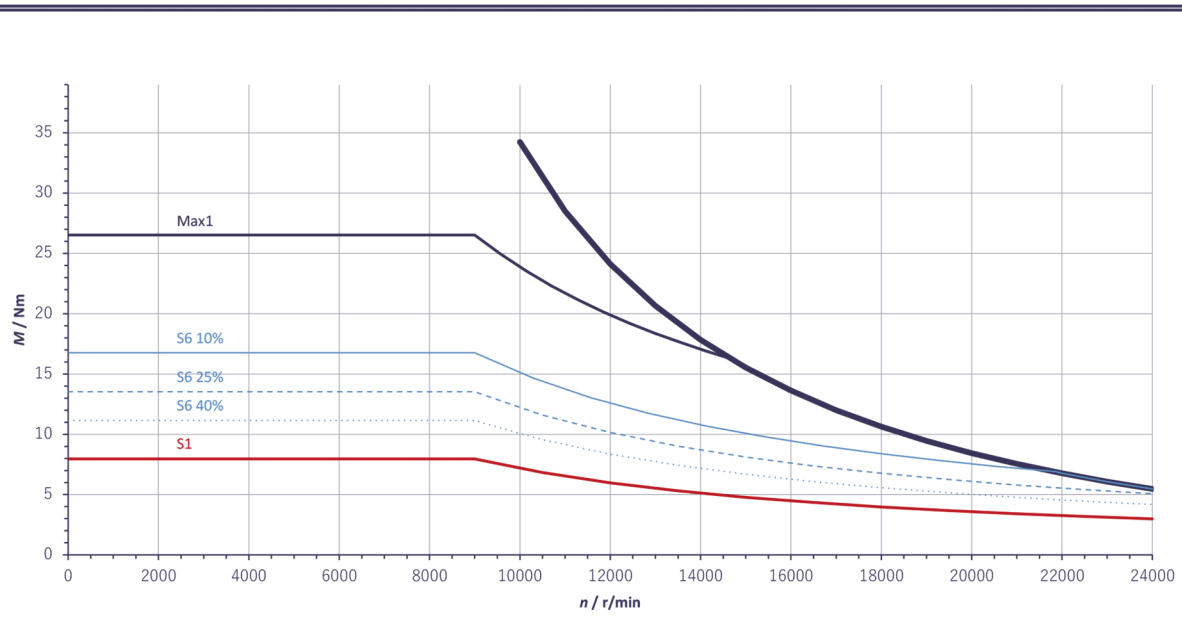




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8081-1□U2 in Star-connection

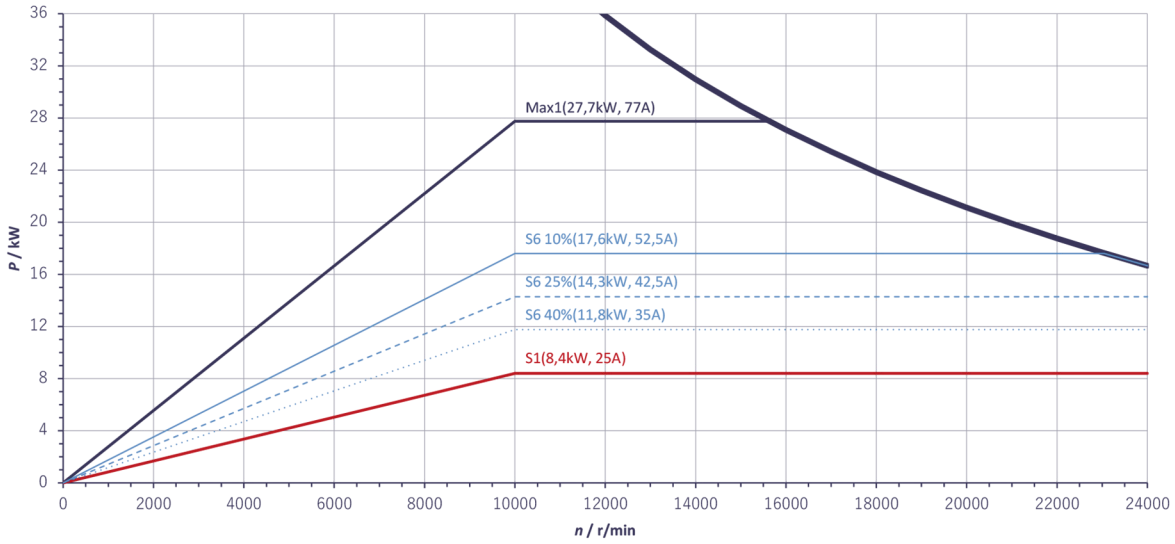
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
9000	7,5	8,0	25,0	24000	24000	77	--	--	27	--	--	4

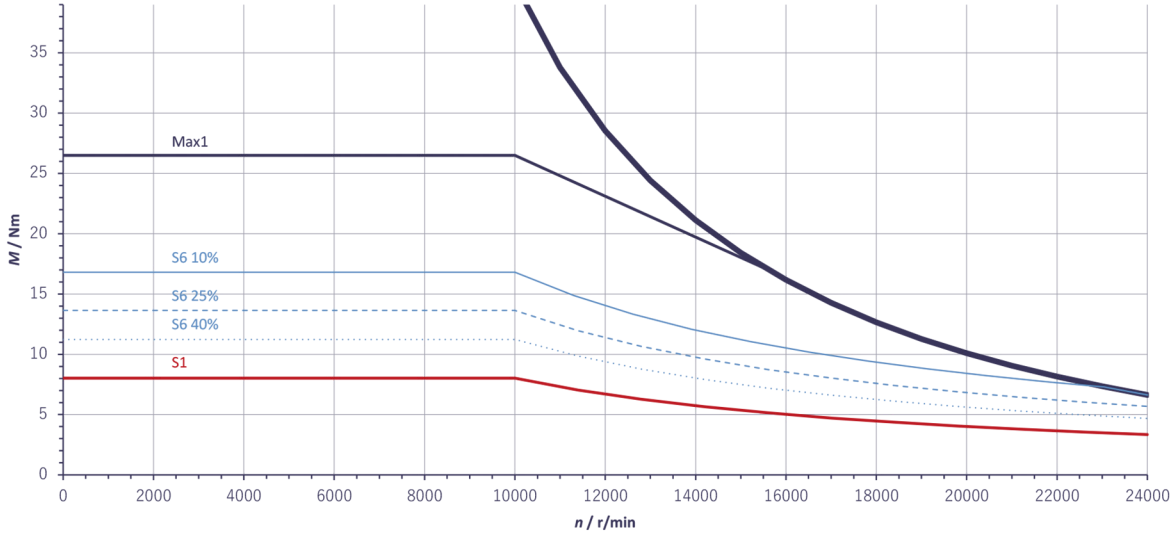




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8081-1□U2 in Star-connection

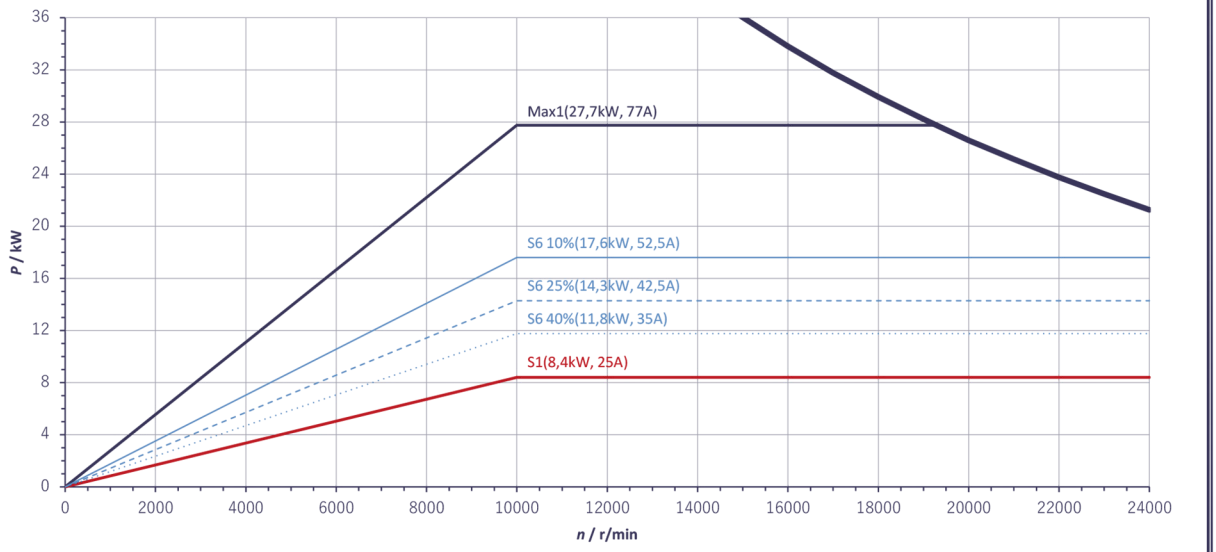
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
10000	8,4	8,0	25,0	24000	24000	77	--	--	27	--	--	4

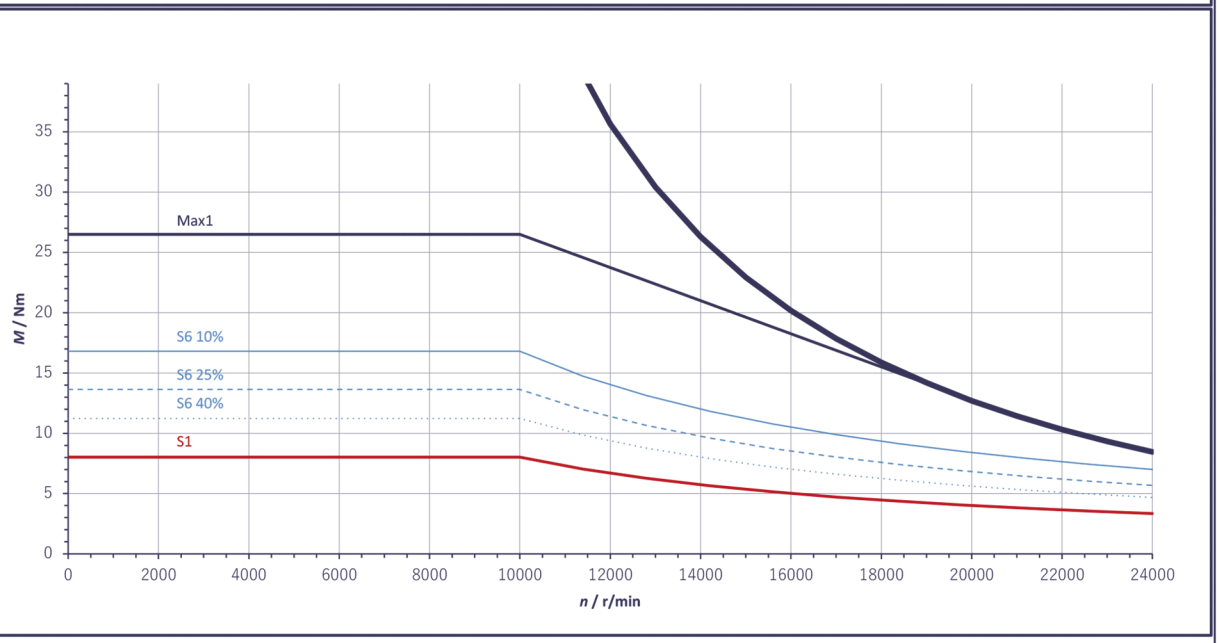




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8081-1□U2 in Star-connection

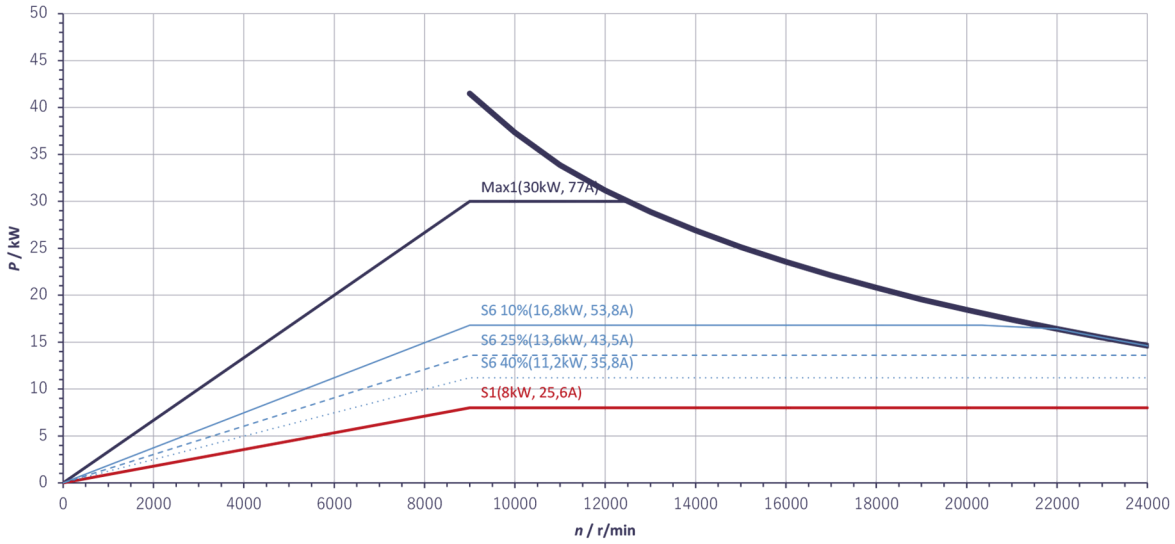
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
10000	8,4	8,0	25,0	24000	24000	77	--	--	27	--	--	4

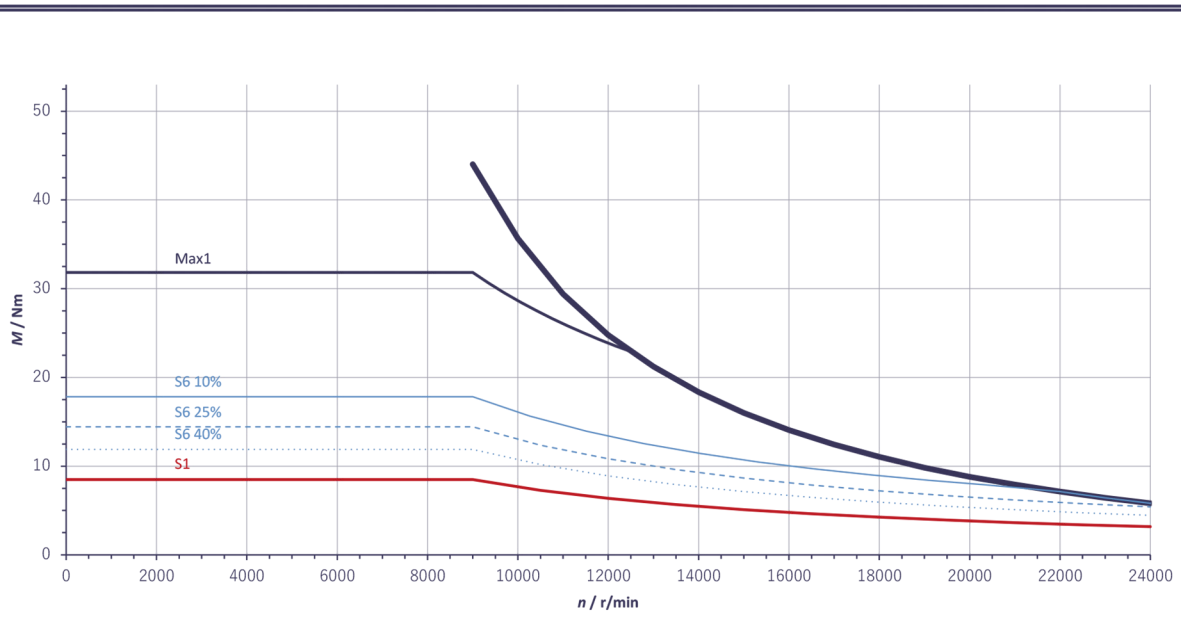




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8081-1□T2 in Star-connection

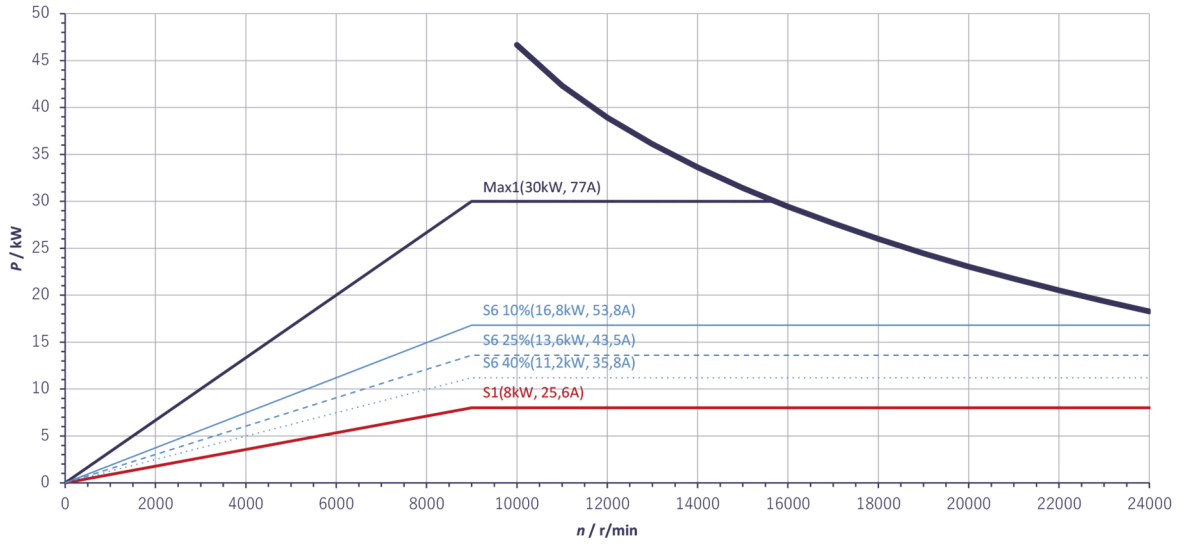
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
9000	8,0	8,5	25,6	24000	24000	77	--	--	32	--	--	4

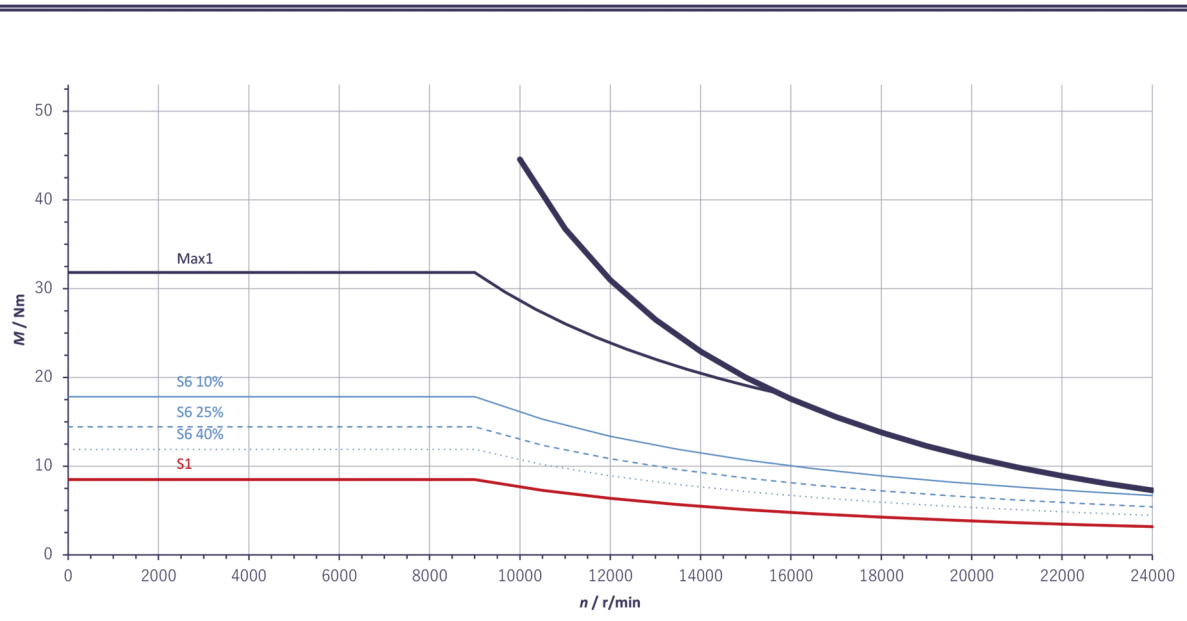




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8081-1□T2 in Star-connection

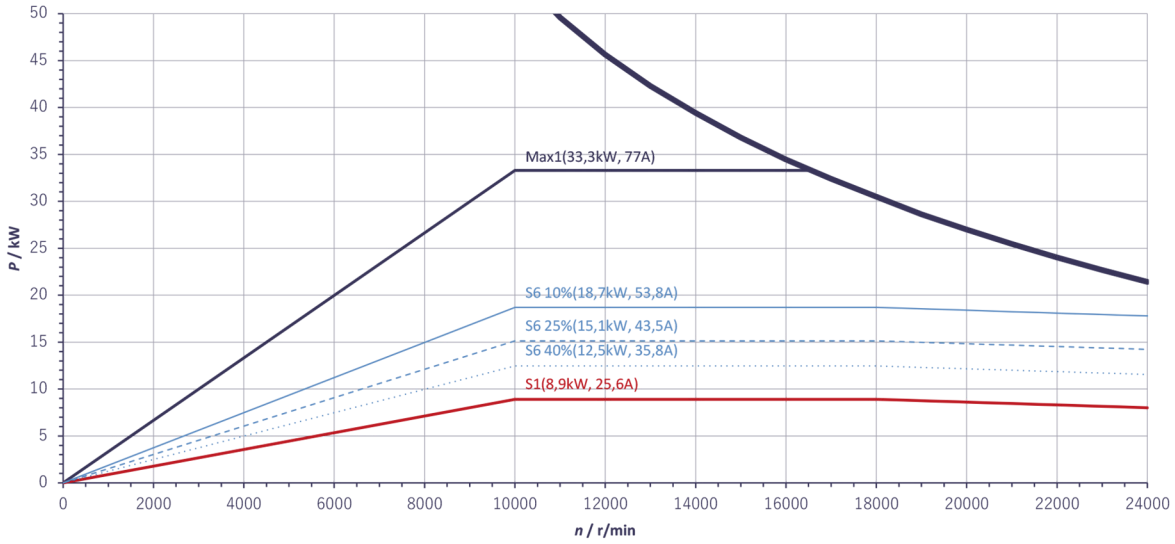
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
9000	8,0	8,5	25,6	24000	24000	77	--	--	32	--	--	4

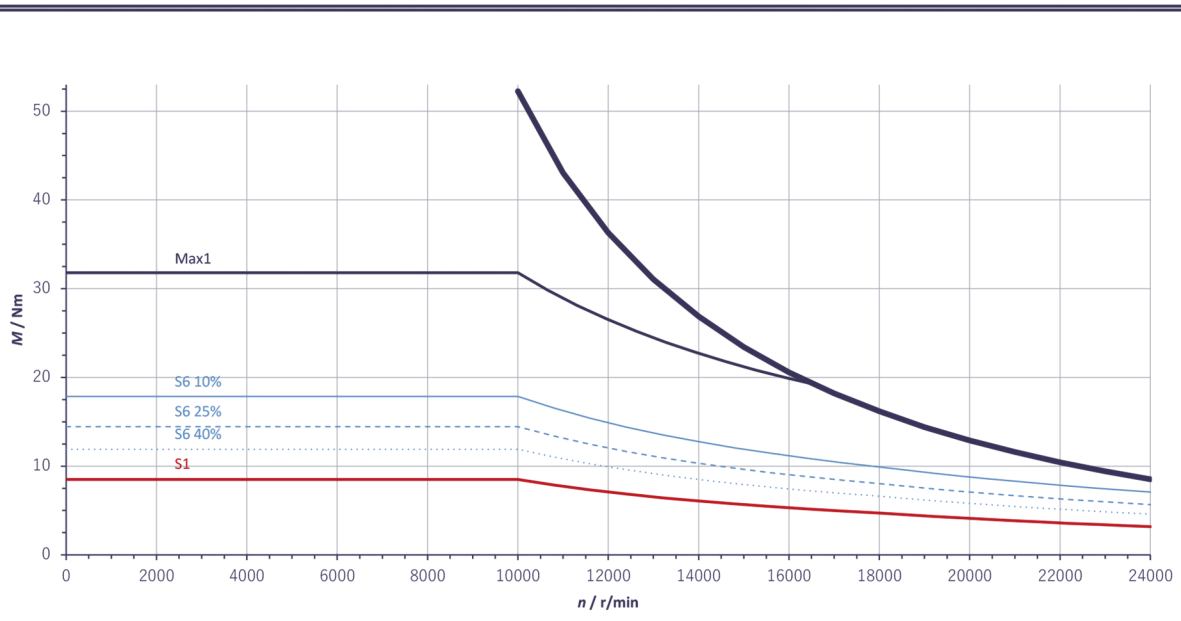




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8081-1□T2 in Star-connection

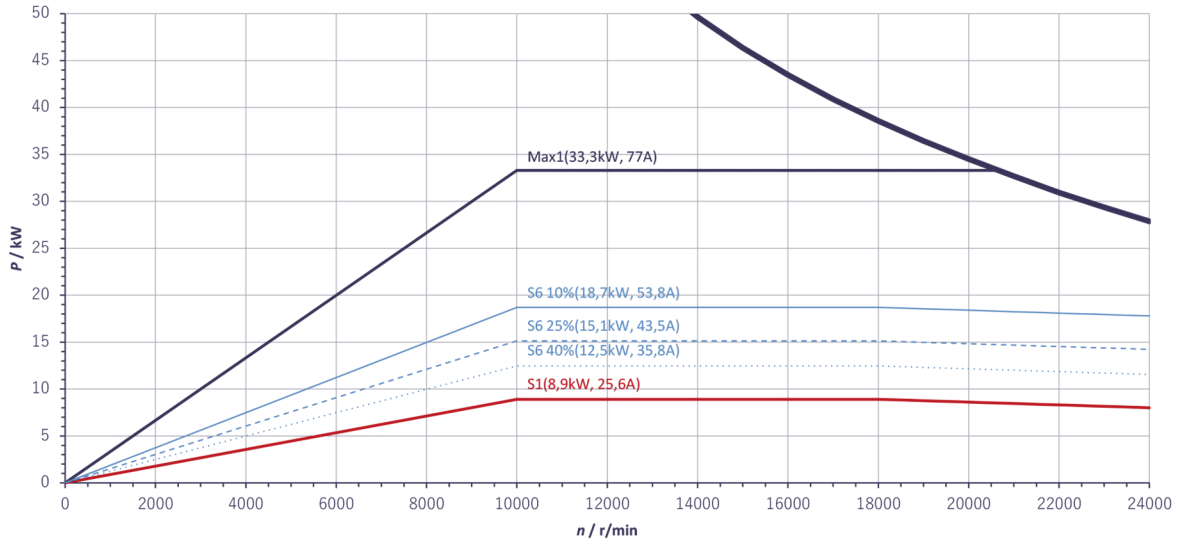
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
10000	8,9	8,5	25,6	18000	24000	77	--	--	32	--	--	4

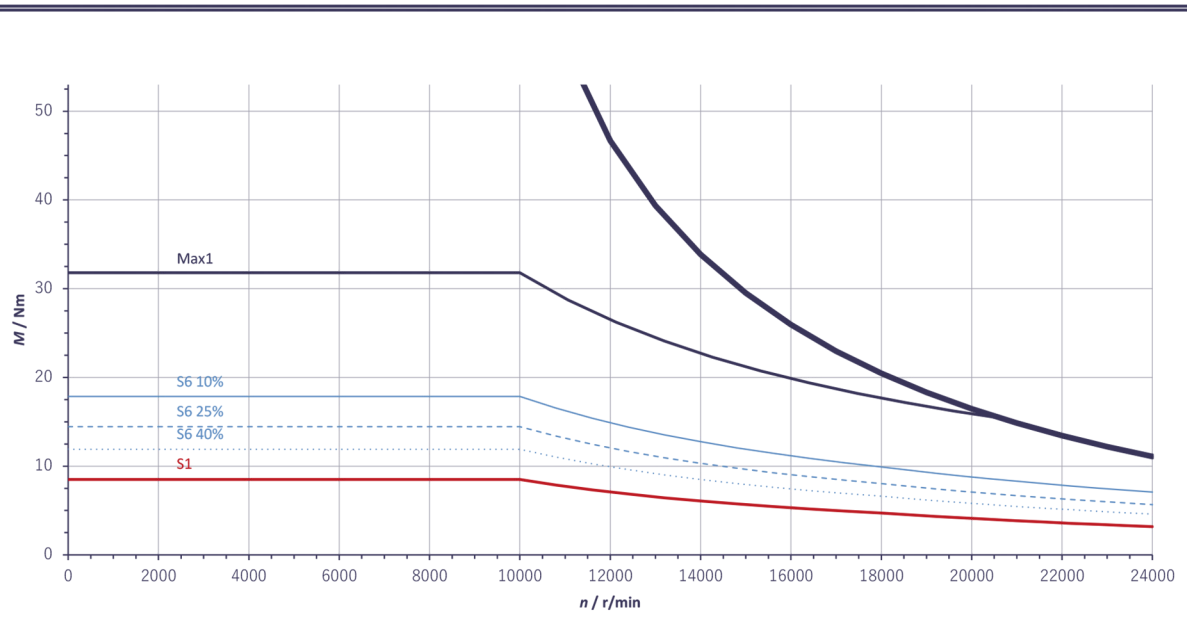




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8081-1□T2 in Star-connection

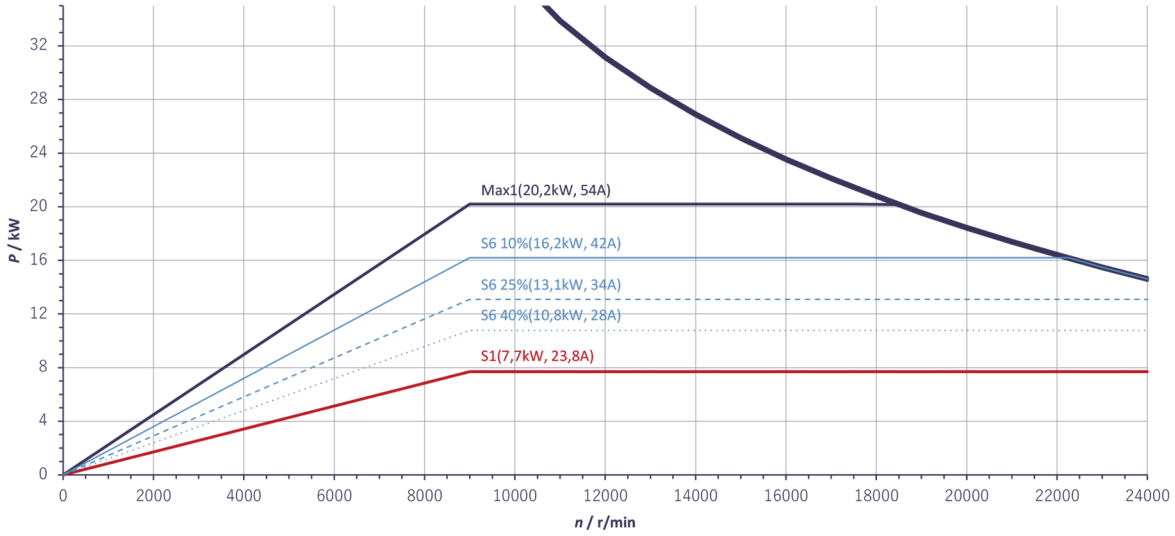
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
10000	8,9	8,5	25,6	18000	24000	77	--	--	32	--	--	4

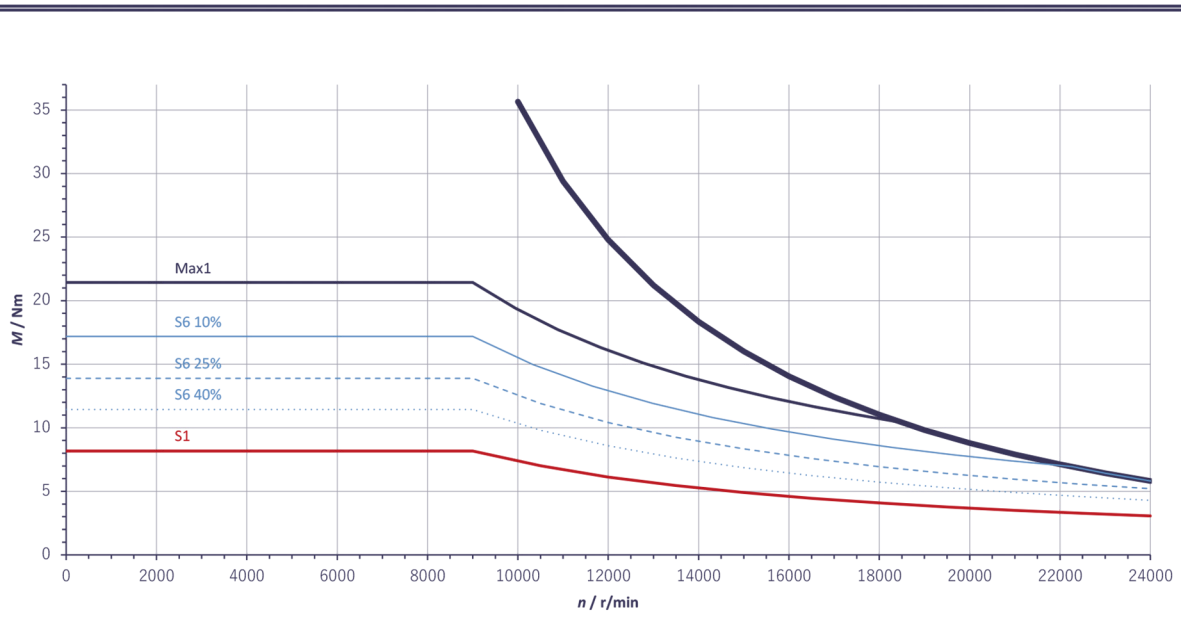




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8081-1□V2 in Star-connection

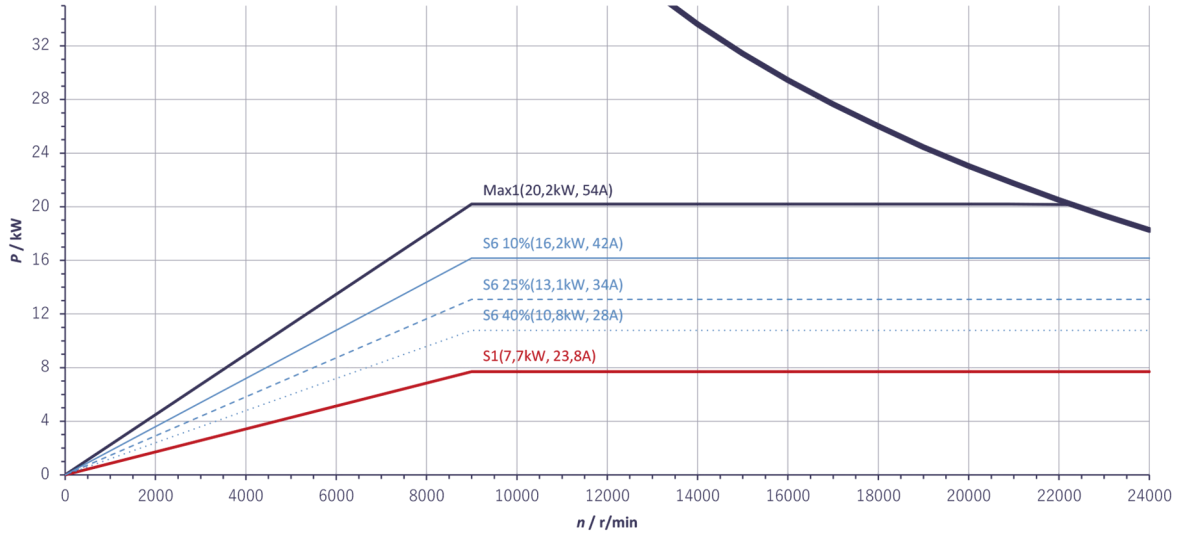
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
9000	7,7	8,2	23,8	24000	24000	54	--	--	21	--	--	8

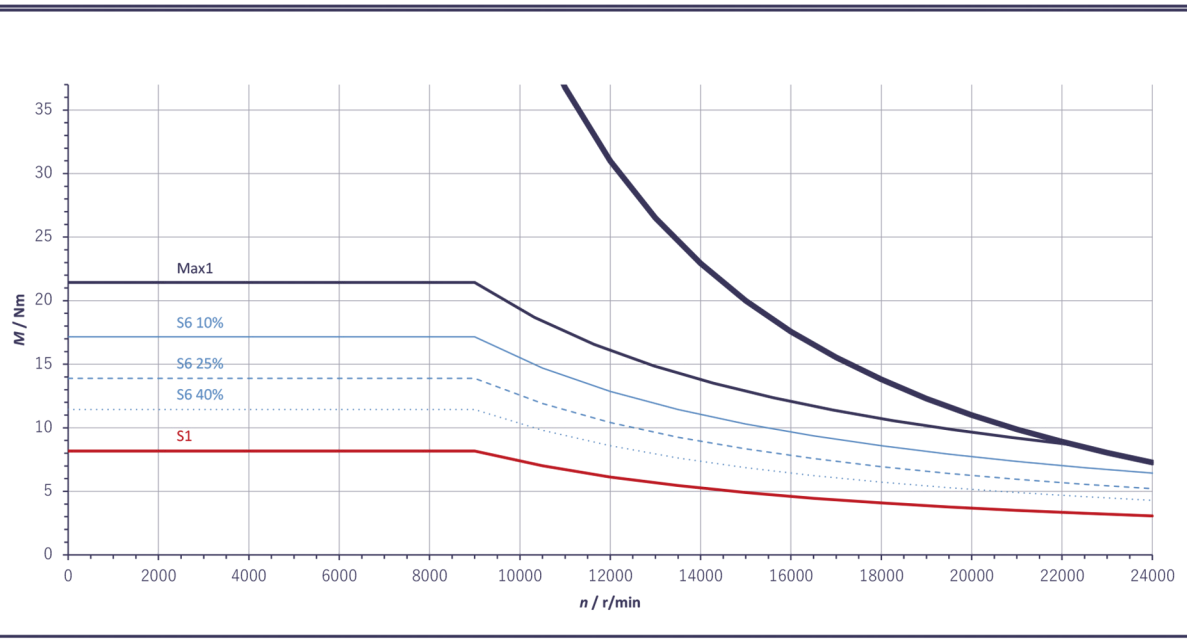




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8081-1□V2 in Star-connection

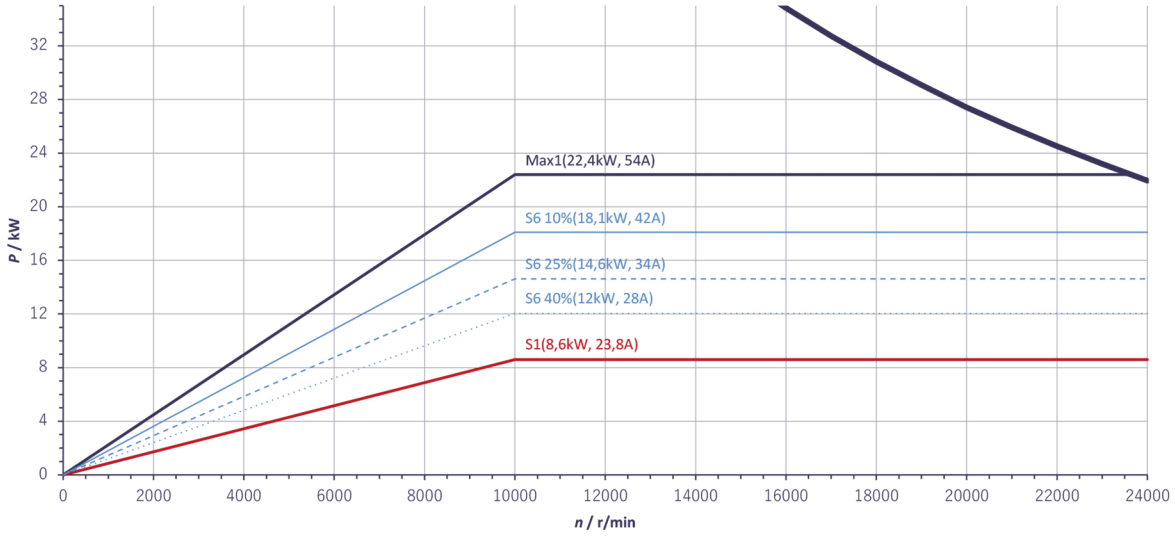
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
9000	7,7	8,2	23,8	24000	24000	54	--	--	21	--	--	8

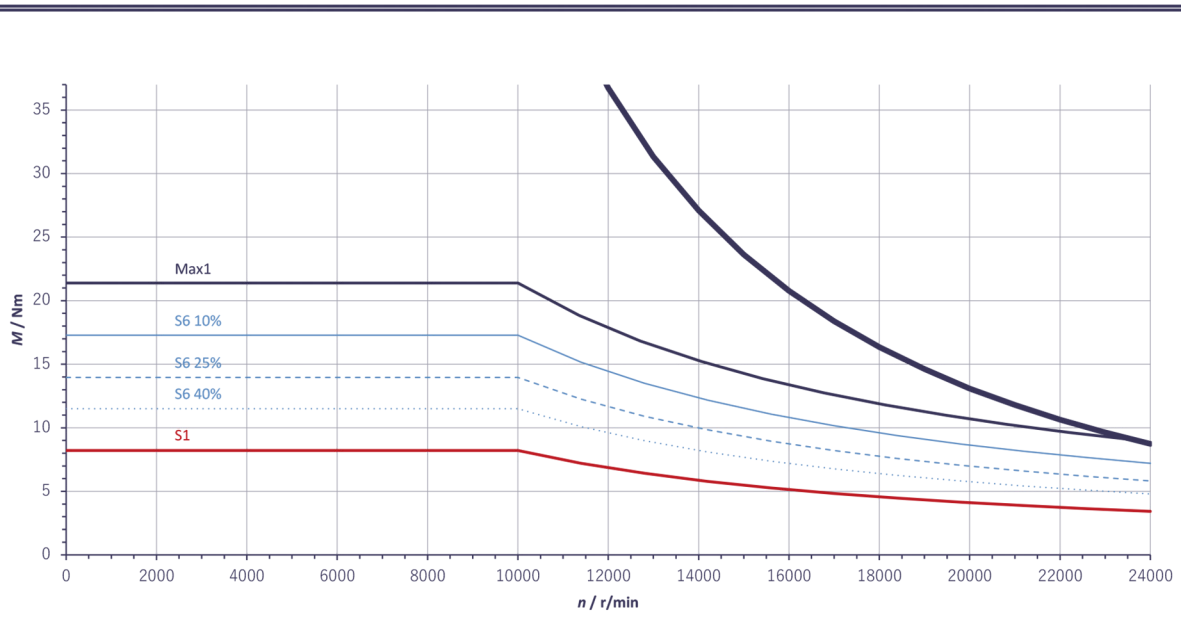




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8081-1□V2 in Star-connection

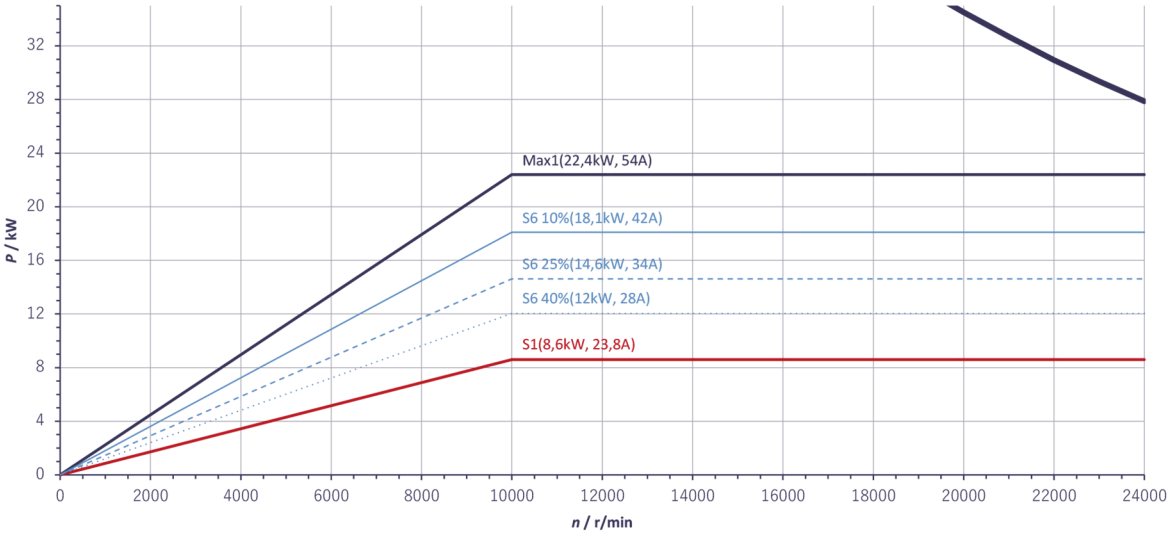
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
10000	8,6	8,2	23,8	24000	24000	54	--	--	21	--	--	8

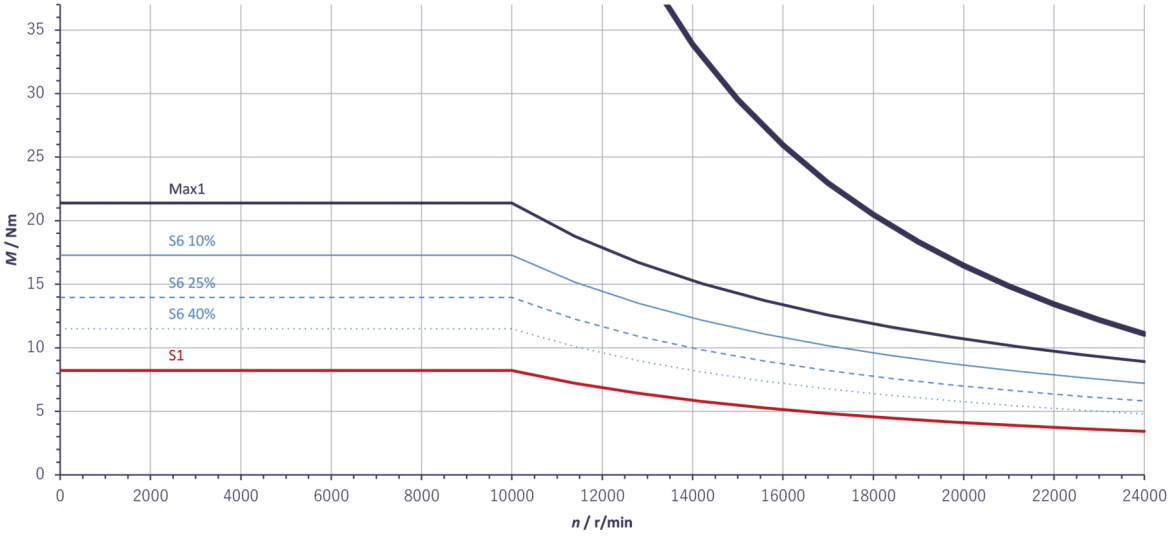




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8081-1□V2 in Star-connection

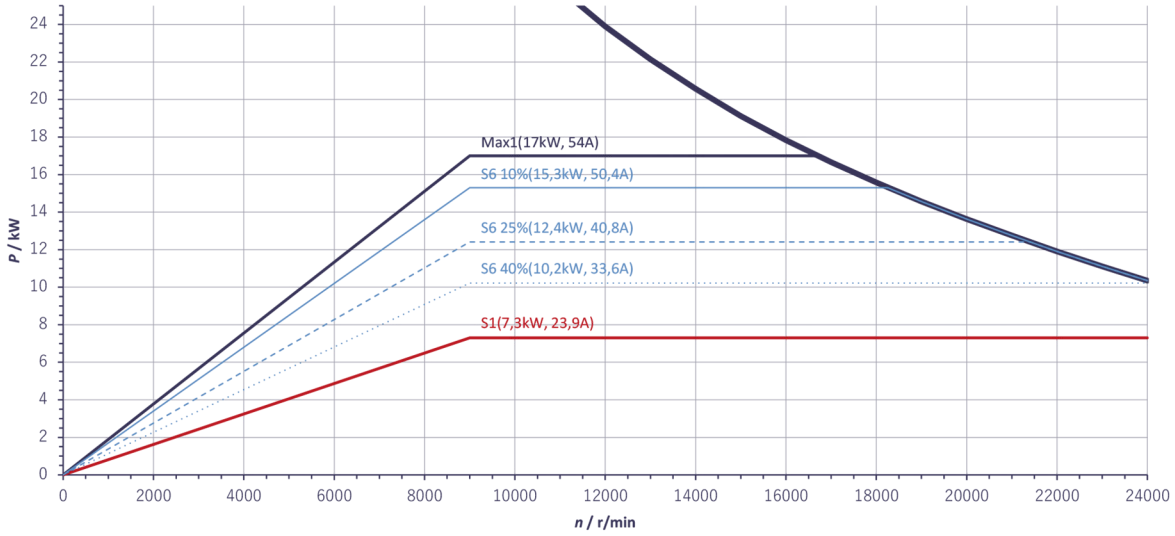
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
10000	8,6	8,2	23,8	24000	24000	54	--	--	21	--	--	8

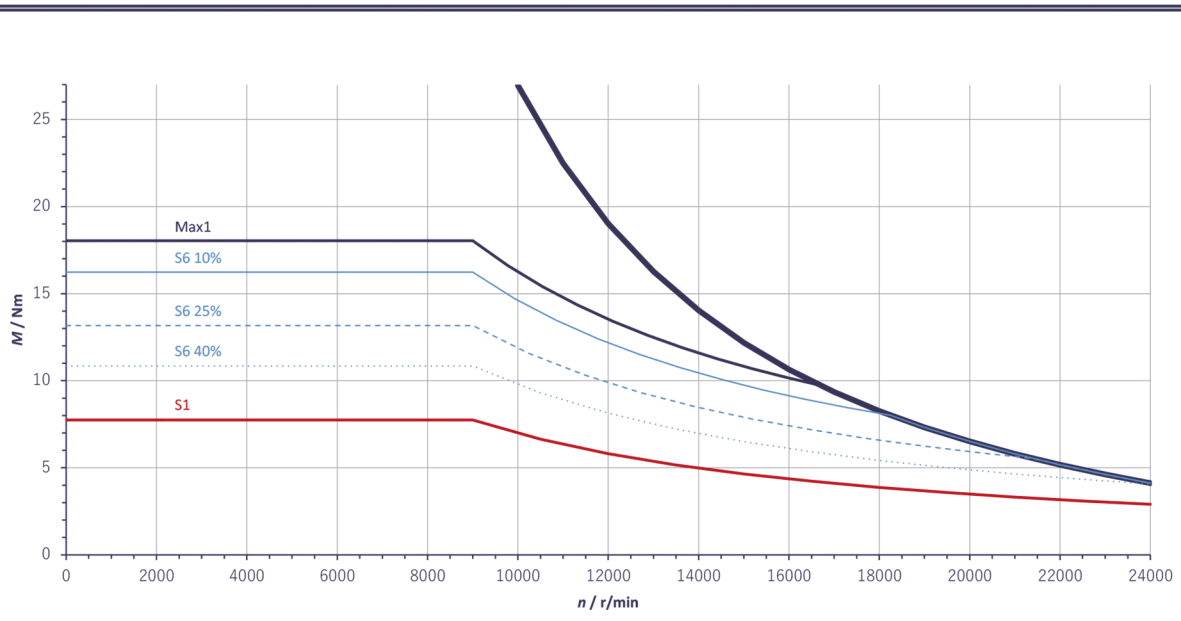




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8081-1□W2 in Star-connection

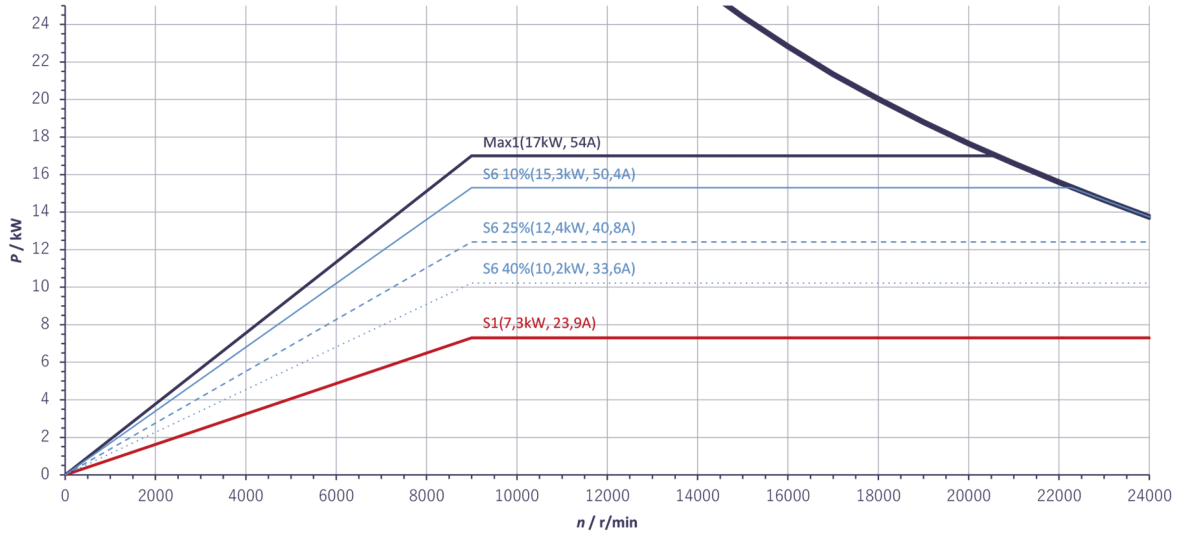
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
9000	7,3	7,7	23,9	24000	24000	54	--	--	18	--	--	8

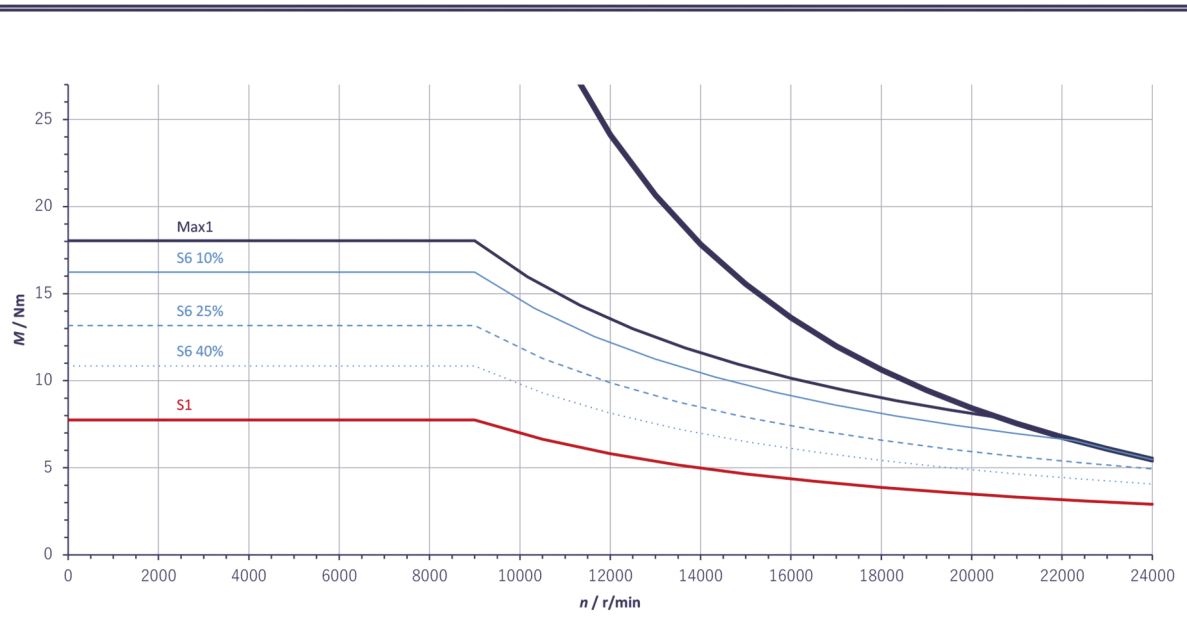




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8081-1□W2 in Star-connection

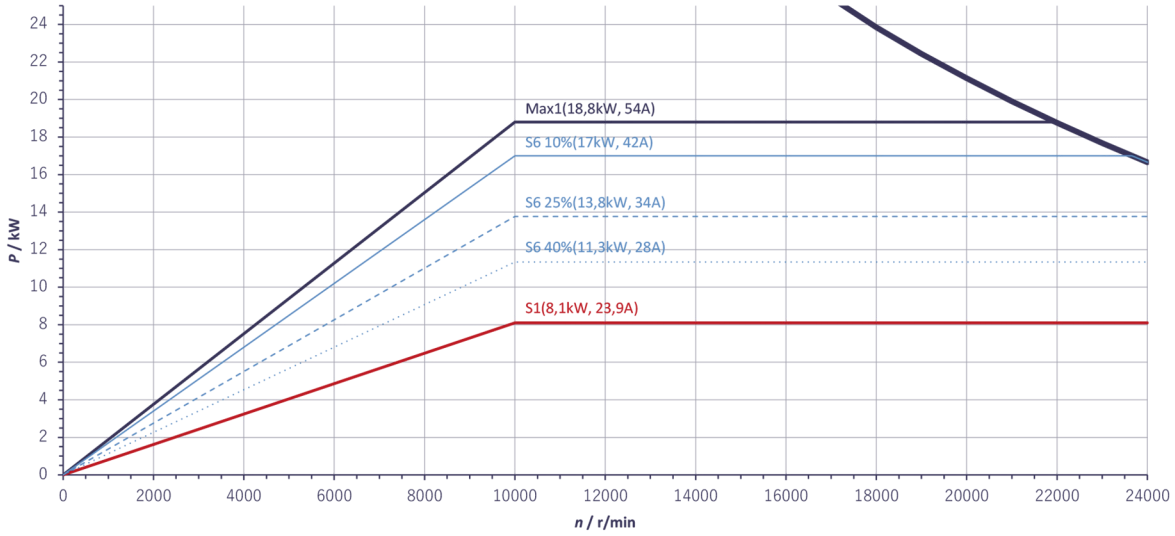
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
9000	7,3	7,7	23,9	24000	24000	54	--	--	18	--	--	8

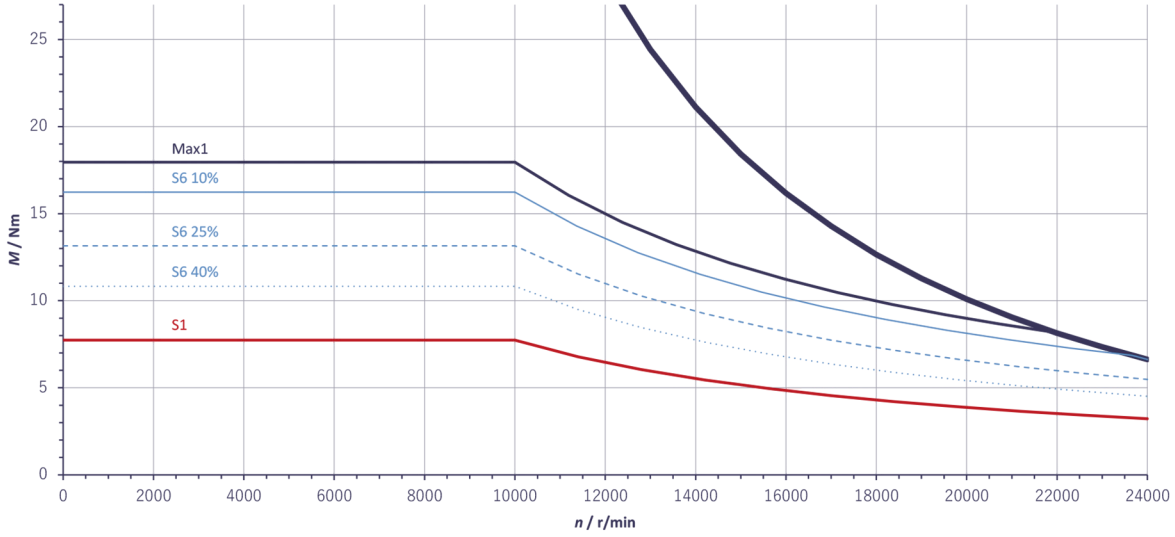




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8081-1□W2 in Star-connection

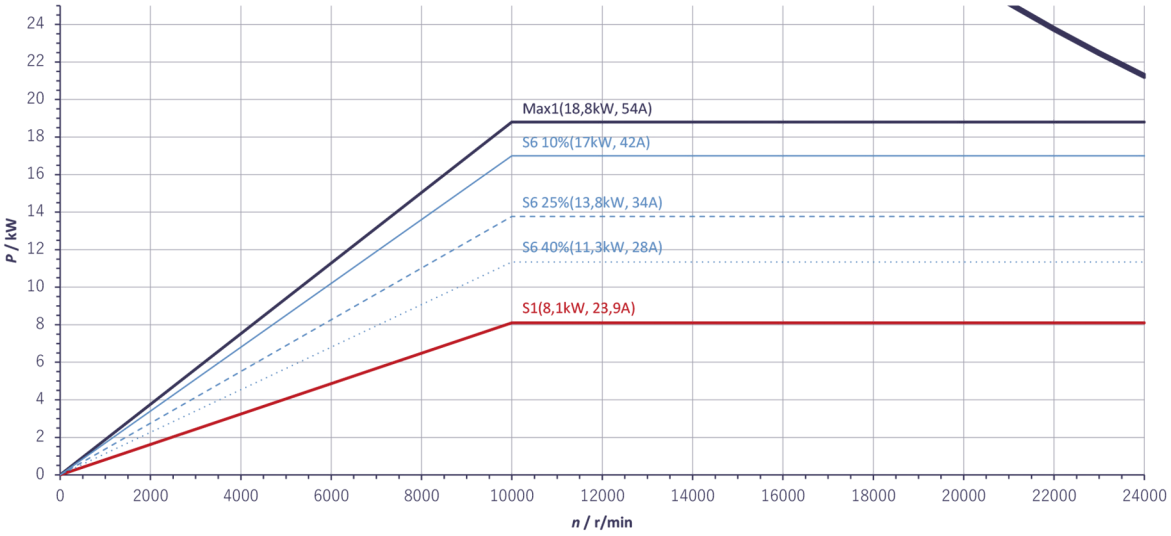
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
10000	8,1	7,7	23,9	24000	24000	54	--	--	18	--	--	8

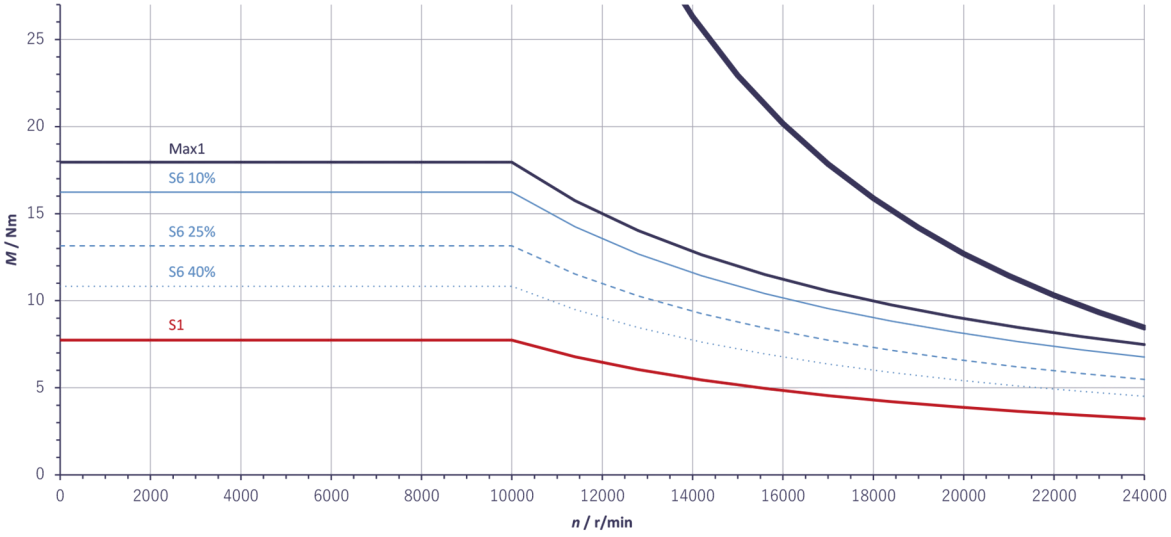




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8081-1□W2 in Star-connection

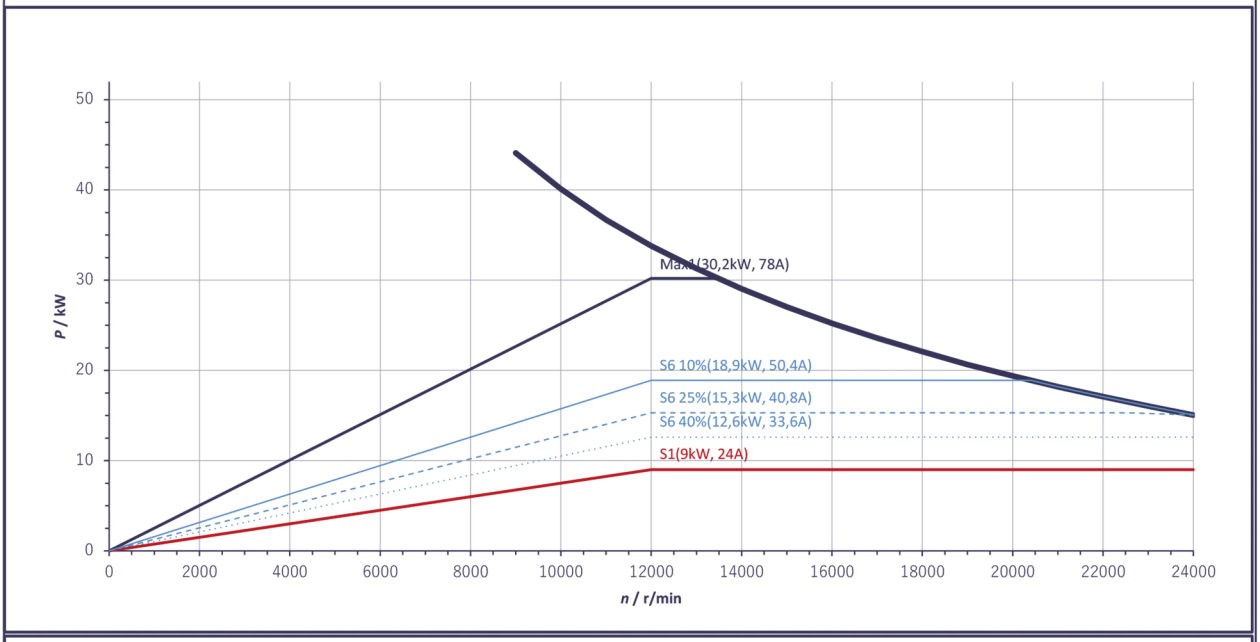
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
10000	8,1	7,7	23,9	24000	24000	54	--	--	18	--	--	8

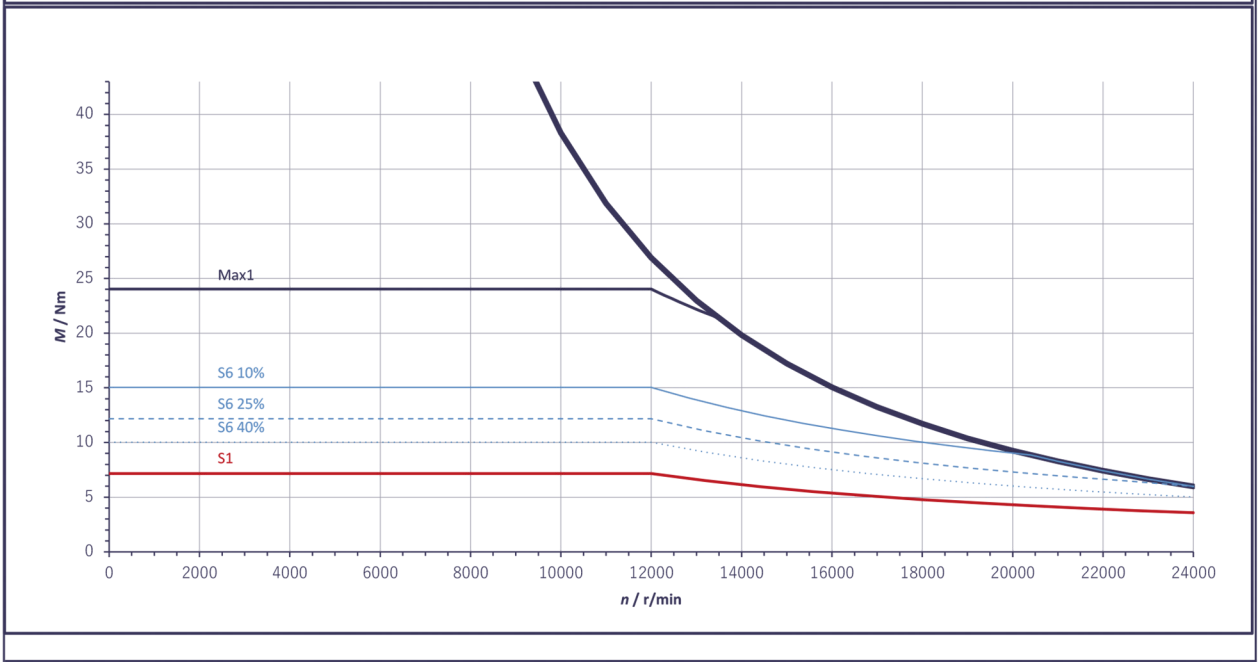




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□T2 in Star-connection

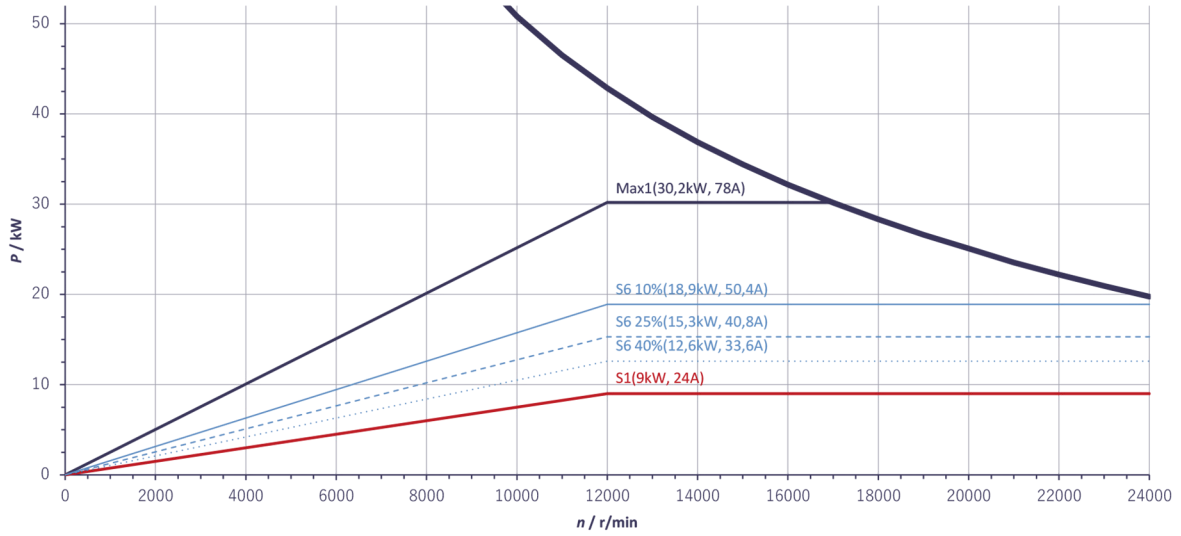
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
12000	9,0	7,2	24,0	24000	24000	78	--	--	24	--	--	4

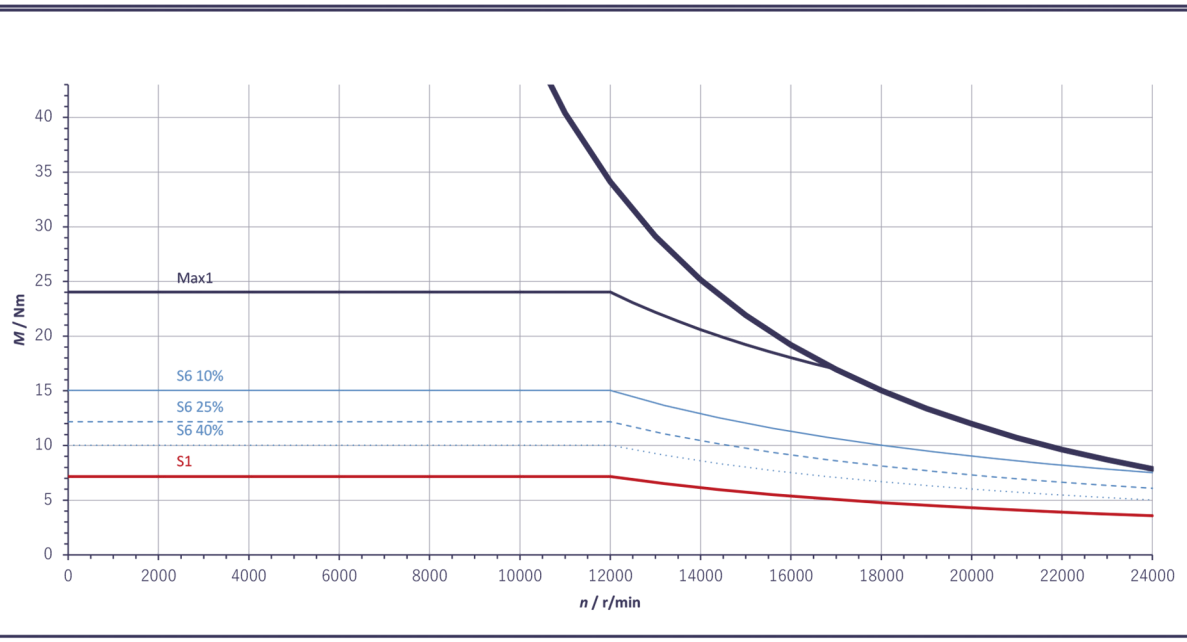




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8083-1□T2 in Star-connection

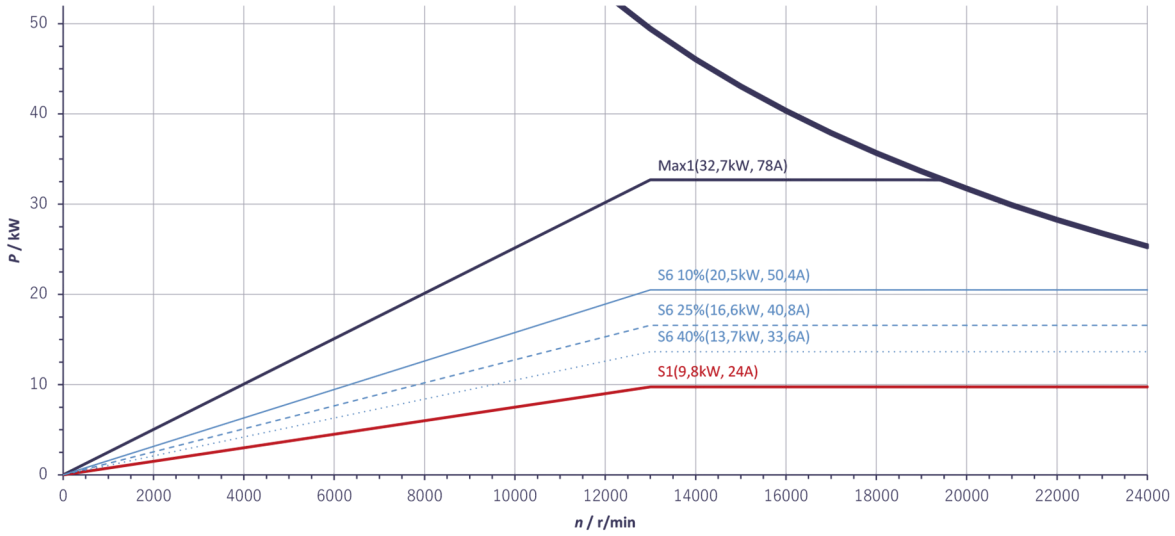
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
12000	9,0	7,2	24,0	24000	24000	78	--	--	24	--	--	4

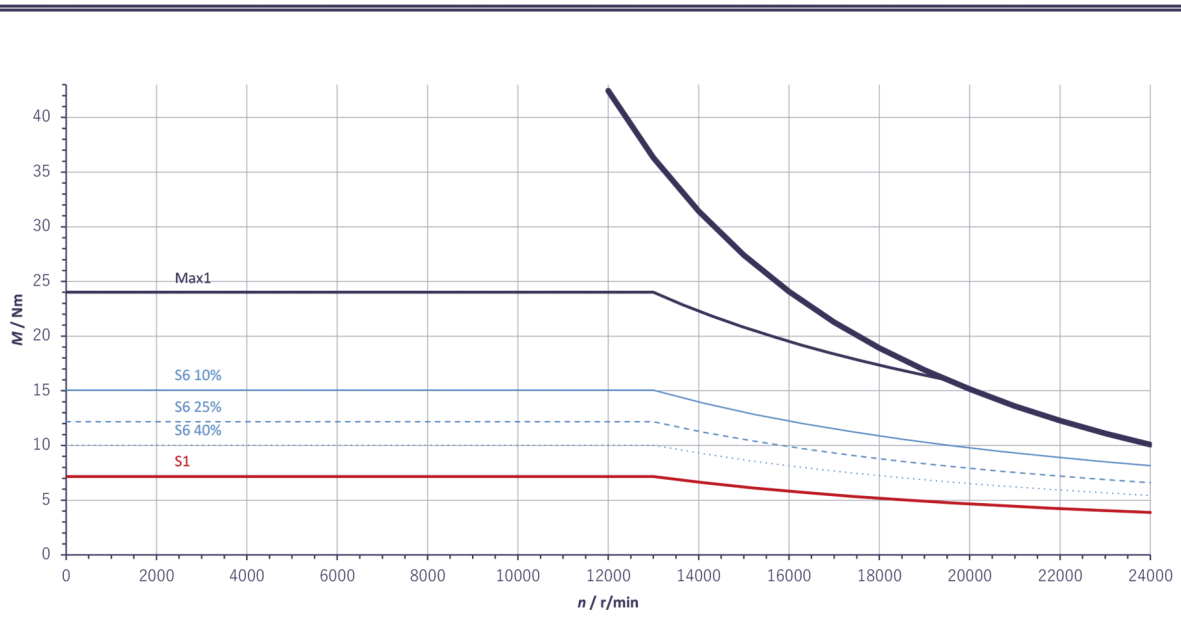




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□T2 in Star-connection

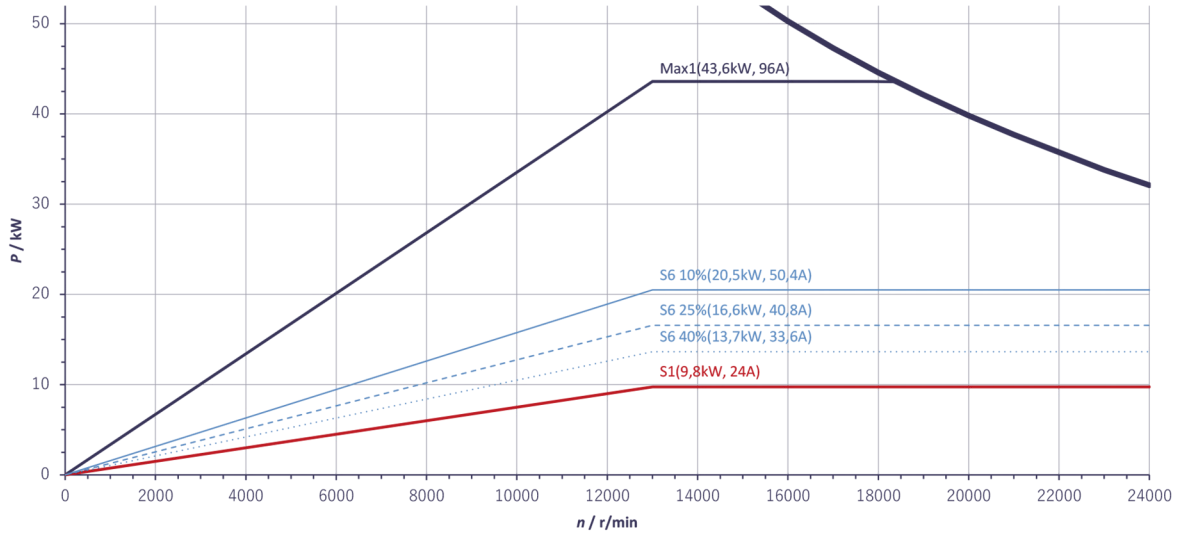
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
13000	9,8	7,2	24,0	24000	24000	78	--	--	24	--	--	4

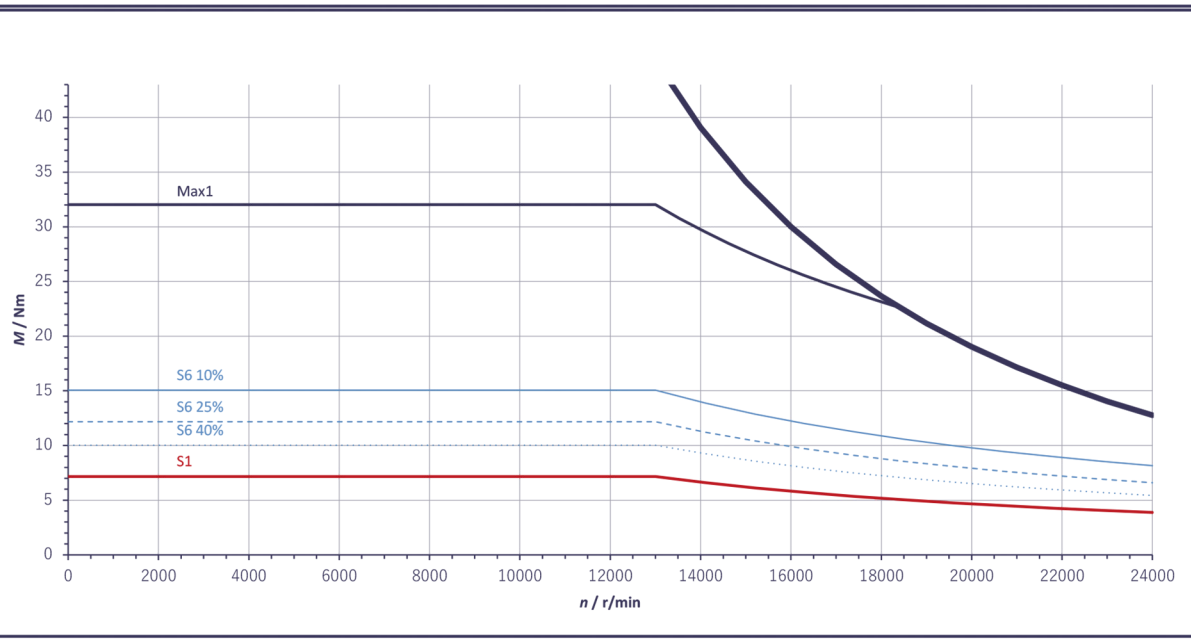




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8083-1□T2 in Star-connection

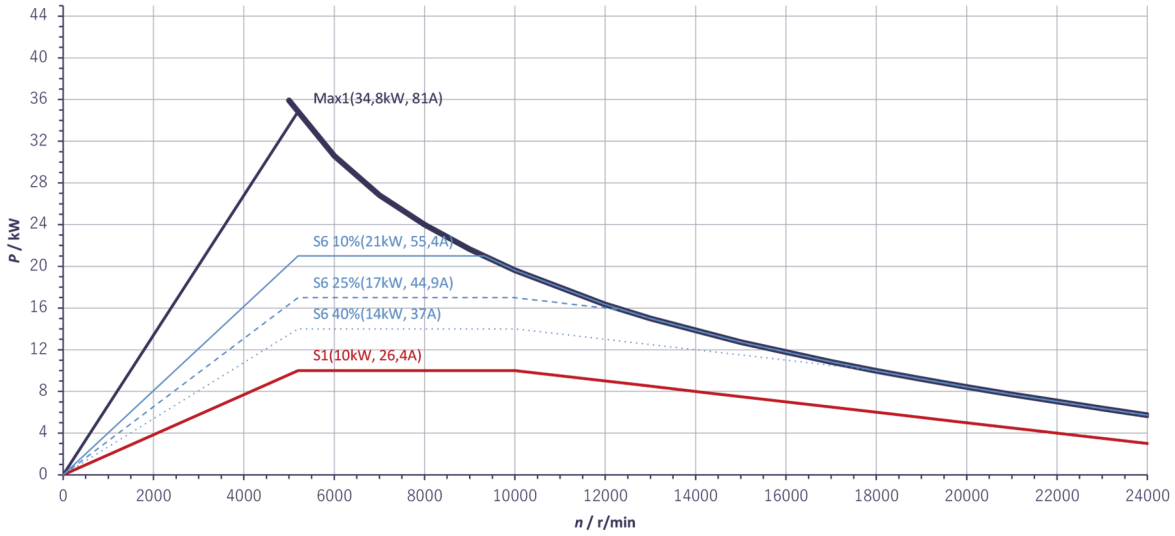
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
13000	9,8	7,2	24,0	24000	24000	78	--	--	24	--	--	4

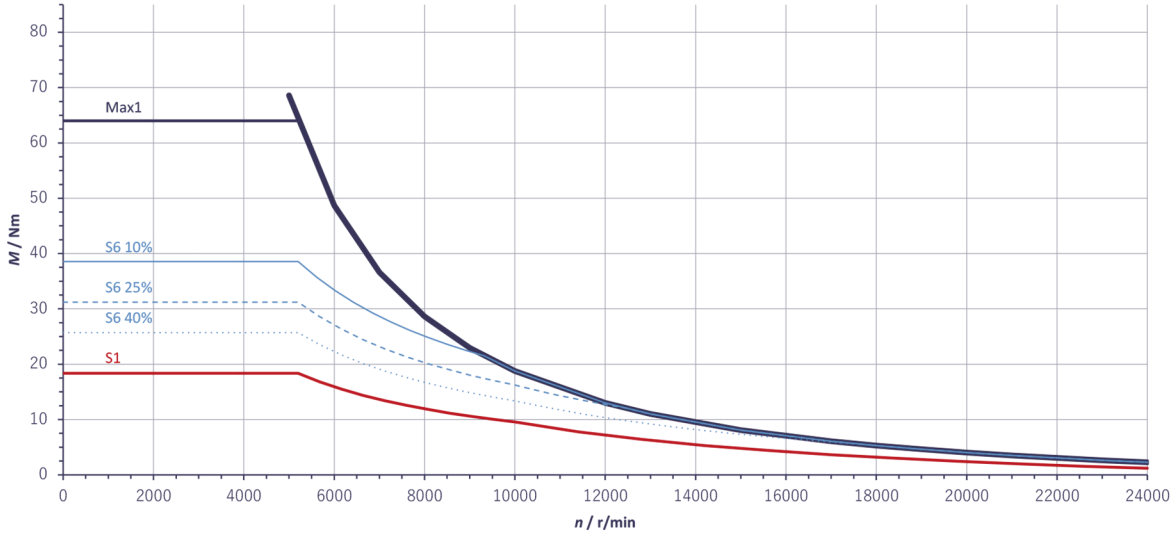




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□U2 in Star-connection

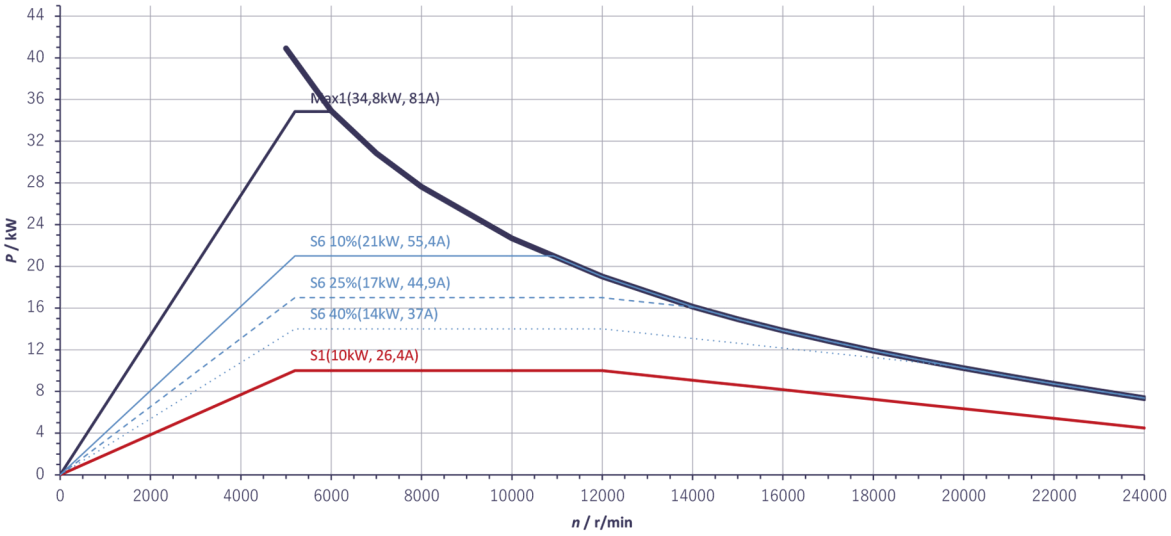
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
5200	10,0	18,4	26,4	12000	24000	81	--	--	64	--	--	4

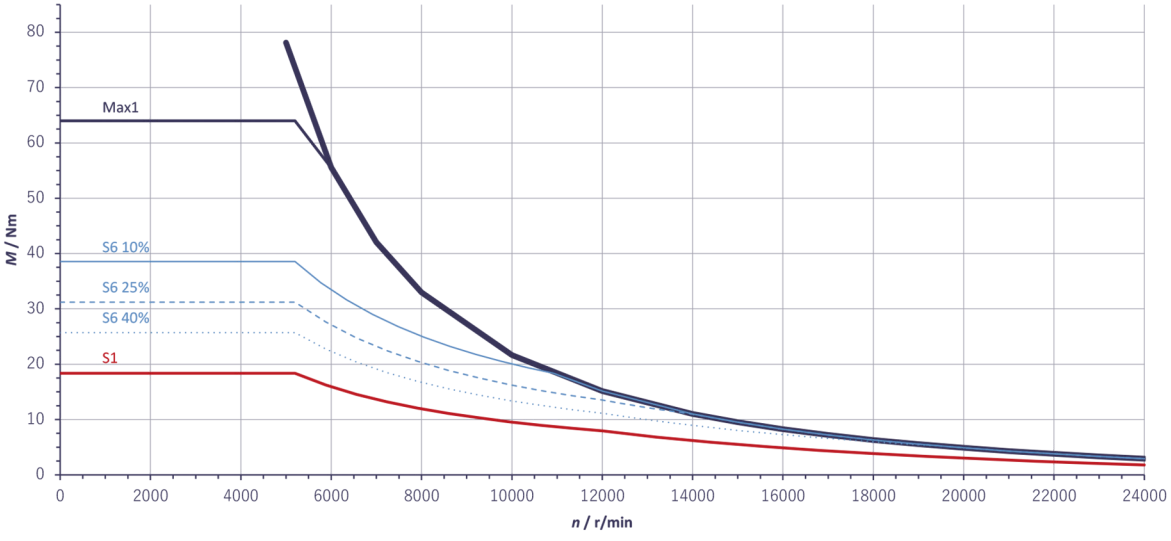




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8083-1□U2 in Star-connection

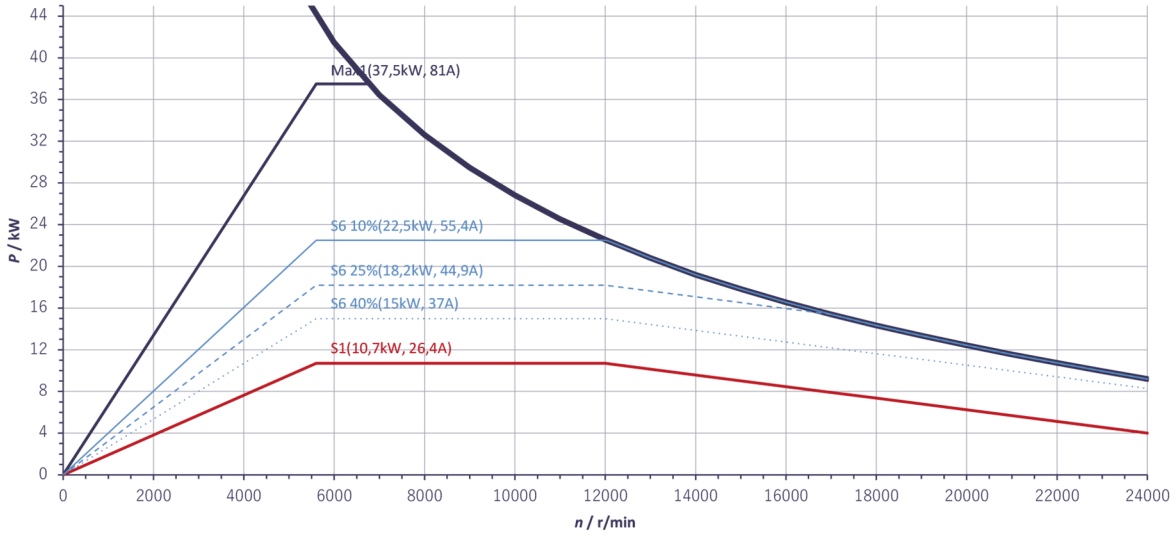
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
5200	10,0	18,4	26,4	10000	24000	81	--	--	64	--	--	4

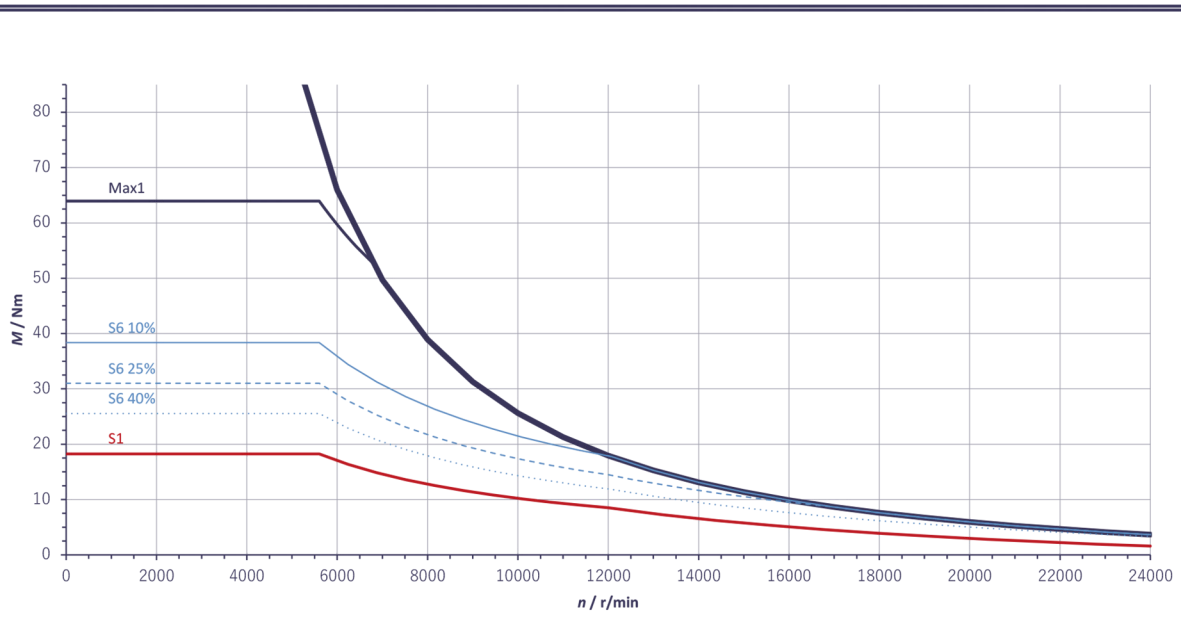




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8083-1□U2 in Star-connection

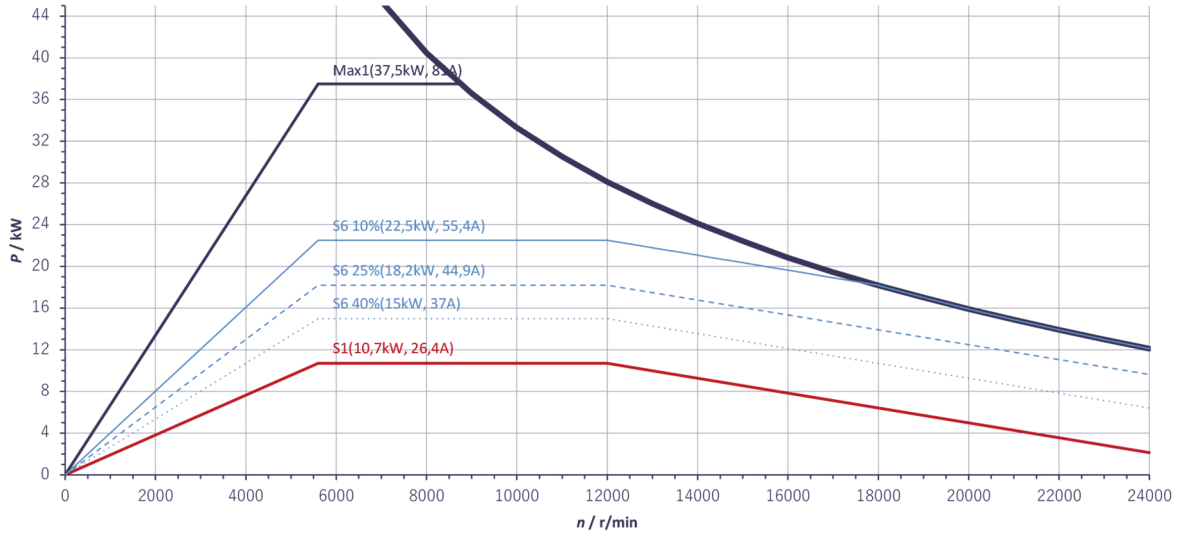
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
5600	10,7	18,2	26,4	12000	24000	81	--	--	64	--	--	4

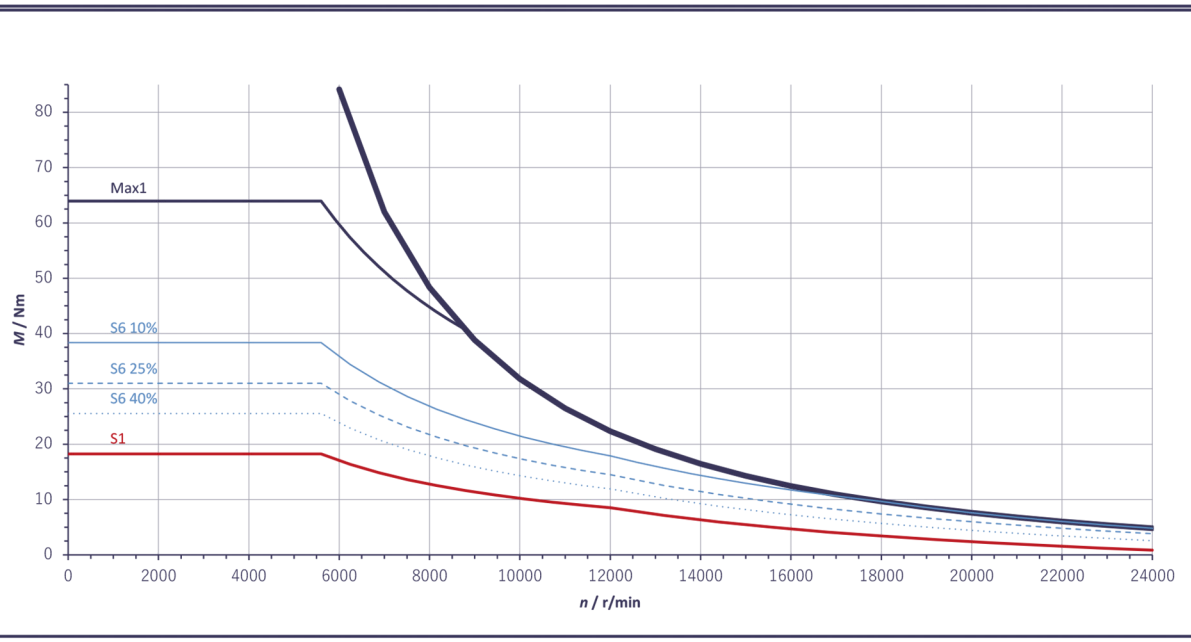




SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8083-1□U2 in Star-connection

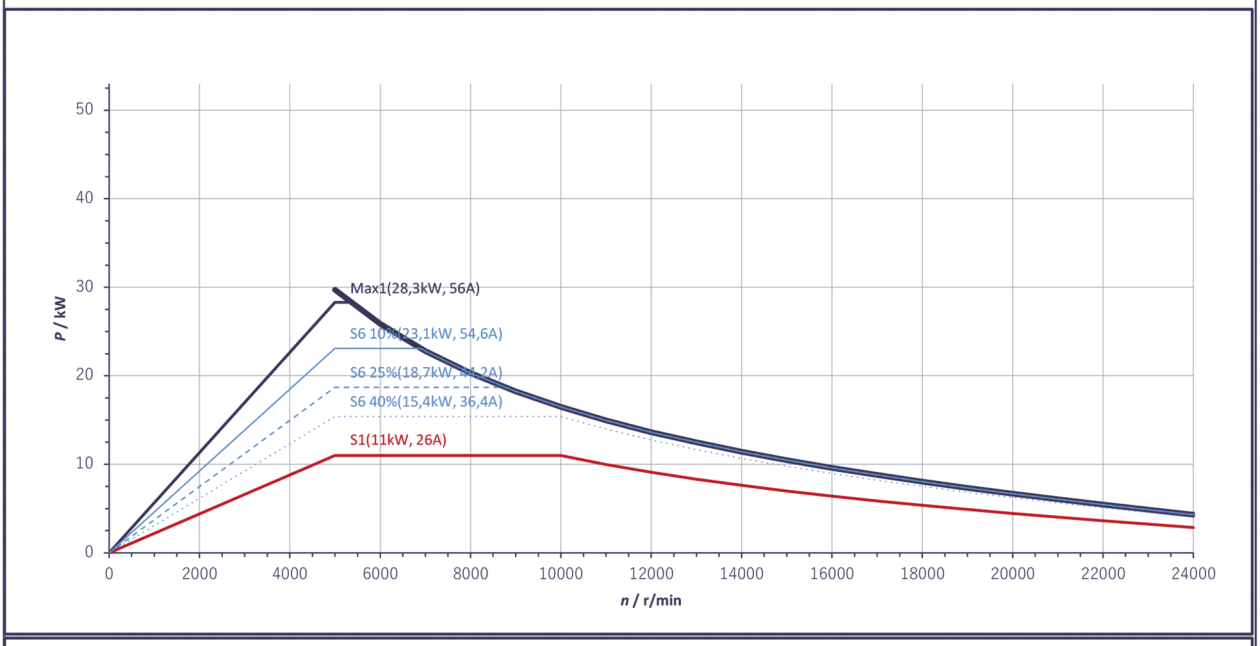
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
5600	10,7	18,2	26,4	12000	24000	81	--	--	64	--	--	4

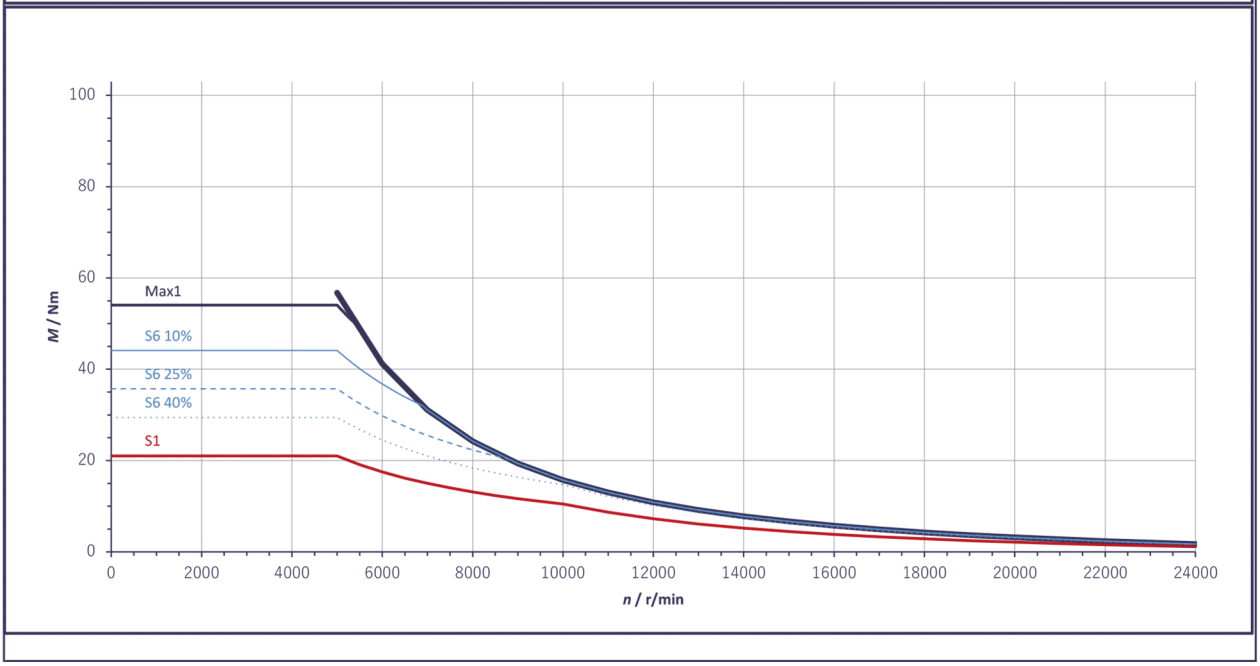




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□U2 in Star-connection

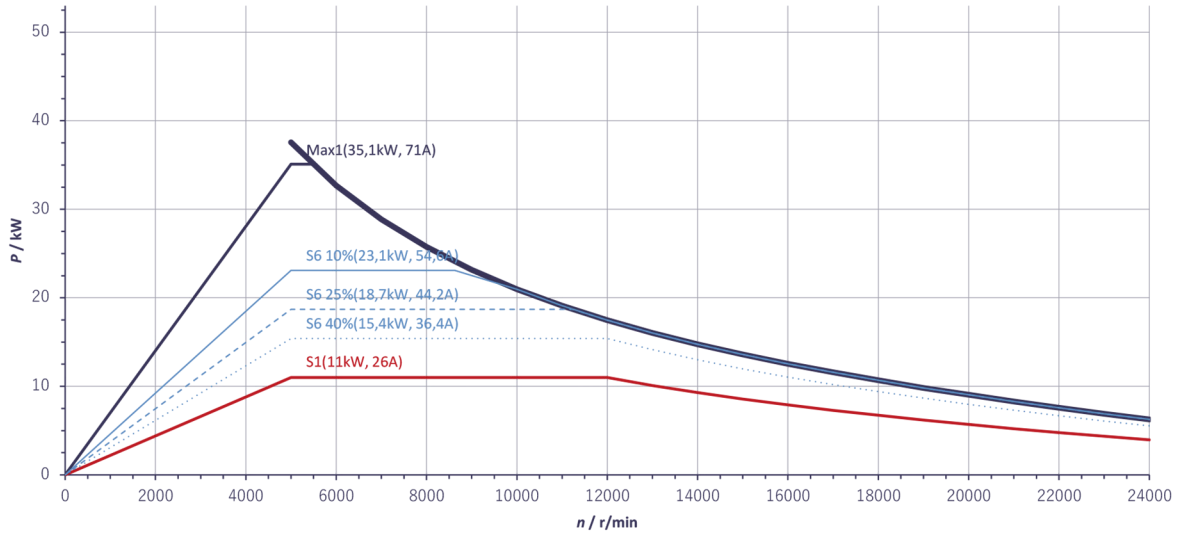
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
5000	11,0	21,0	26,0	12000	24000	71	--	--	67	--	--	4

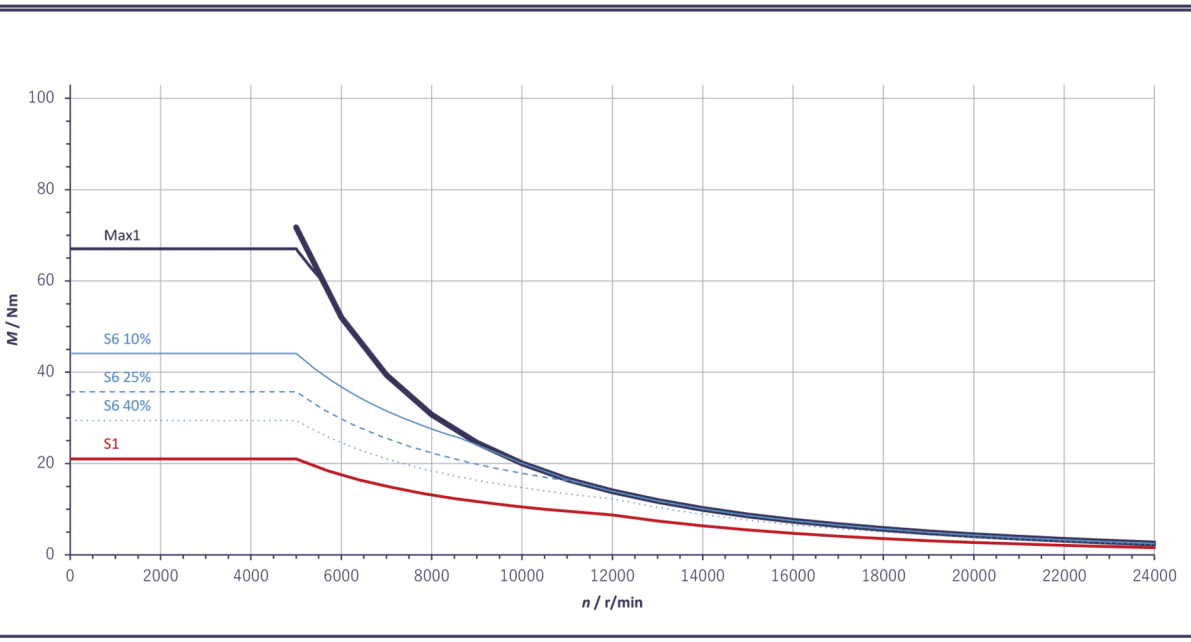




SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8087-1□U2 in Star-connection

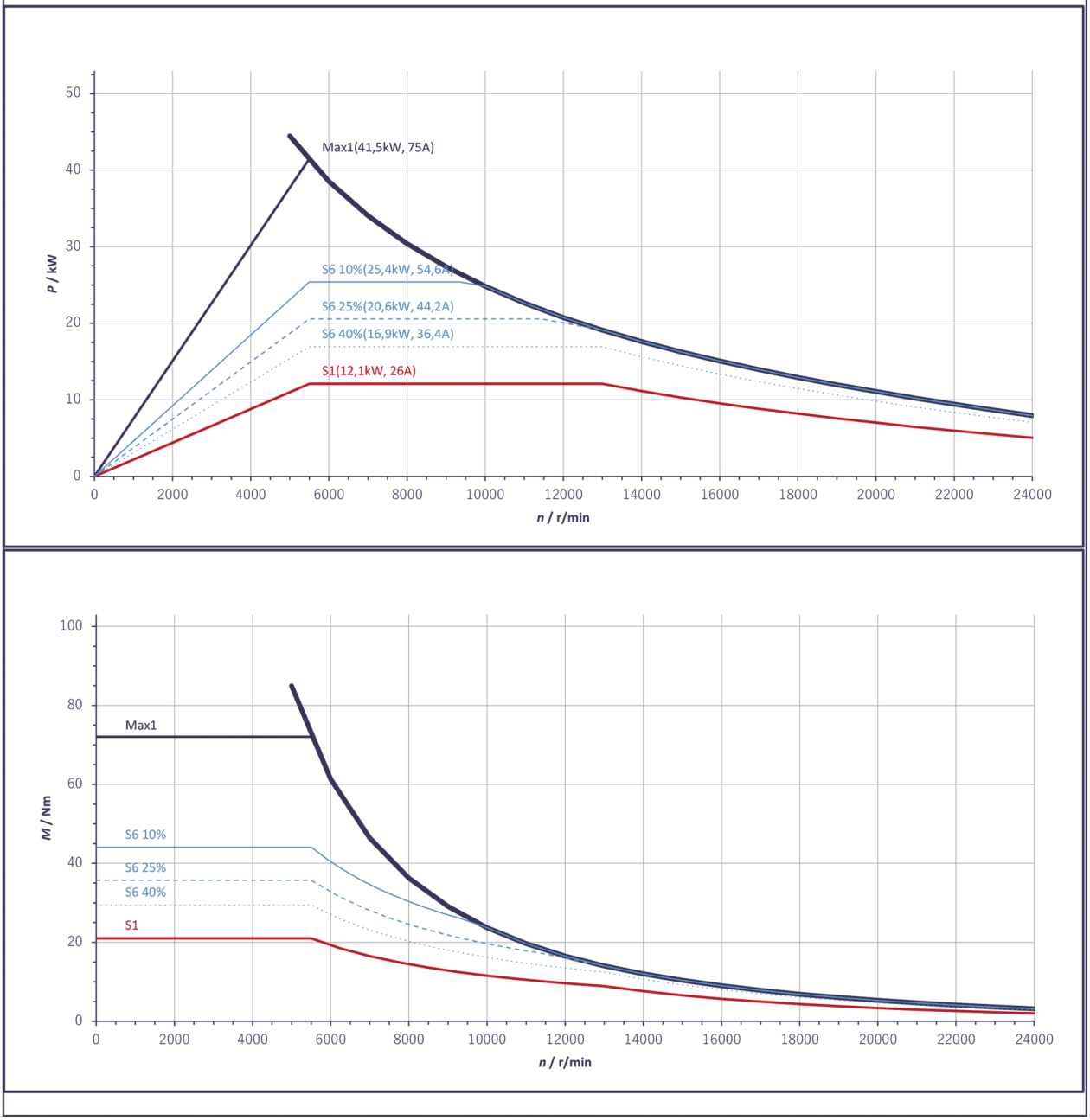
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
5000	11,0	21,0	26,0	10000	24000	71	--	--	67	--	--	4





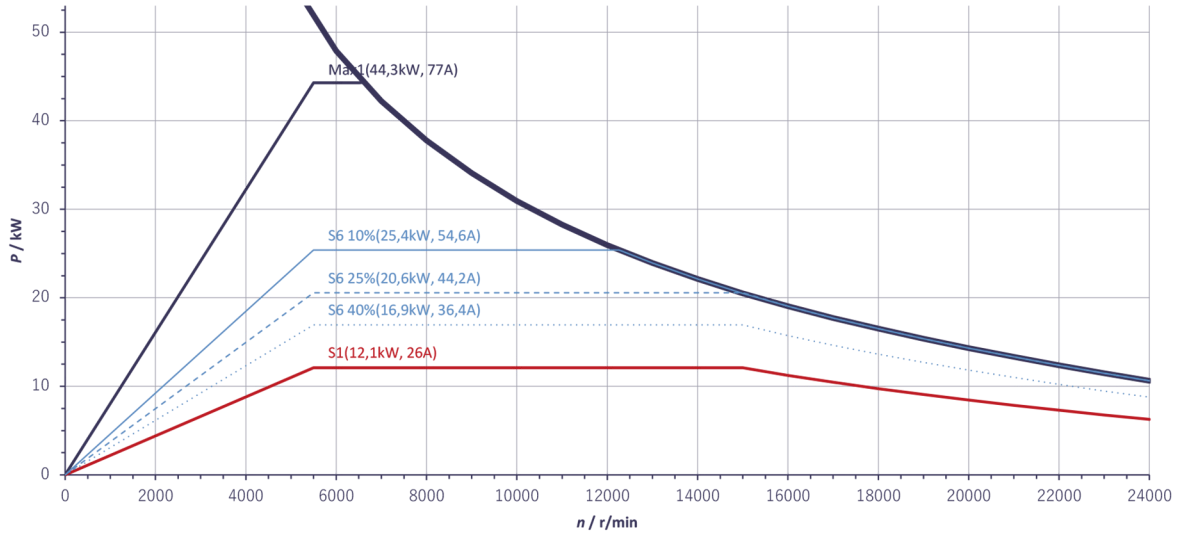
SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8087-1□U2 in Star-connection

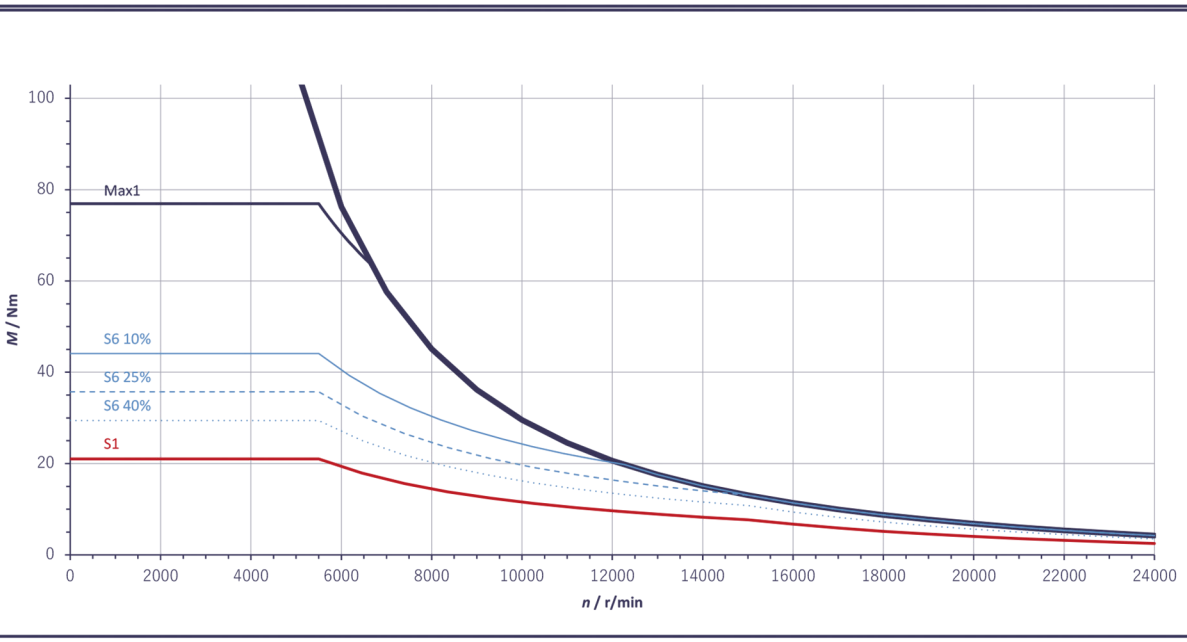
n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
5500	12,1	21,0	26,0	13000	24000	71	--	--	67	--	--	4



SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8087-1□U2 in Star-connection

n_n	P_N	M_N	I_N	n_2	n_{max}	I_{max1}	I_{max2}	I_{max3}	M_{max1}	M_{max2}	M_{max3}	f_{Takt}
rpm	kW	Nm	A	r/min	r/min	A	A	A	Nm	Nm	Nm	kHz
5500	12,1	21,0	26,0	15000	24000	71	--	--	67	--	--	4

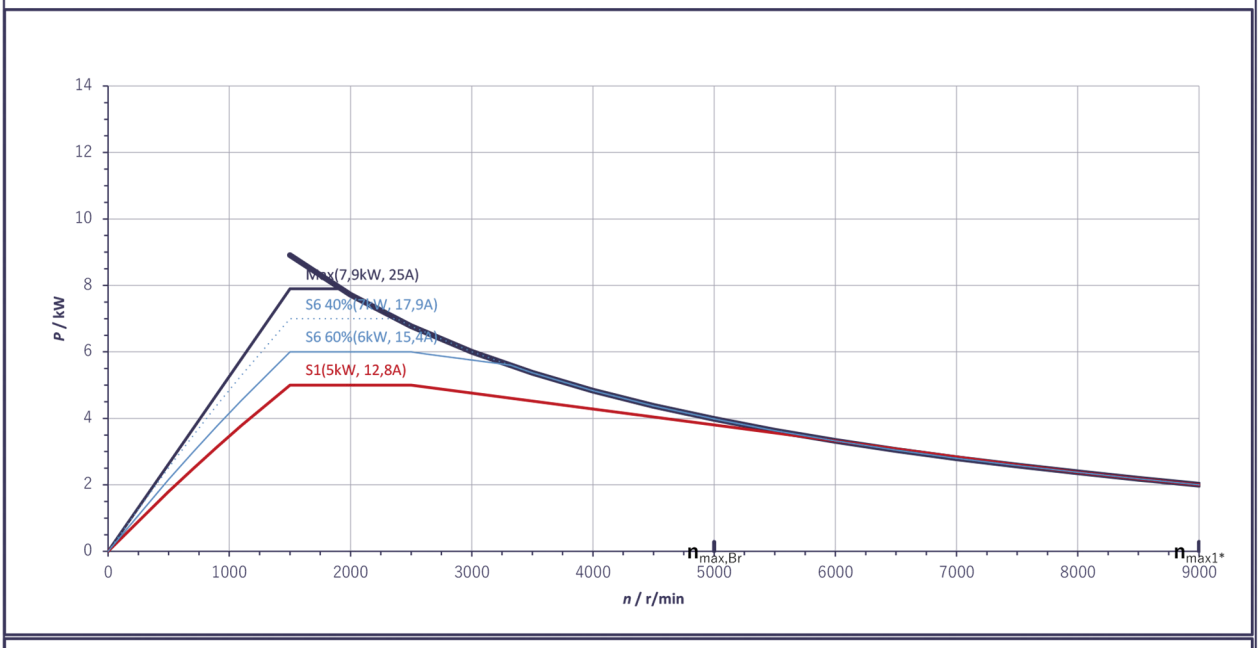


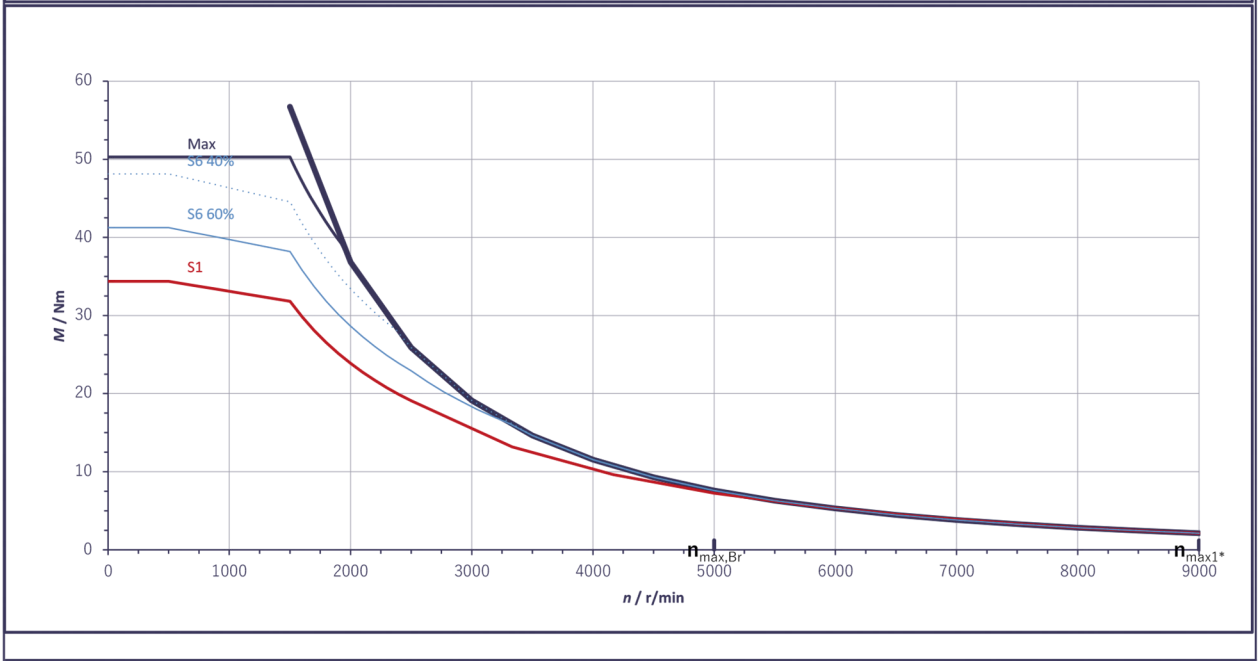


2.3.3 Shaft height 100 - water-cooled

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8101-1□F2, 1PH8101-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	5,0	32,0	12,8	9000	--	--	5000	2500	50,0	25	34	12,8

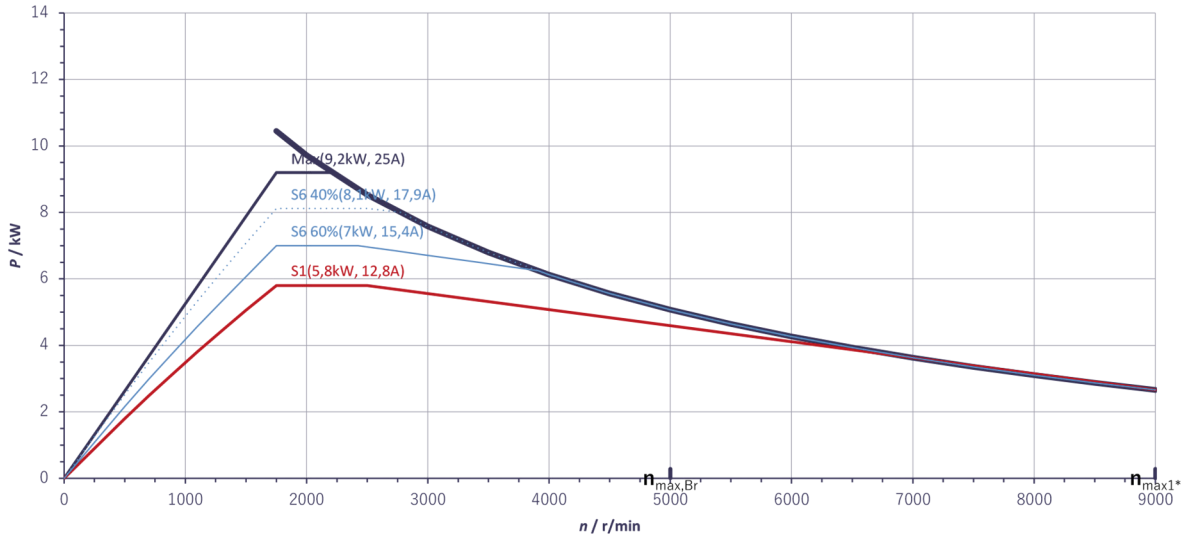


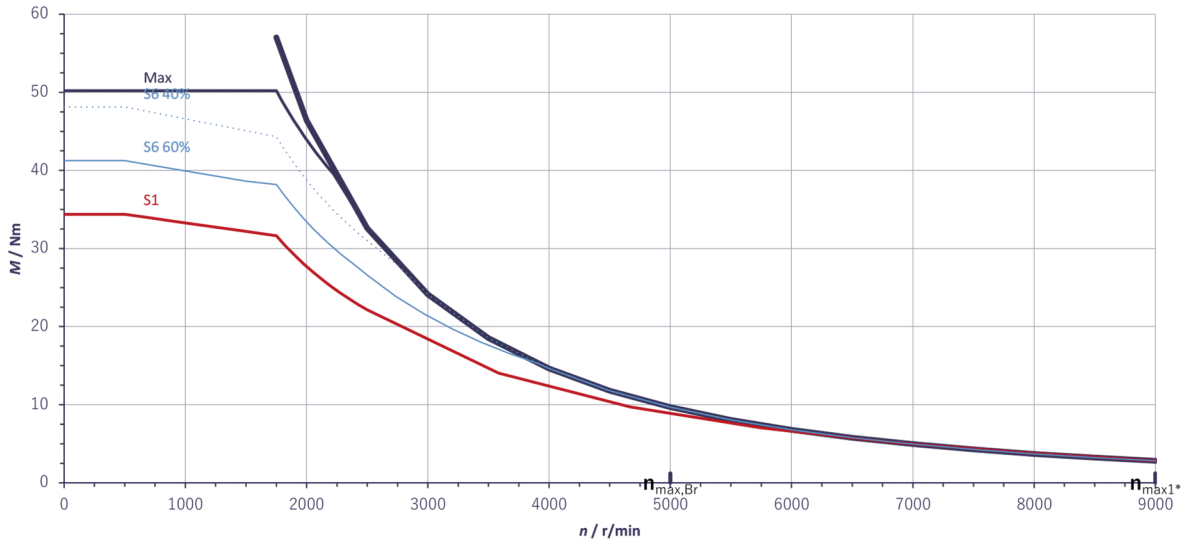


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8101-1□F2, 1PH8101-3□F2 in Star-connection

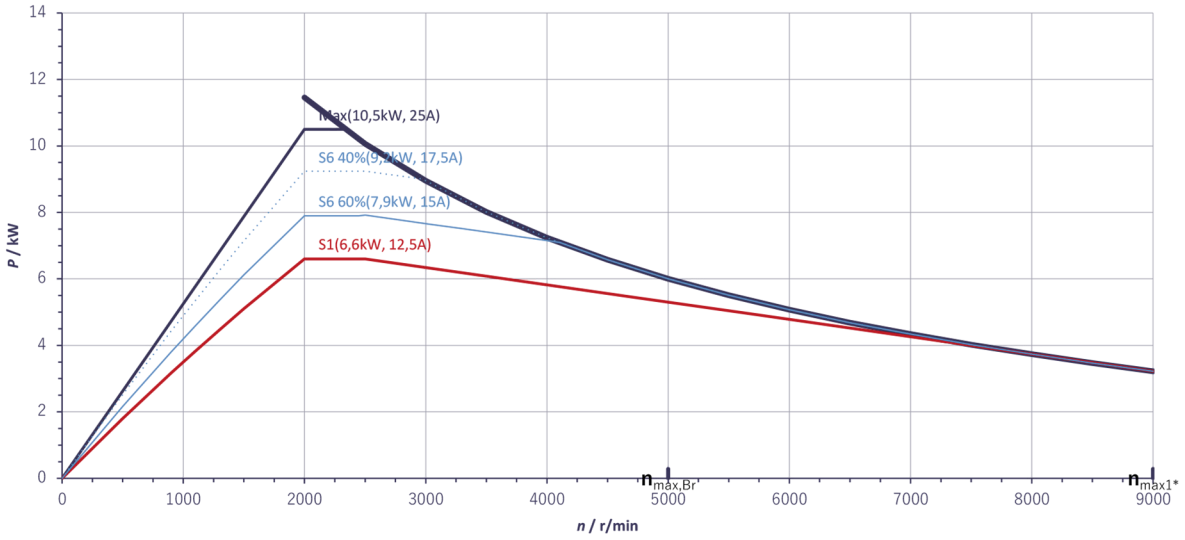
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	5,8	32,0	12,8	9000	--	--	5000	2500	50,0	25	34	12,8
1500	5,0	32	12,8					4200				

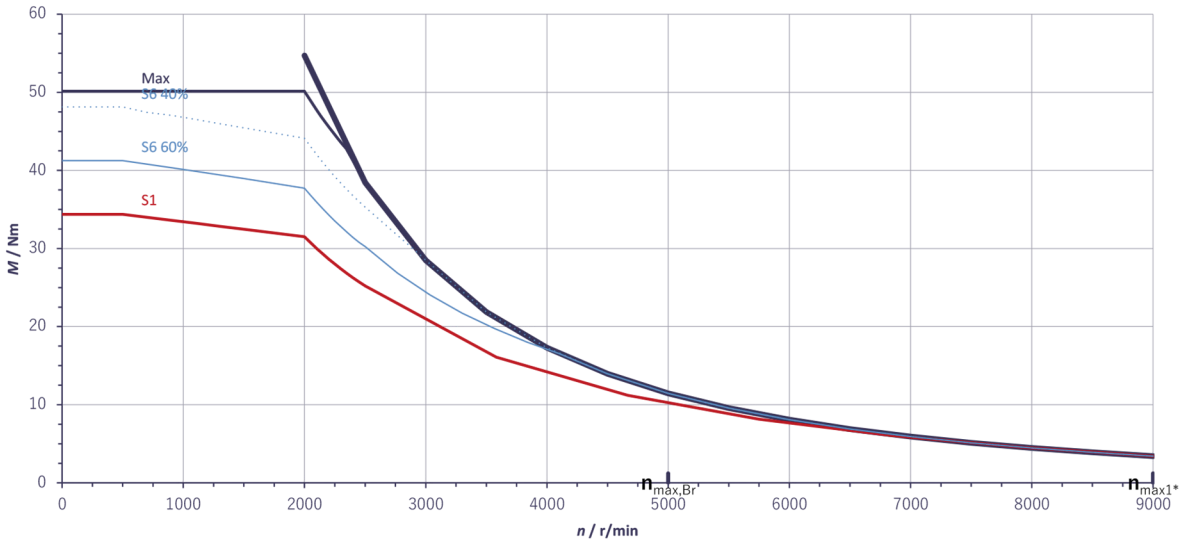




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8101-1□F2, 1PH8101-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	6,6	32,0	12,5	9000	--	--	5000	2500	50,0	25	34	12,8

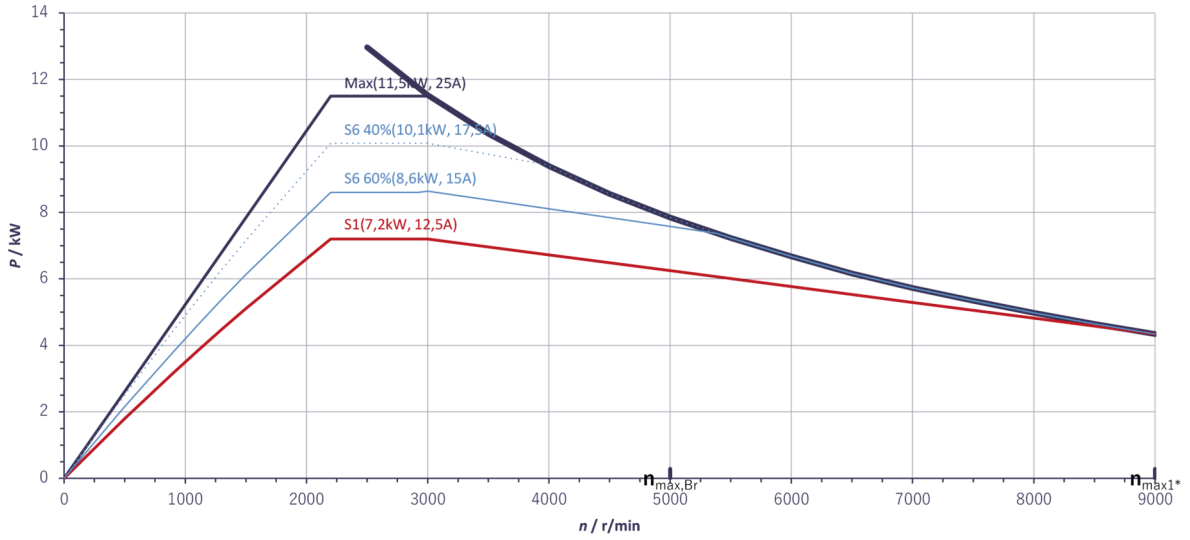


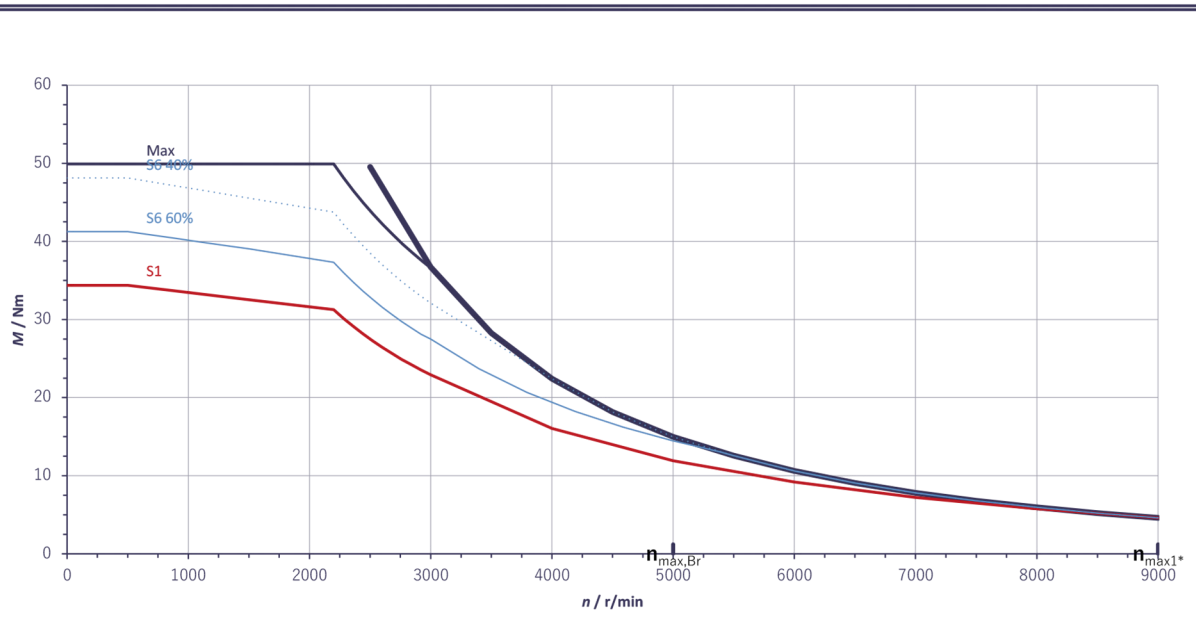


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8101-1□F2, 1PH8101-3□F2 in Star-connection

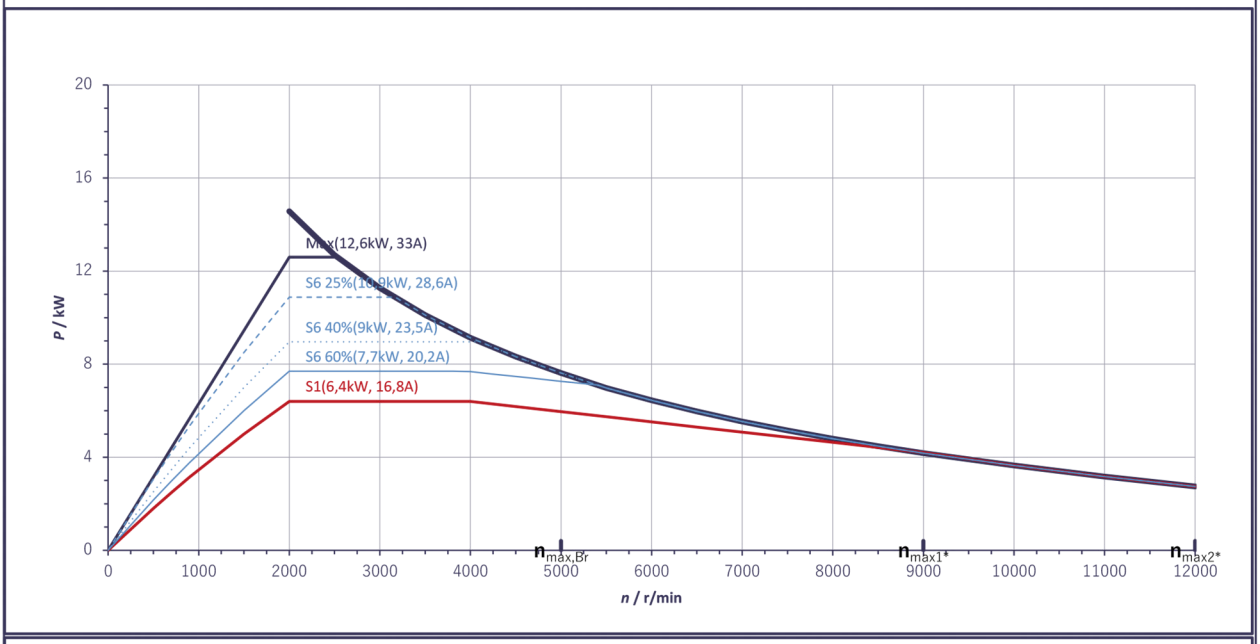
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	7,2	31,0	12,5	9000	--	--	5000	3000	50,0	25	34	12,8

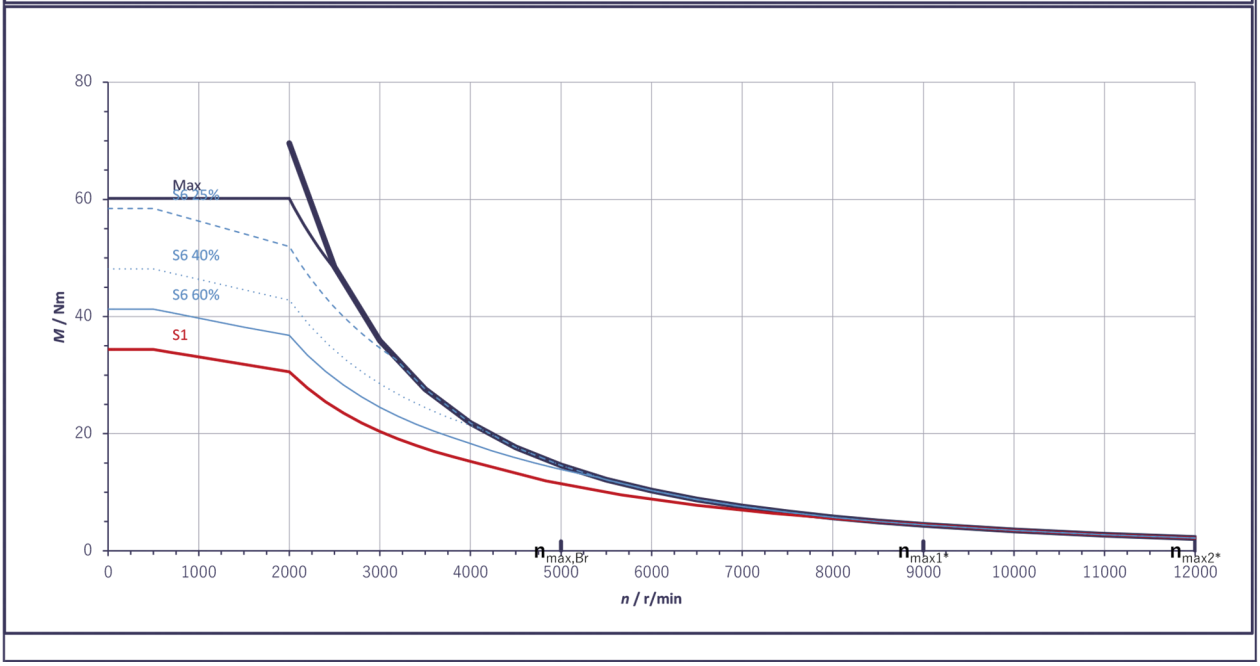




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8101-1□G2, 1PH8101-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	6,4	31,0	16,8	9000	12000	--	5000	4000	60,0	33	34	18,0

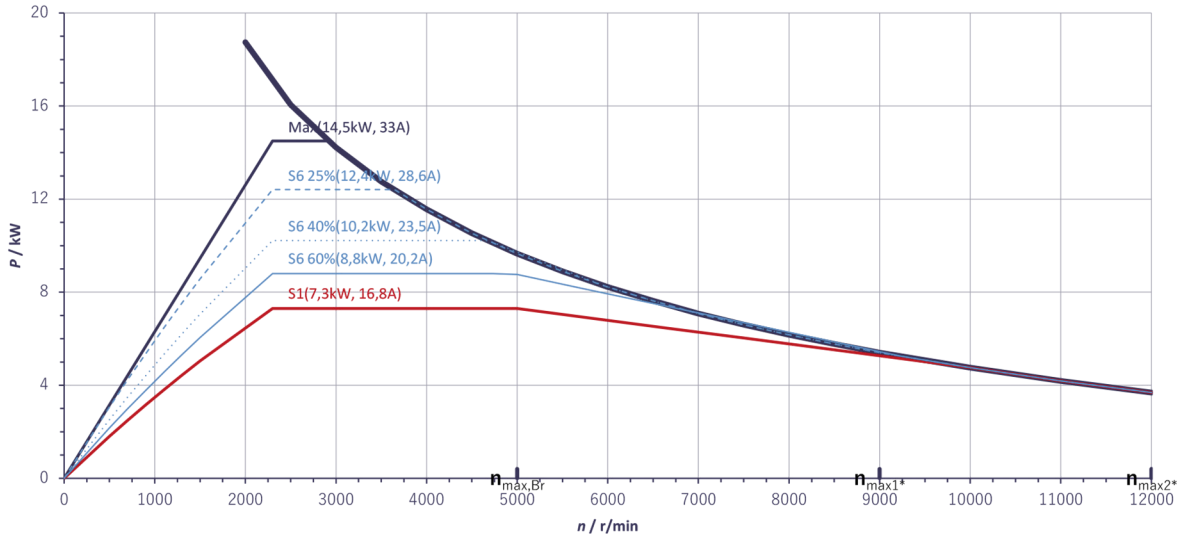


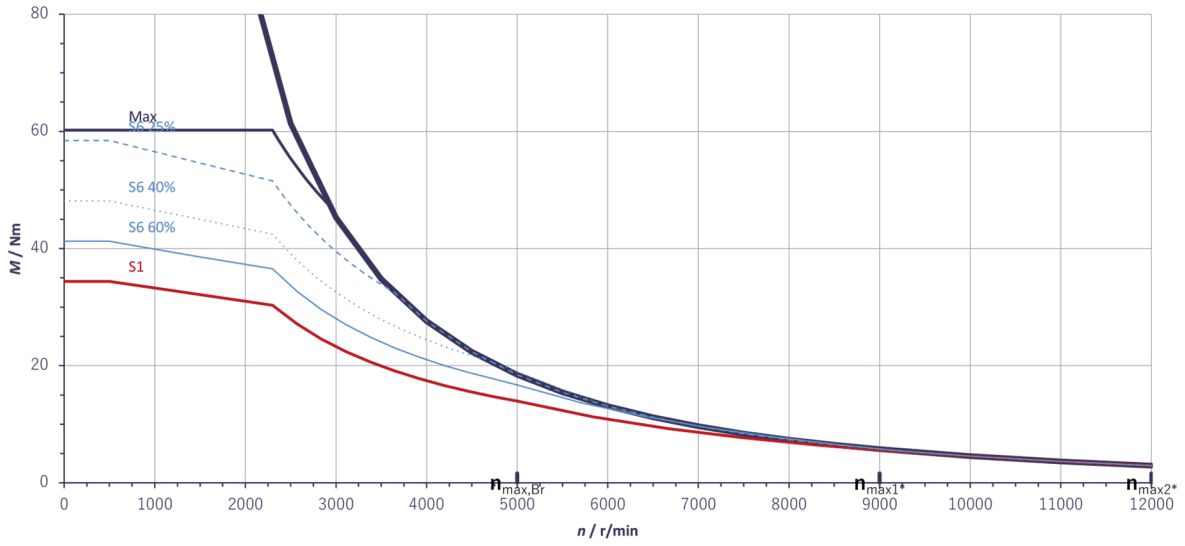


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8101-1□G2, 1PH8101-3□G2 in Star-connection

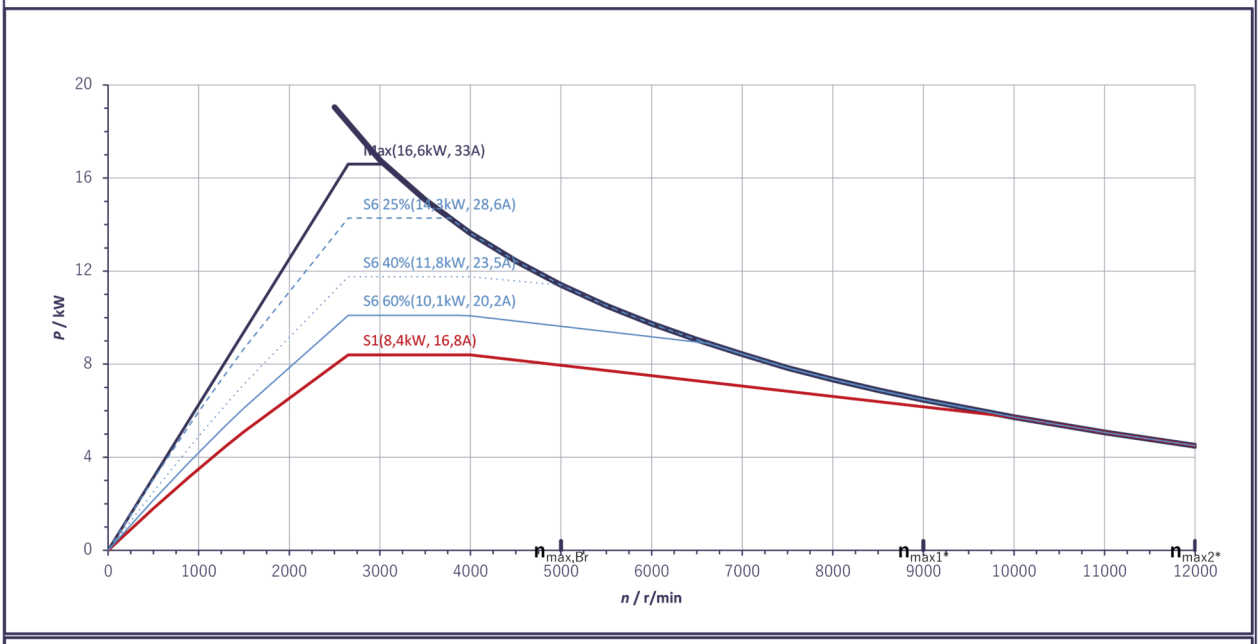
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	7,3	30,0	16,8	9000	12000	--	5000	5000	60,0	33	34	18,0
2000	6,4	31	16,8					6800				

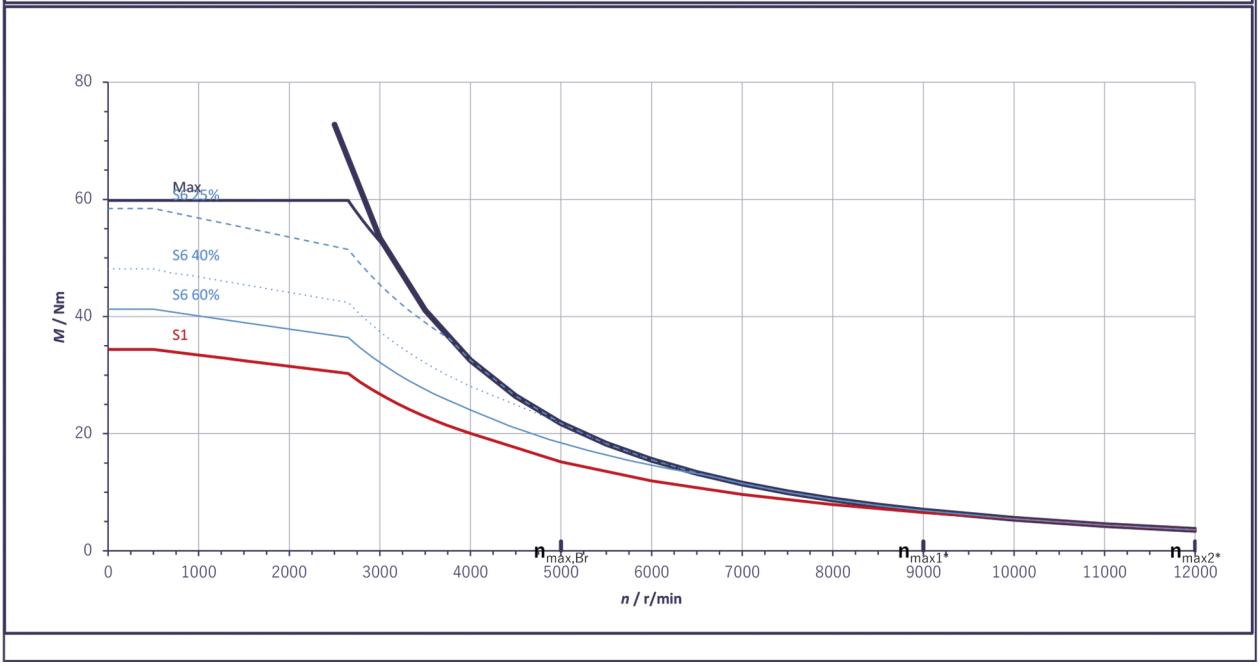




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8101-1□G2, 1PH8101-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	8,4	30,0	16,8	9000	12000	--	5000	4000	60,0	33	34	18,0

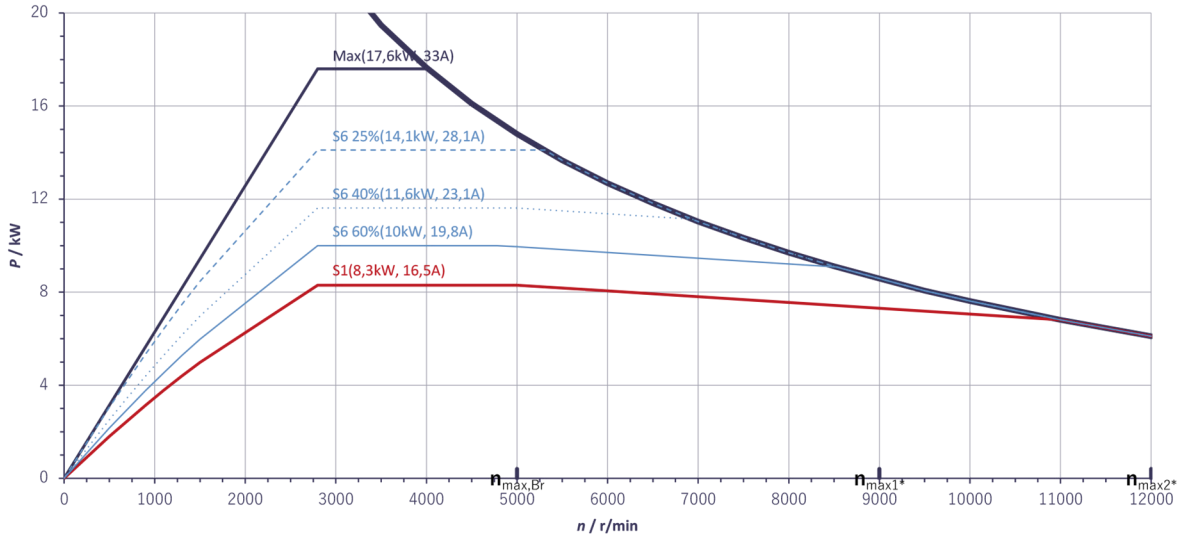


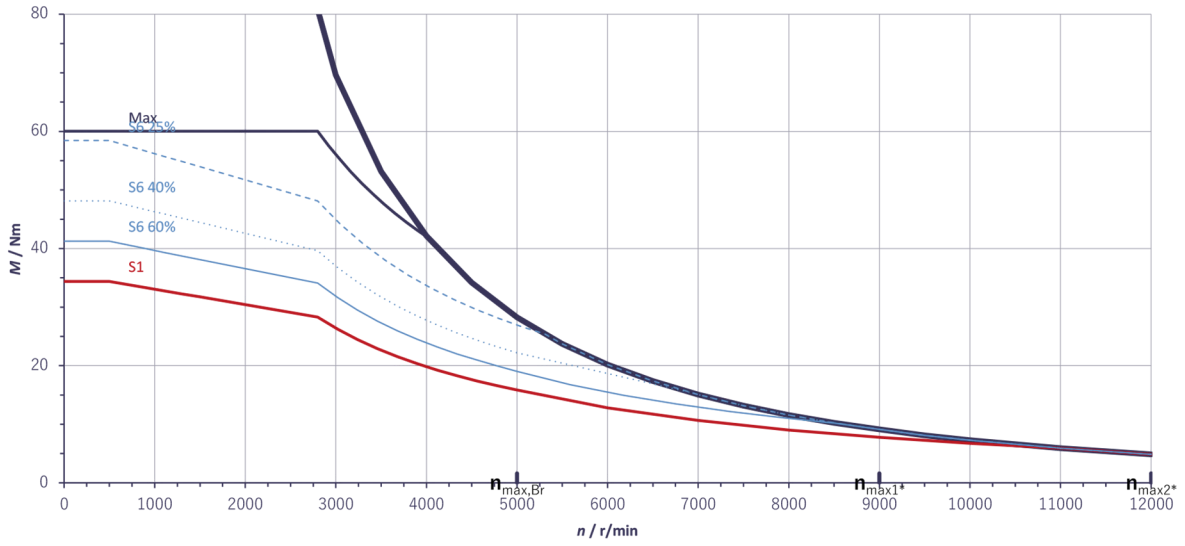


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8101-1□G2, 1PH8101-3□G2 in Star-connection

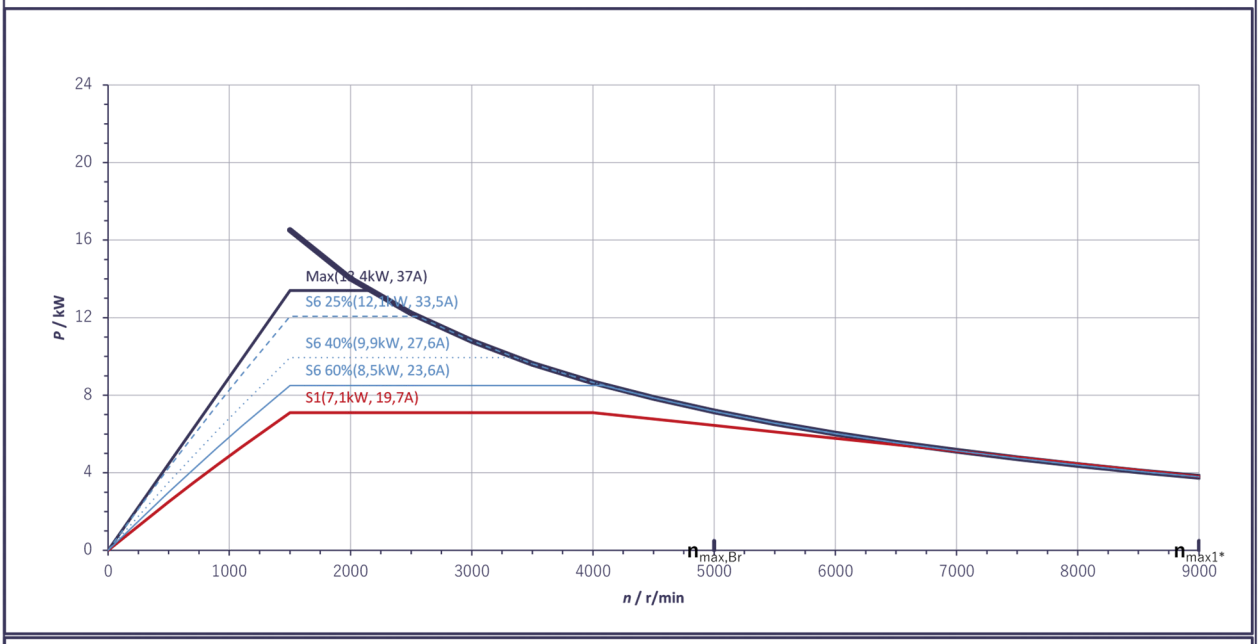
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	8,3	28,0	16,5	9000	12000	--	5000	5000	60,0	33	34	18,0

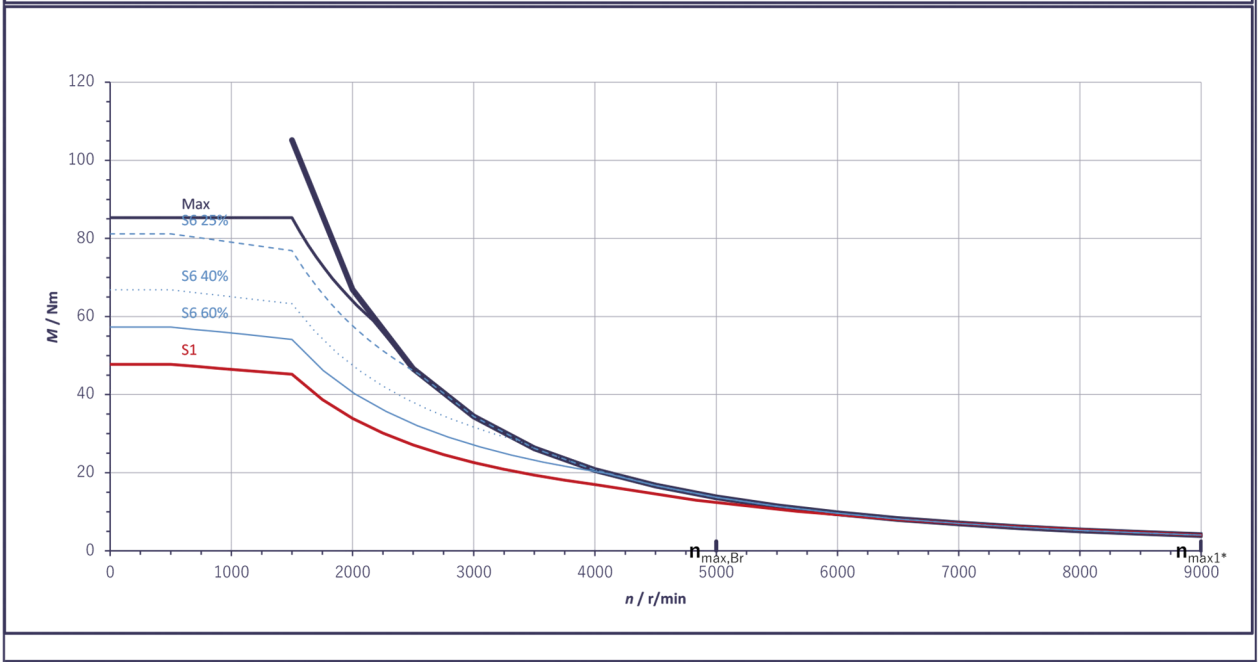




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8103-1□F2, 1PH8103-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	7,1	45,0	19,7	9000	--	--	5000	4000	85,0	37	48	20,1

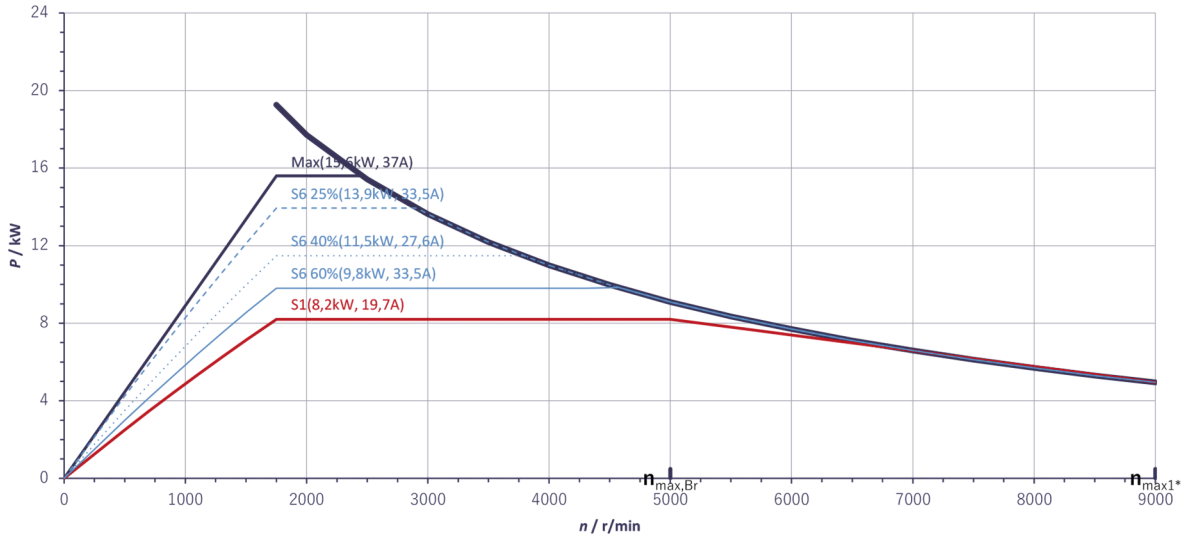


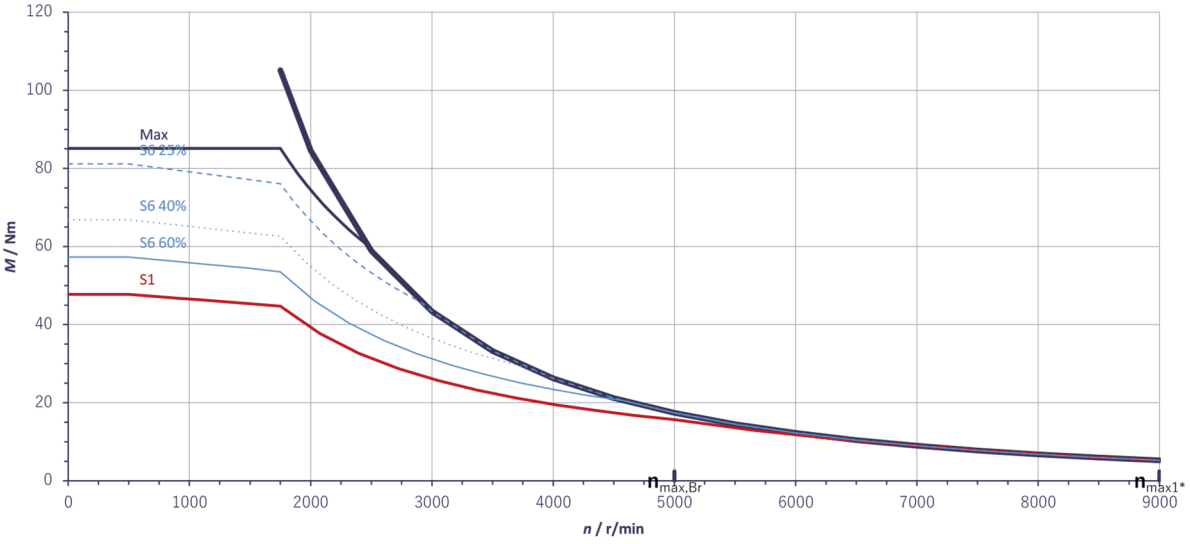


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8103-1□F2, 1PH8103-3□F2 in Star-connection

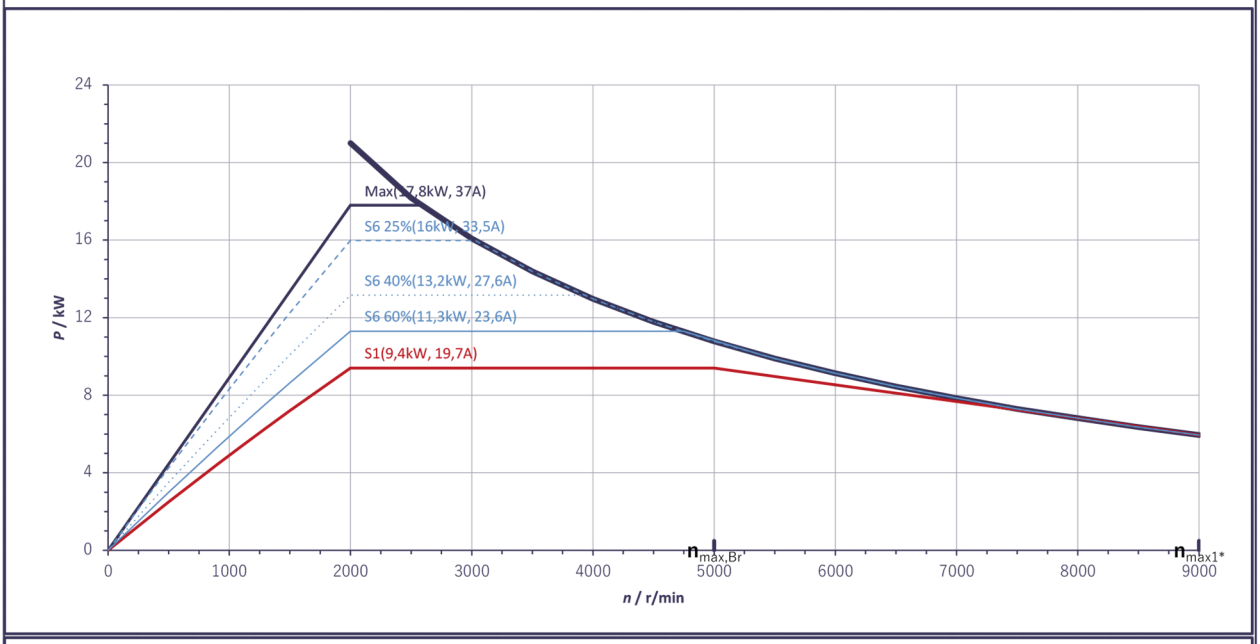
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	8,2	45,0	19,7	9000	--	--	5000	5000	85,0	37	48	20,1
1500	7,1	45	19,7					6400				

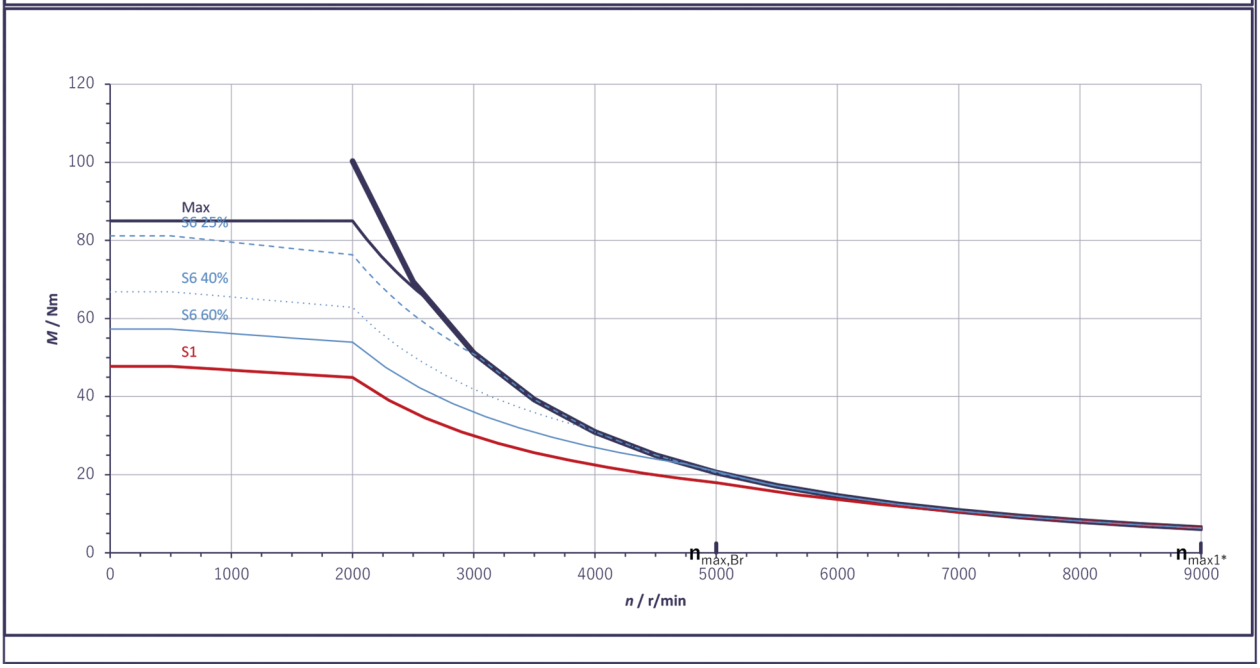




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8103-1□F2, 1PH8103-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	9,4	45,0	19,7	9000	--	--	5000	5000	85,0	37	48	20,1

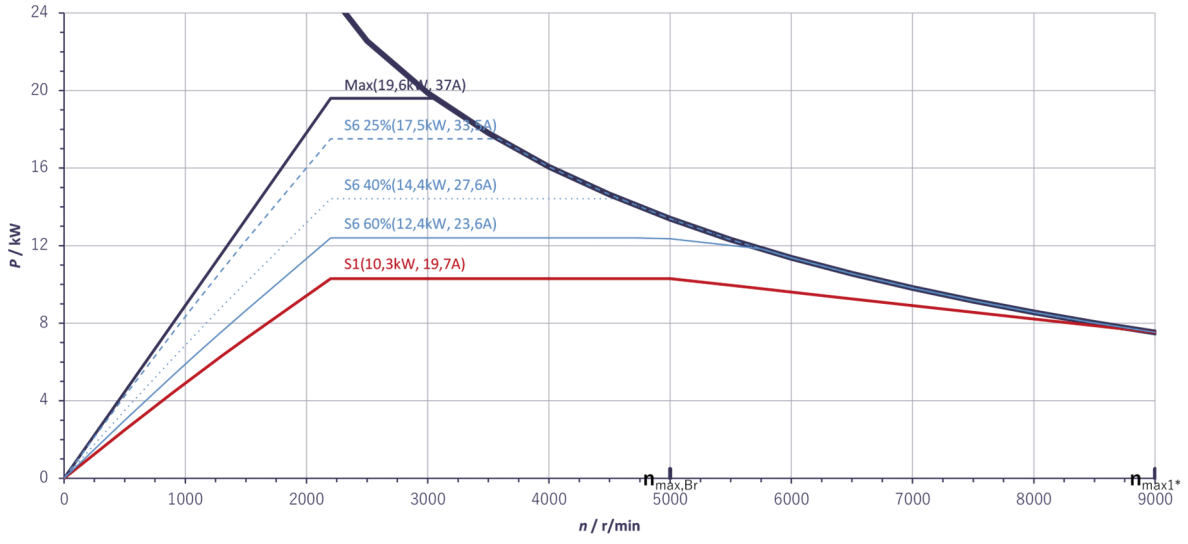


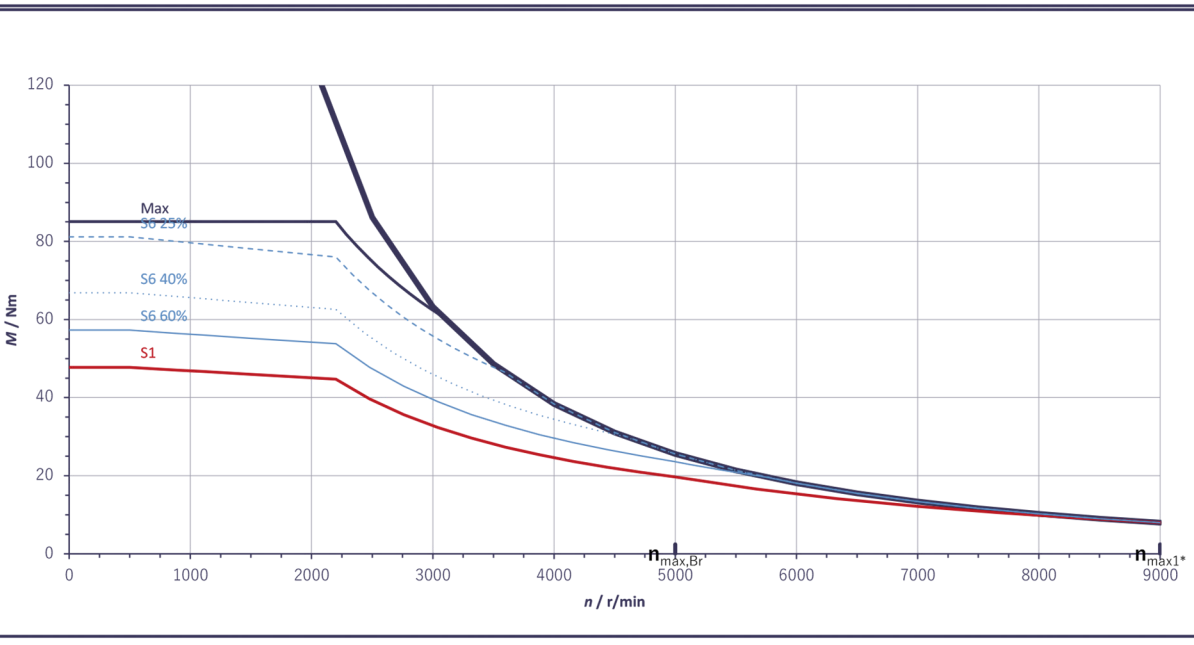


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8103-1□F2, 1PH8103-3□F2 in Star-connection

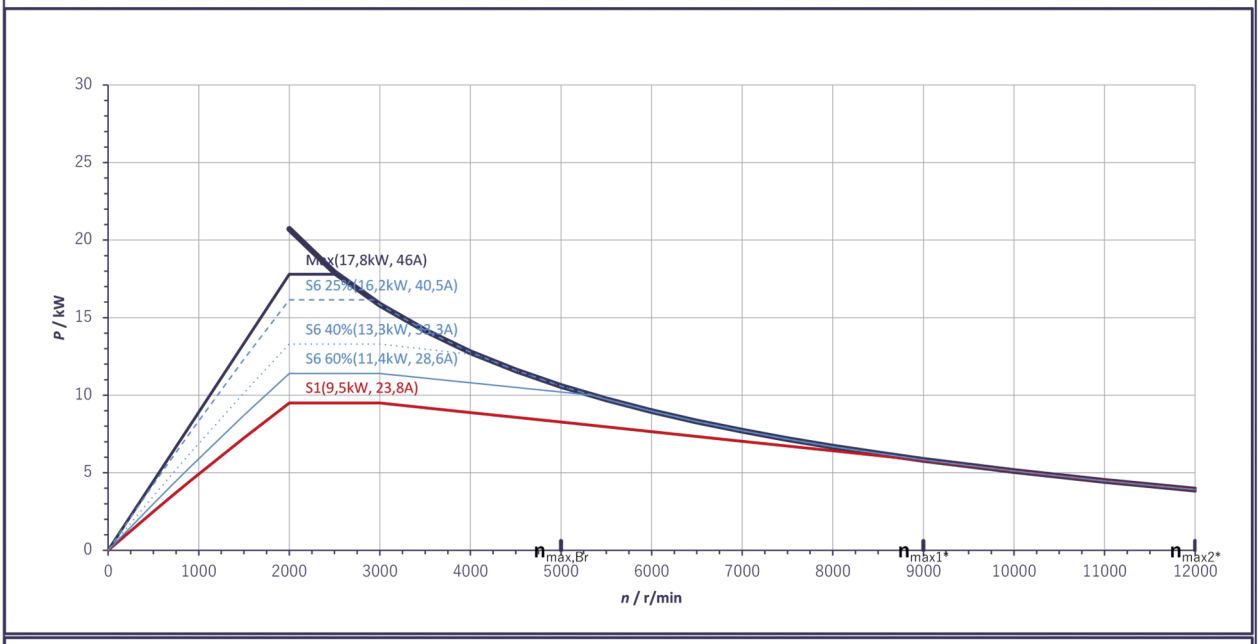
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	10,3	45,0	19,7	9000	--	--	5000	5000	85,0	37	48	20,1

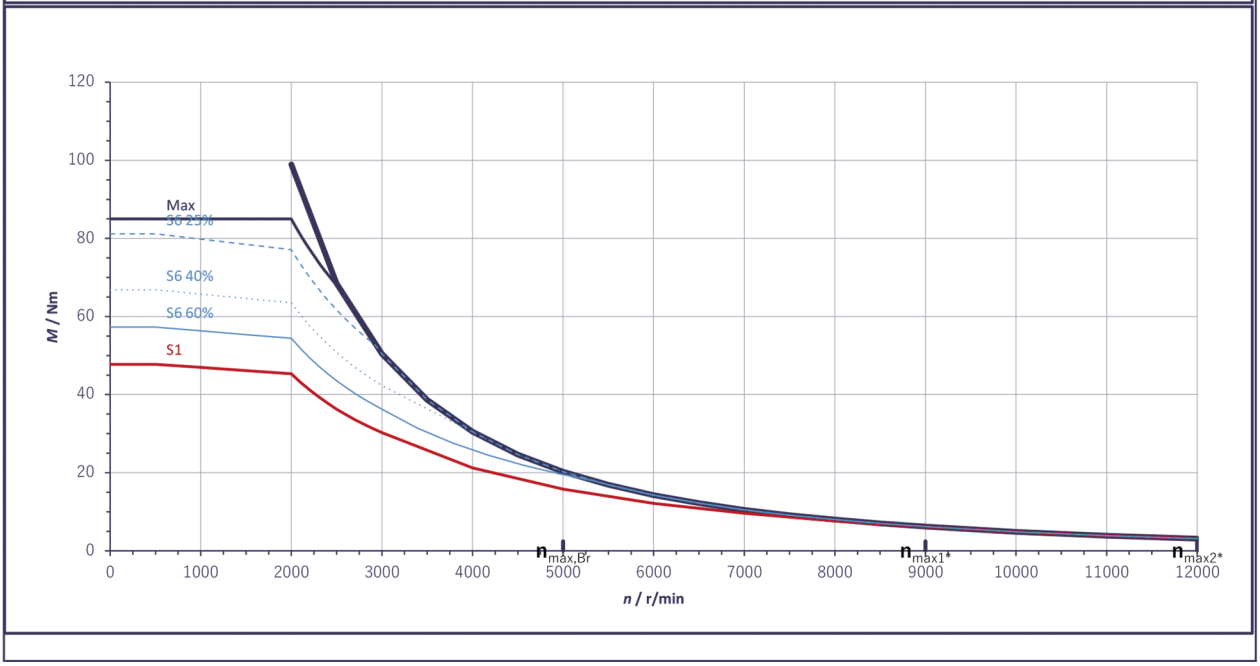




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8103-1□G2, 1PH8103-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	9,5	45,0	23,8	9000	12000	--	5000	3000	85,0	46	48	24,0

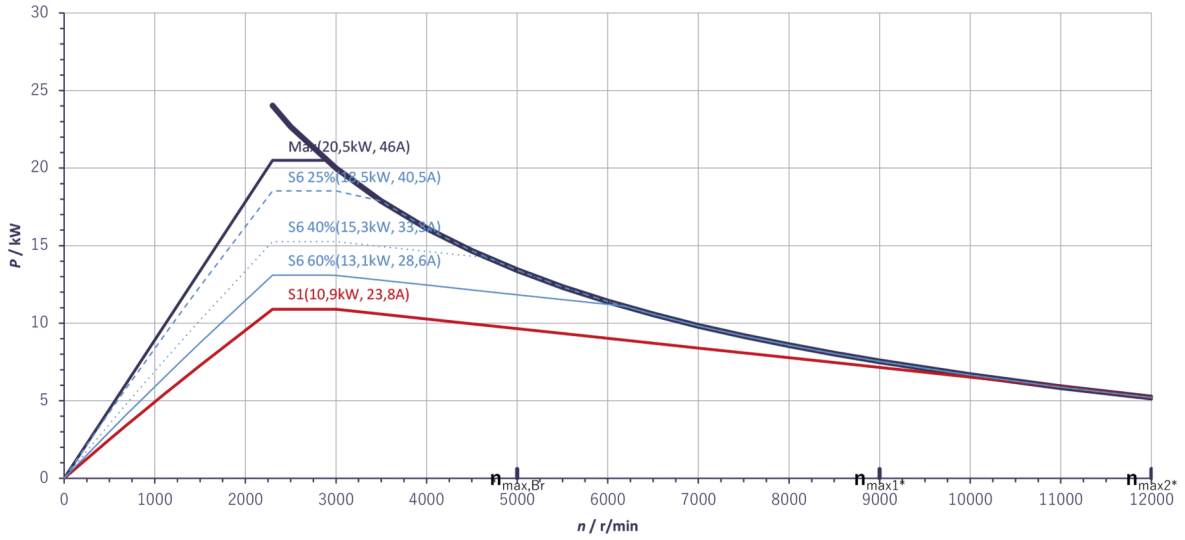


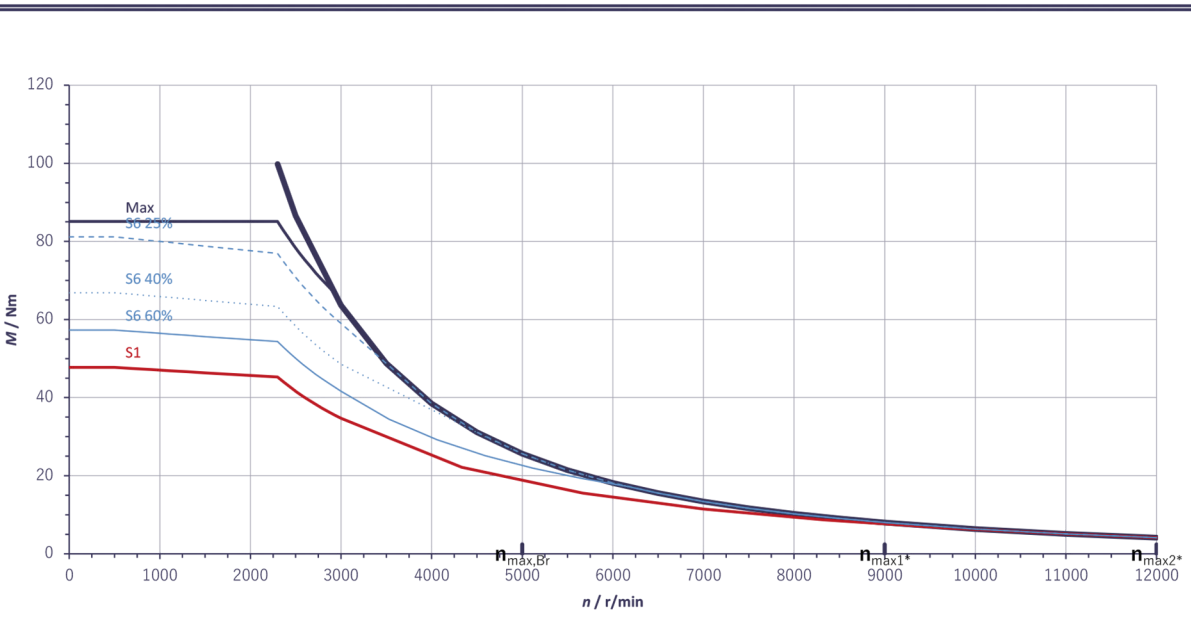


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8103-1□G2, 1PH8103-3□G2 in Star-connection

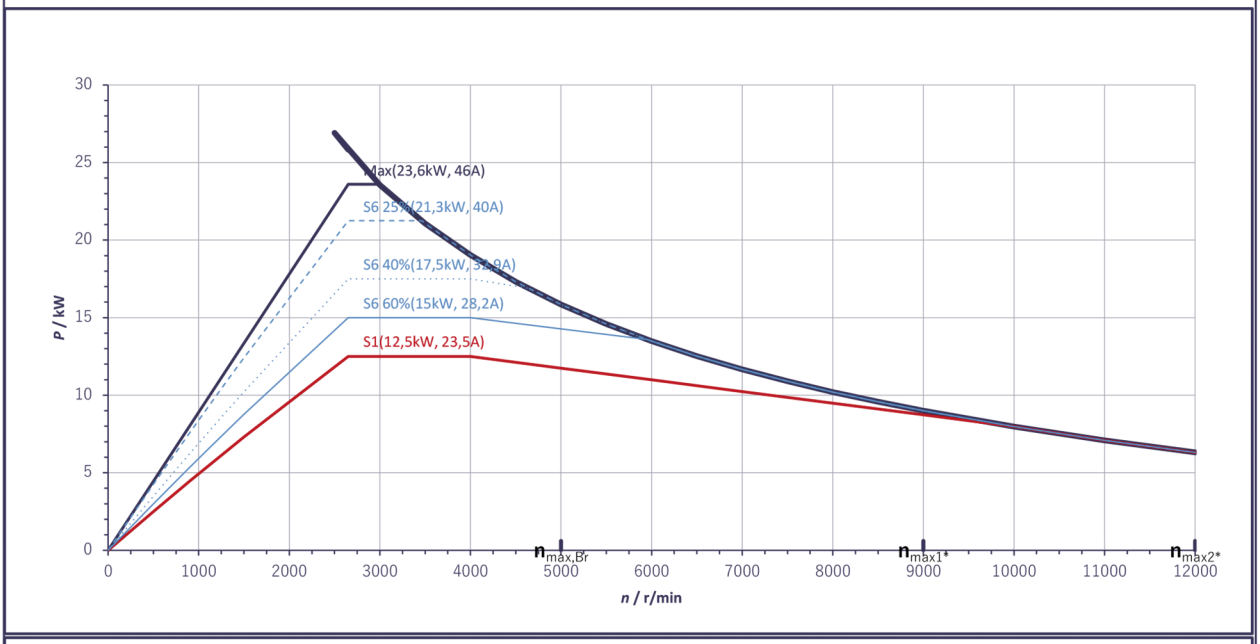
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	10,9	45,0	23,8	9000	12000	--	5000	3000	85,0	46	48	24,0
2000	9,5	45	23,8					5300				

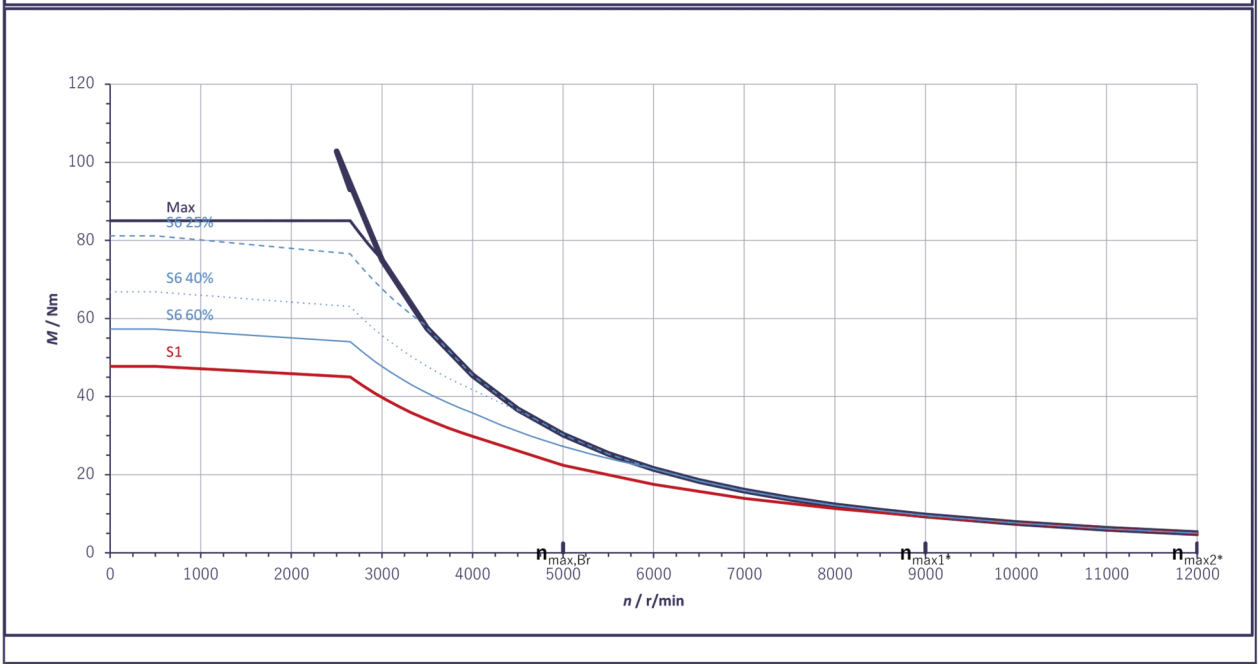




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8103-1□G2, 1PH8103-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	12,5	45,0	23,5	9000	12000	--	5000	4000	85,0	46	48	24,0

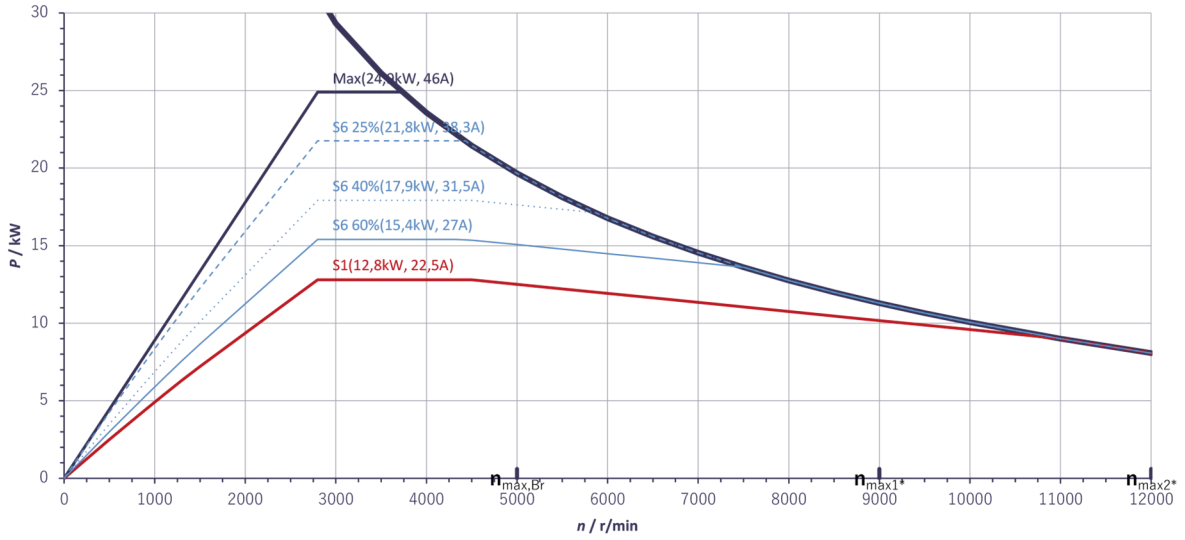


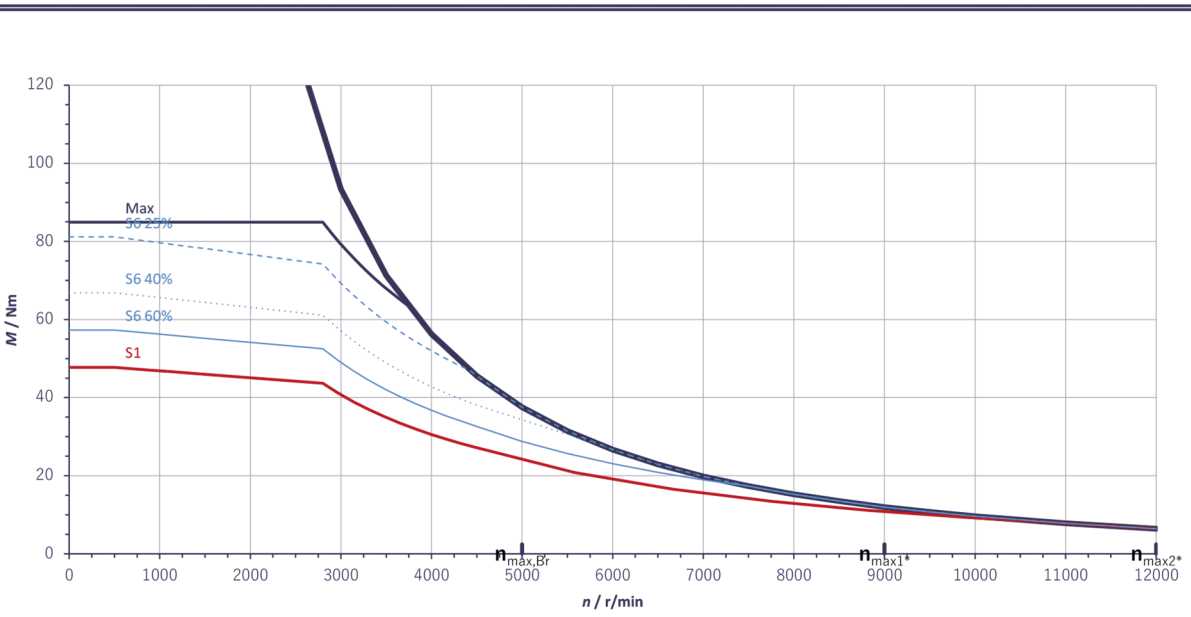


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8103-1□G2, 1PH8103-3□G2 in Star-connection

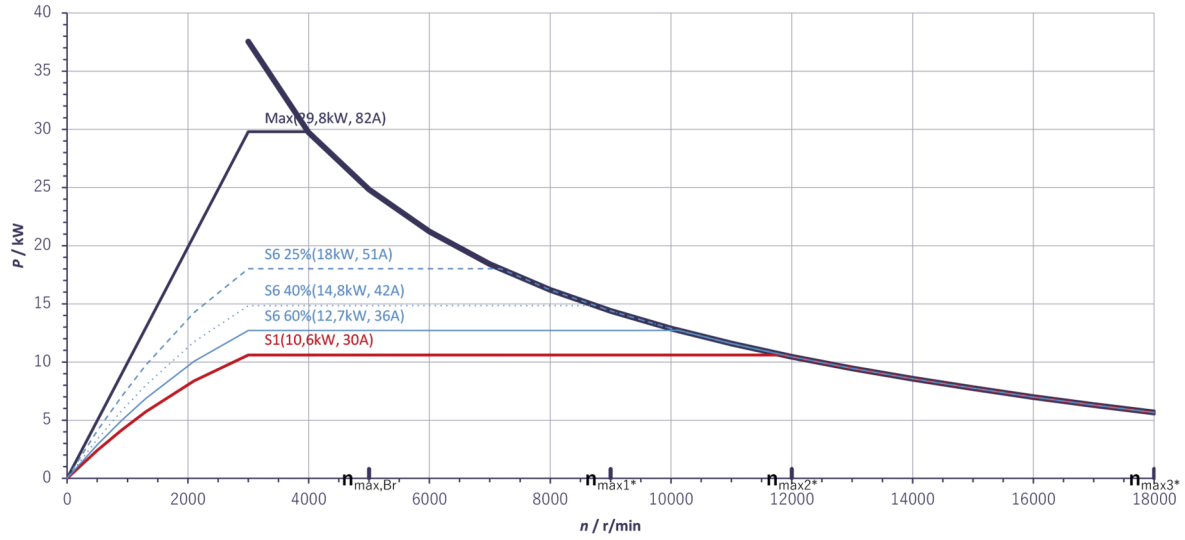
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	12,8	44,0	22,5	9000	12000	--	5000	4500	85,0	46	48	24,0

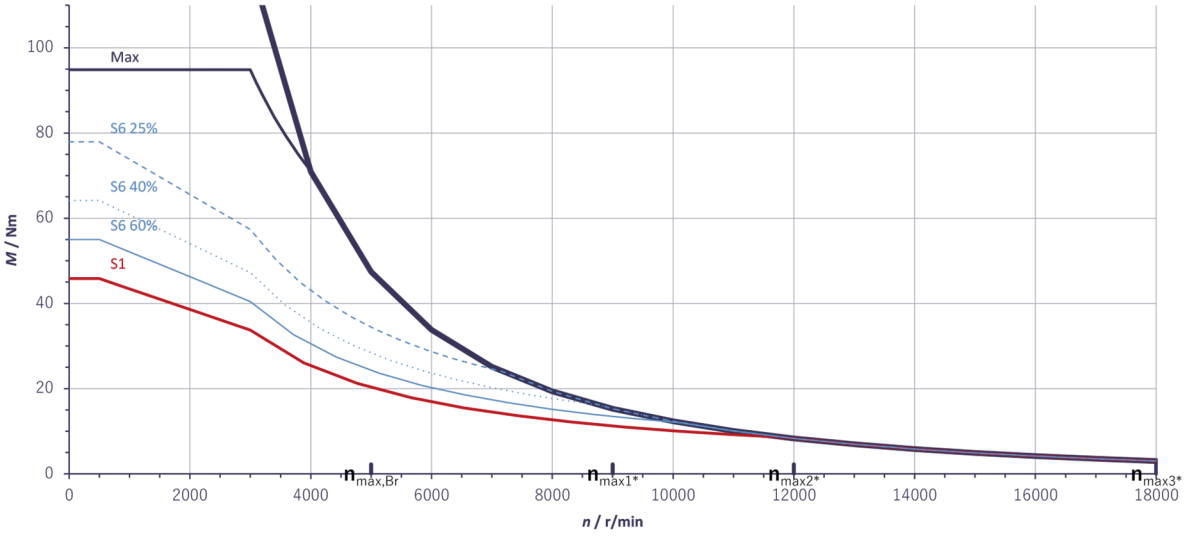




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8103-1□M2, 1PH8103-3□M2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3000	10,6	34,0	30,0	9000	12000	18000	5000	11900	95,0	82	46	35,0

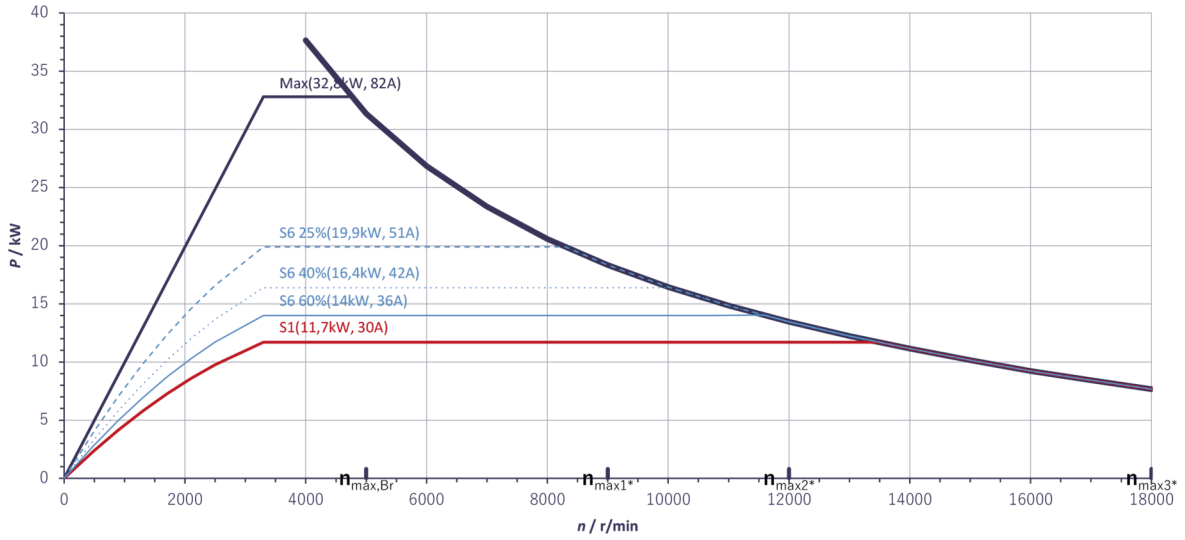


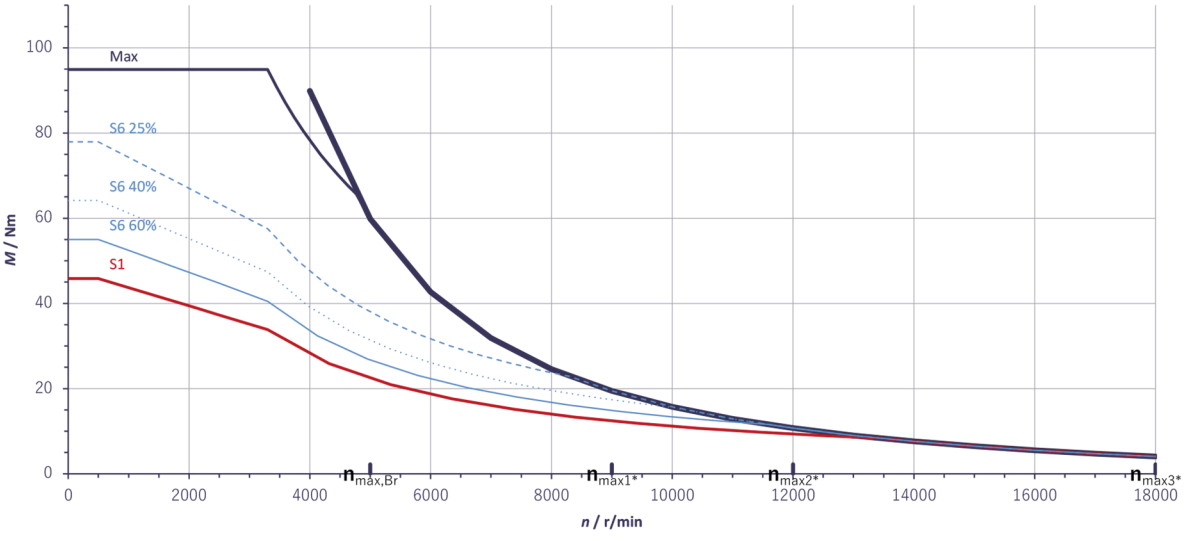


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8103-1□M2, 1PH8103-3□M2 in Star-connection

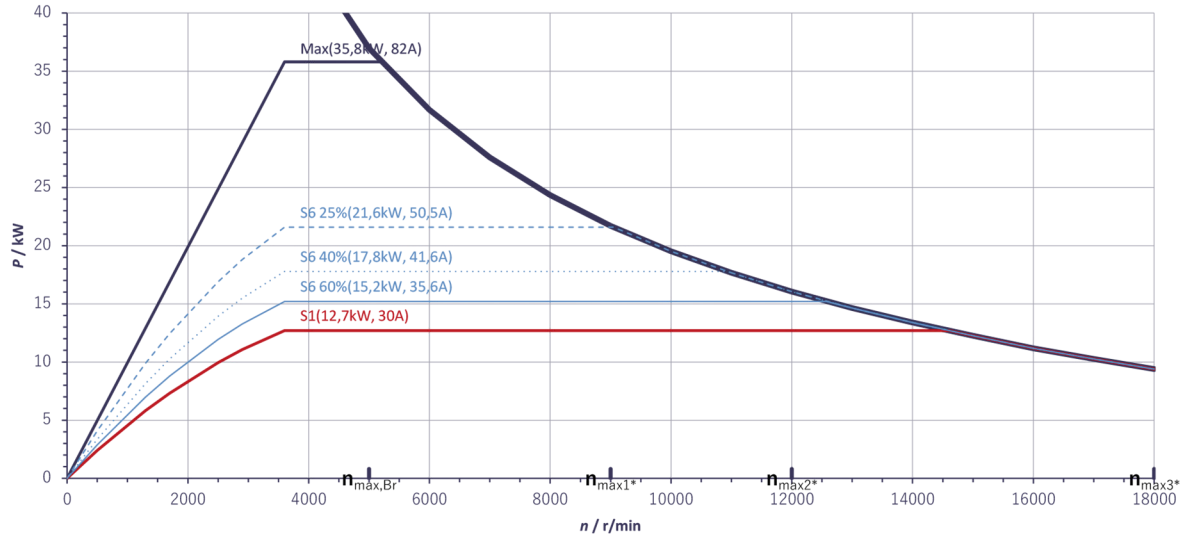
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3300	11,7	34,0	30,0	9000	12000	18000	5000	13550	95,0	82	46	35,0
3000	10,6	34	30,0					14600				

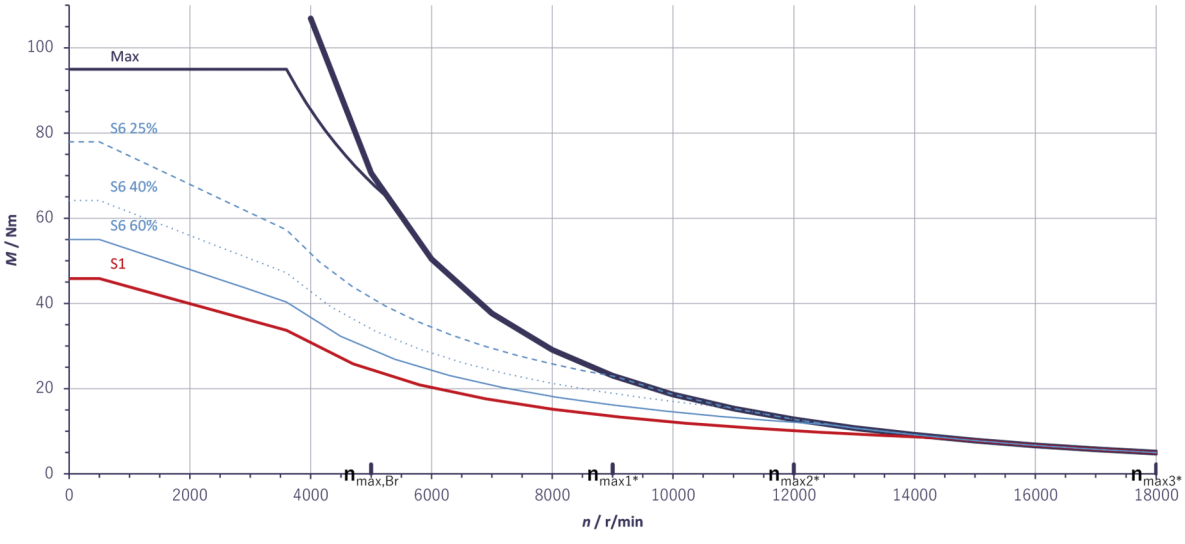




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8103-1□M2, 1PH8103-3□M2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3600	12,7	34,0	29,7	9000	12000	18000	5000	14650	95,0	82	46	35,0

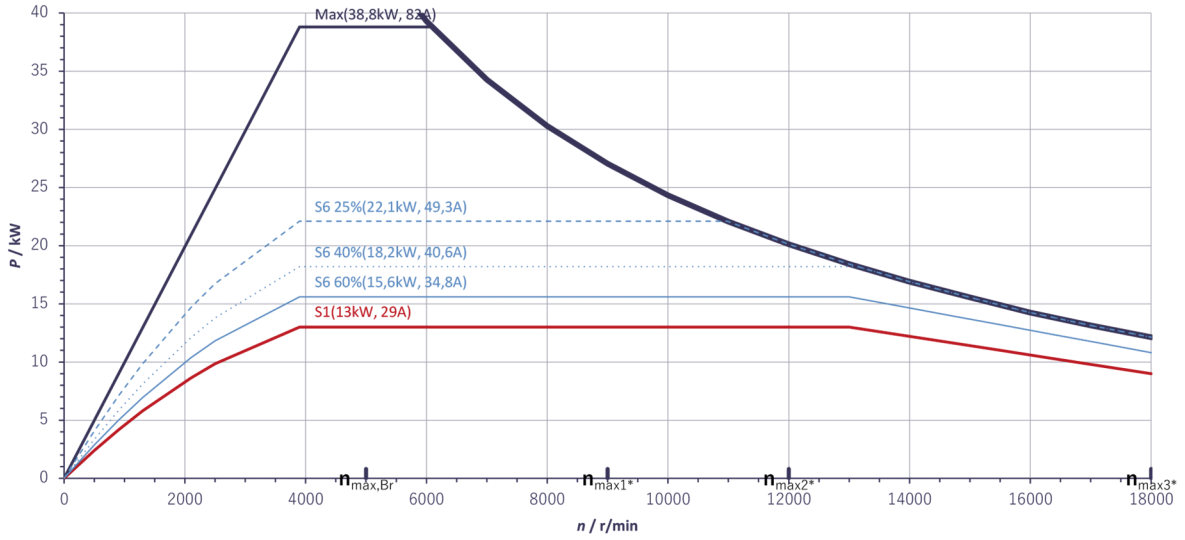


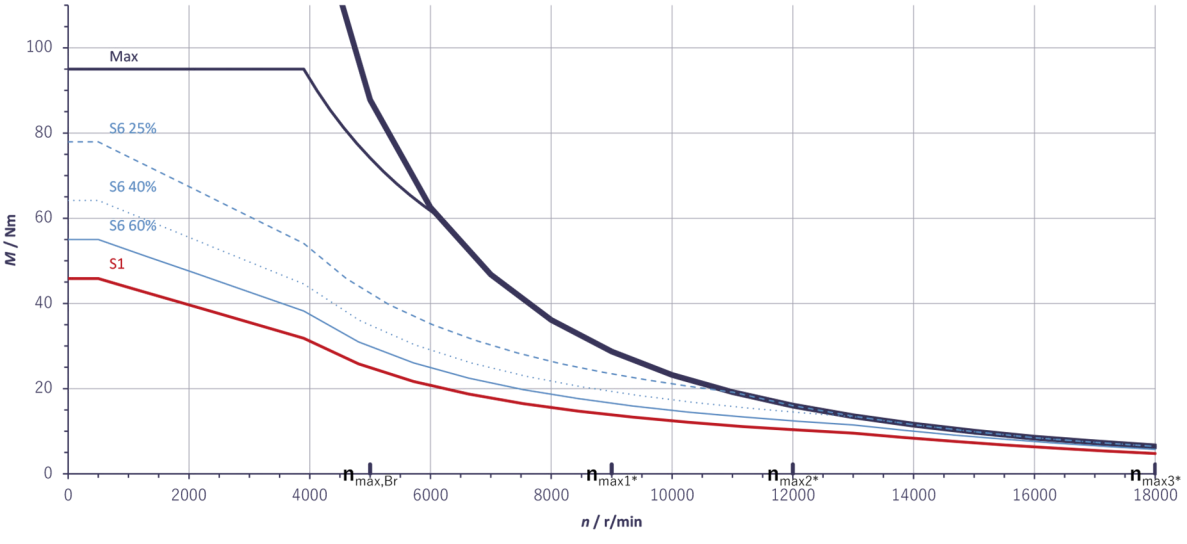


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8103-1□M2, 1PH8103-3□M2 in Star-connection

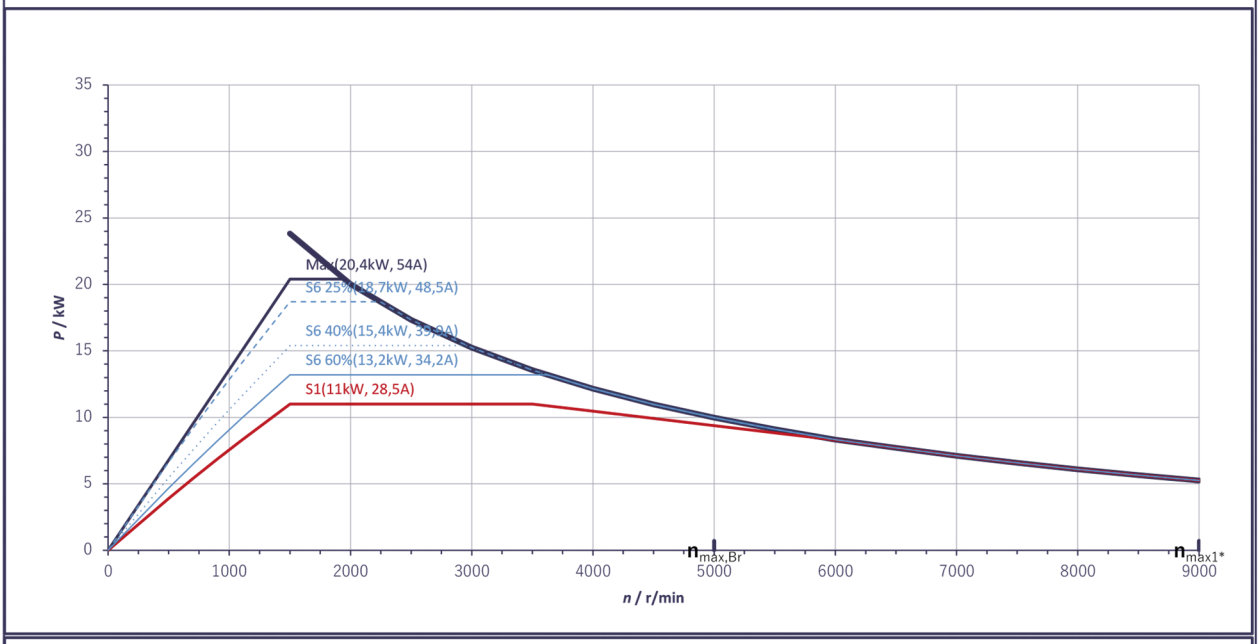
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3900	13,0	32,0	29,0	9000	12000	18000	5000	13000	95,0	82	46	35,0

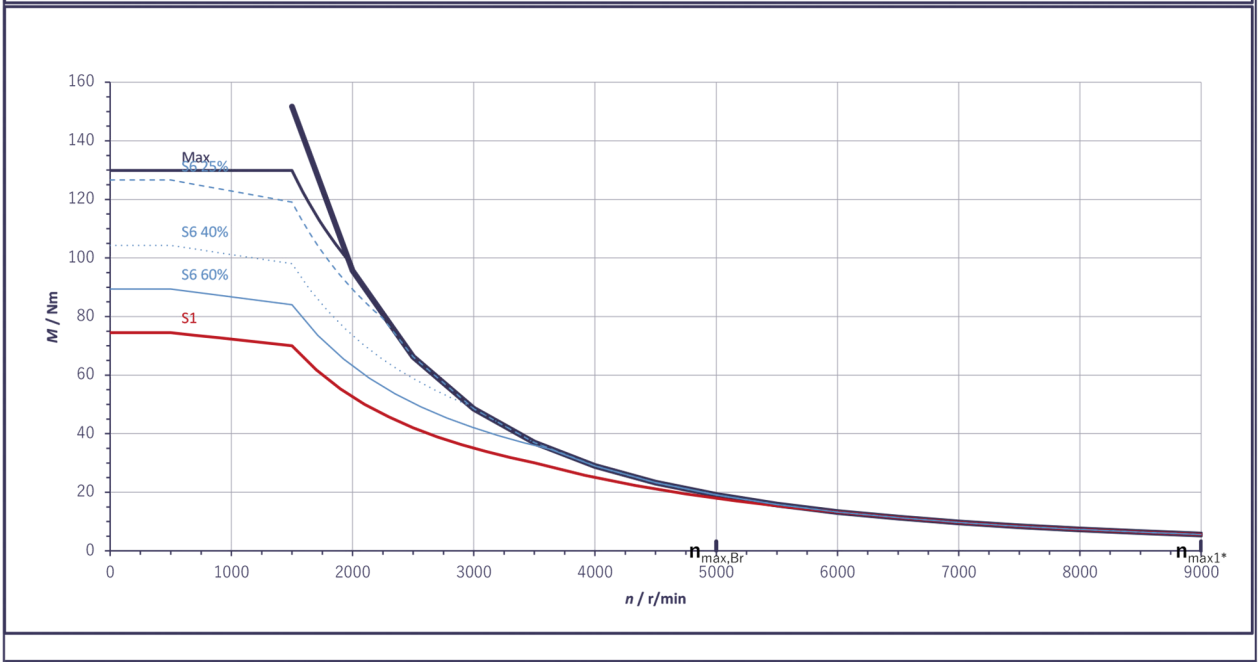




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8105-1□F2, 1PH8105-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	11,0	70,0	28,5	9000	--	--	5000	3500	130,0	54	74	28,9

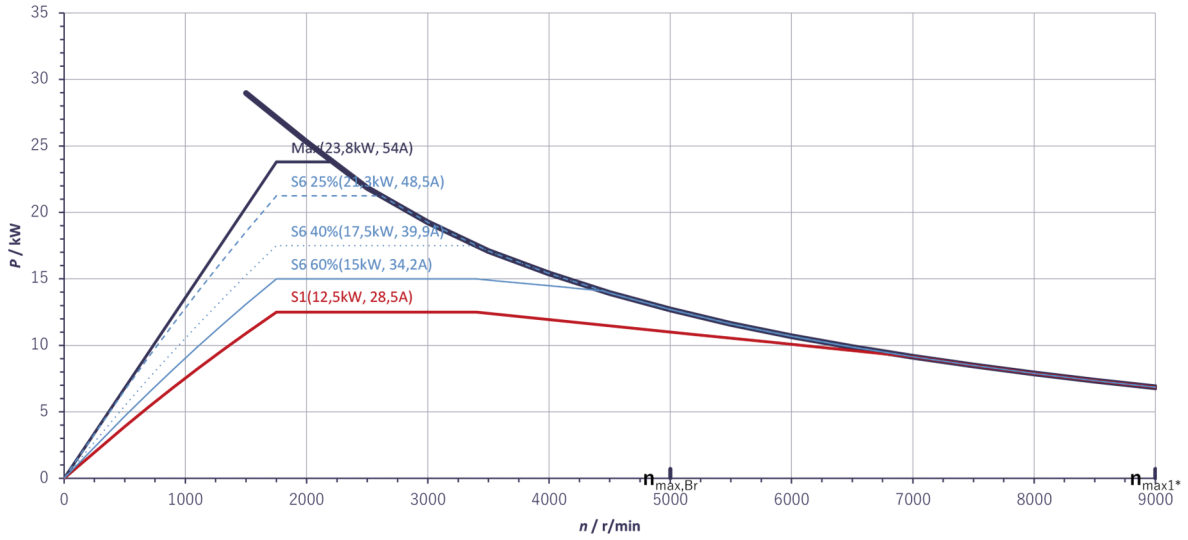


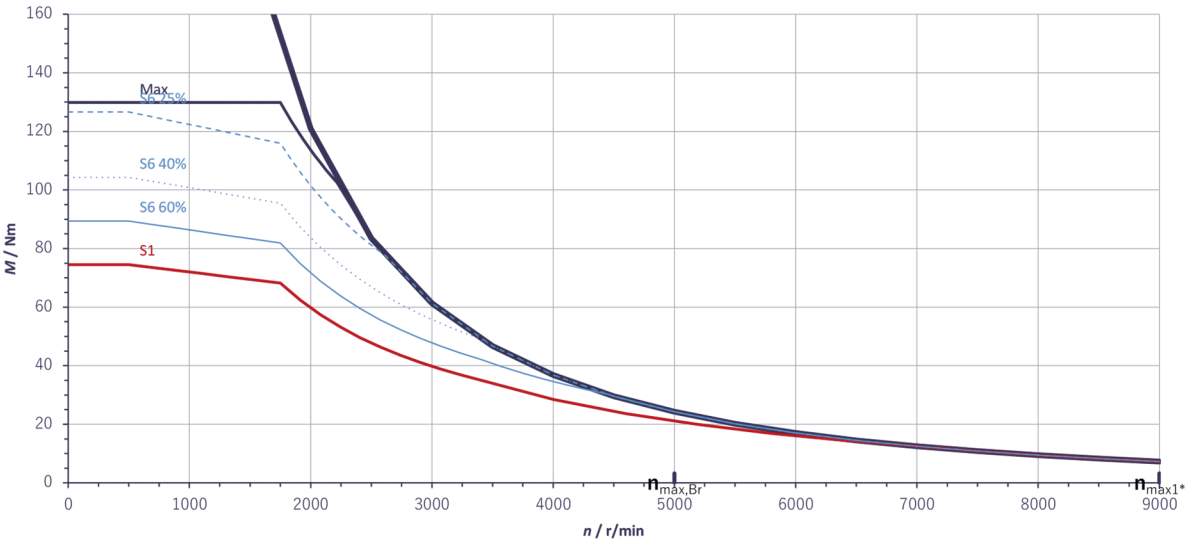


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8105-1□F2, 1PH8105-3□F2 in Star-connection

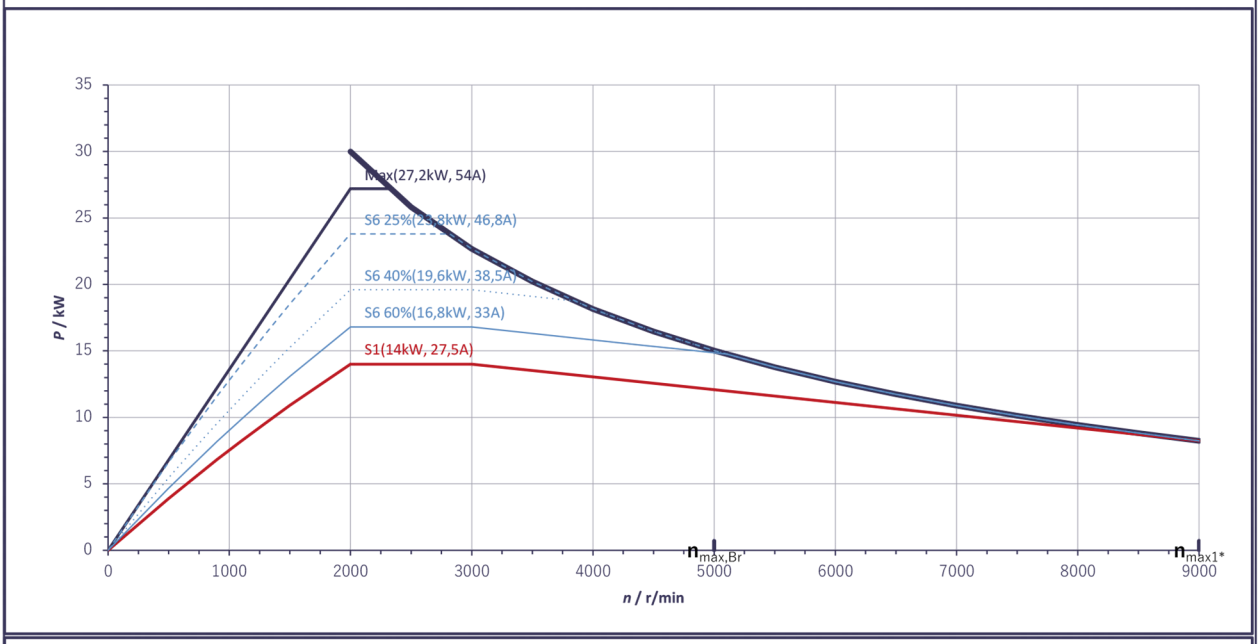
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	12,5	68,0	28,5	9000	--	--	5000	3400	130,0	54	74	28,9
1500	11,0	70	28,5					5000				

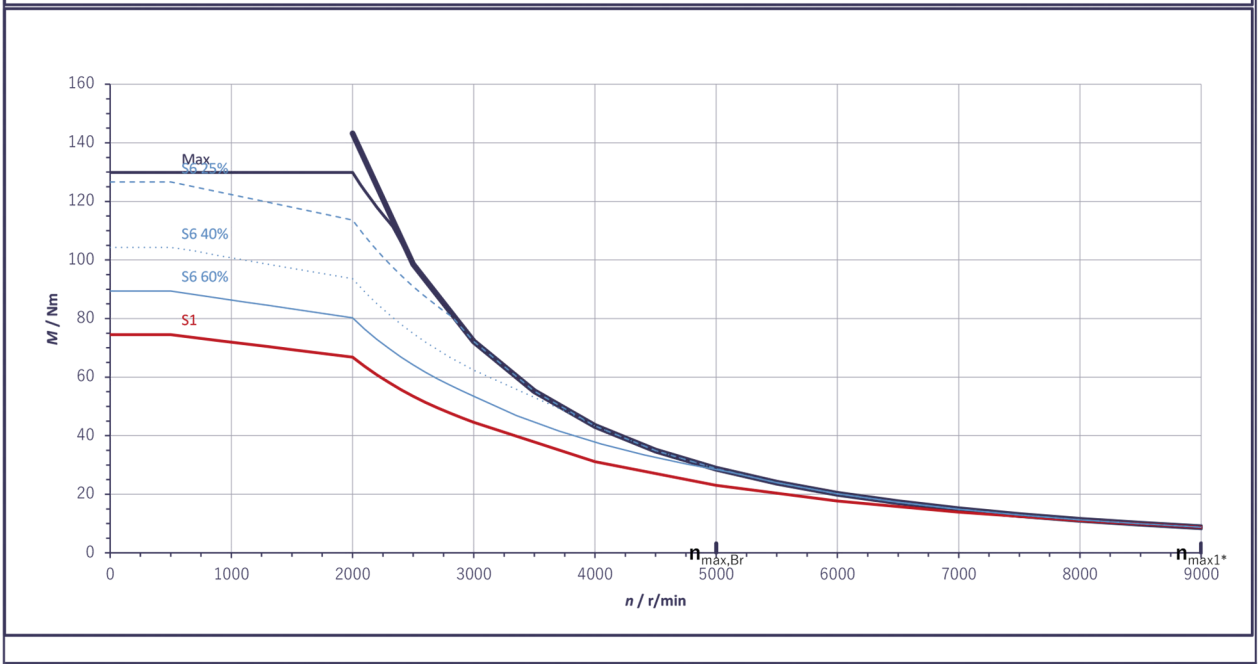




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8105-1□F2, 1PH8105-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	14,0	67,0	27,5	9000	--	--	5000	3000	130,0	54	74	28,9

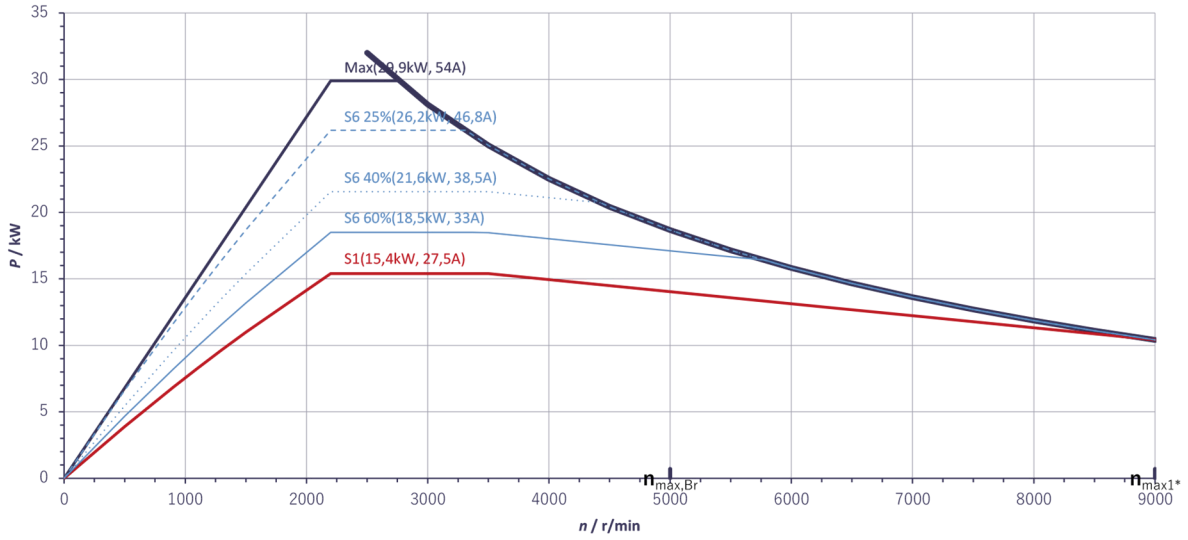


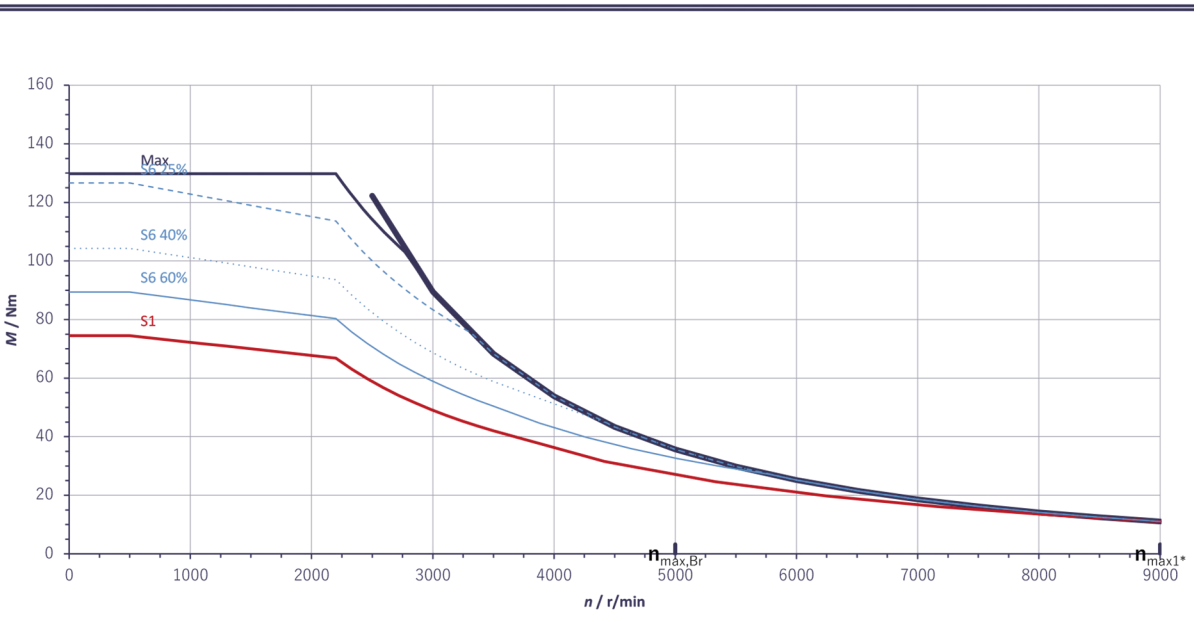


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8105-1□F2, 1PH8105-3□F2 in Star-connection

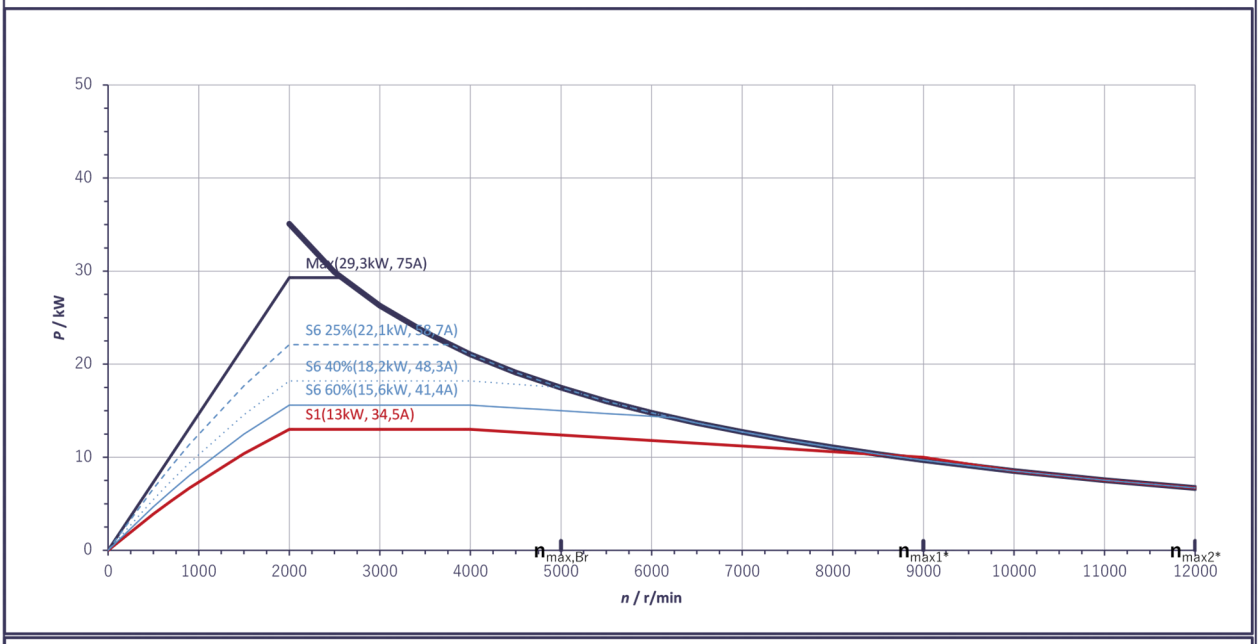
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	15,4	67,0	27,5	9000	--	--	5000	3500	130,0	54	74	28,9

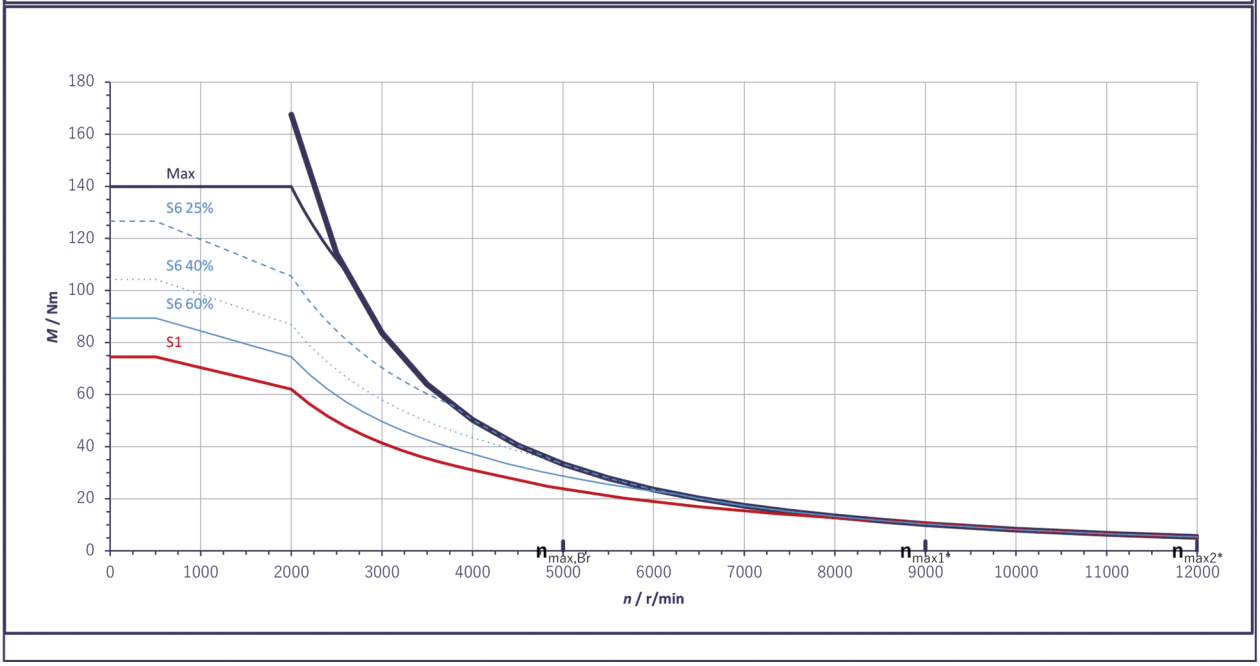




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8105-1□G2, 1PH8105-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	13,0	62,0	34,5	9000	12000	--	5000	4000	140,0	75	74	38,0

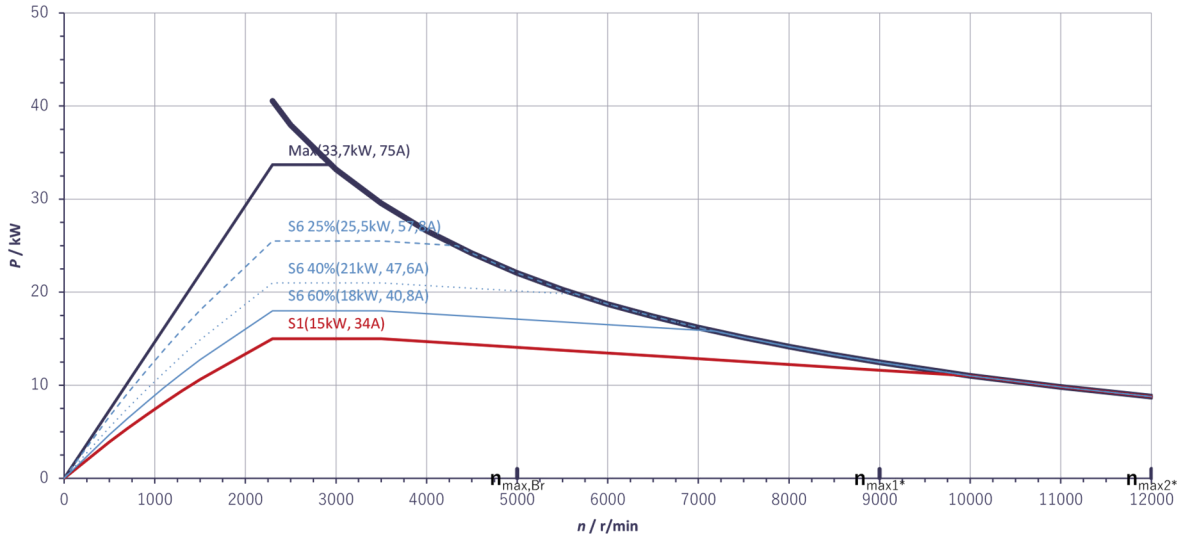


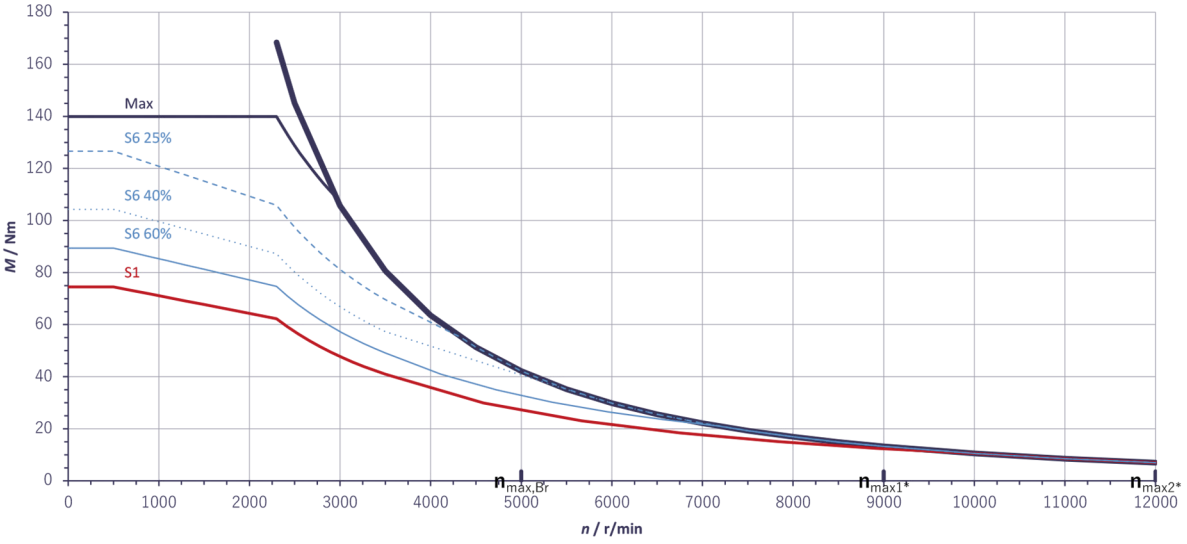


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8105-1□G2, 1PH8105-3□G2 in Star-connection

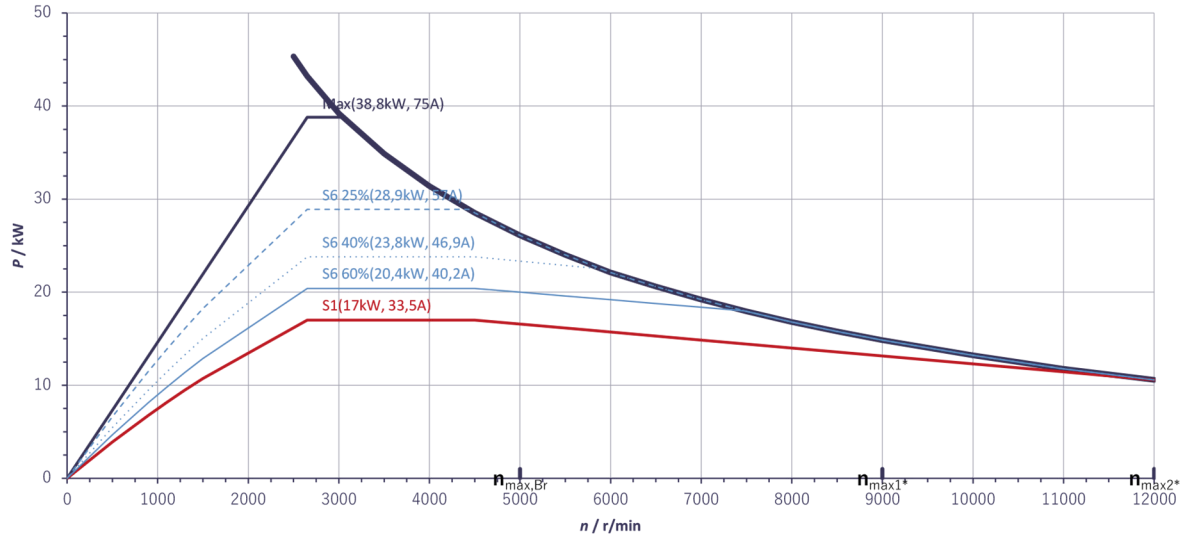
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	15,0	62,0	34,0	9000	12000	--	5000	3500	140,0	75	74	38,0
2000	13,0	62	34,5					6750				

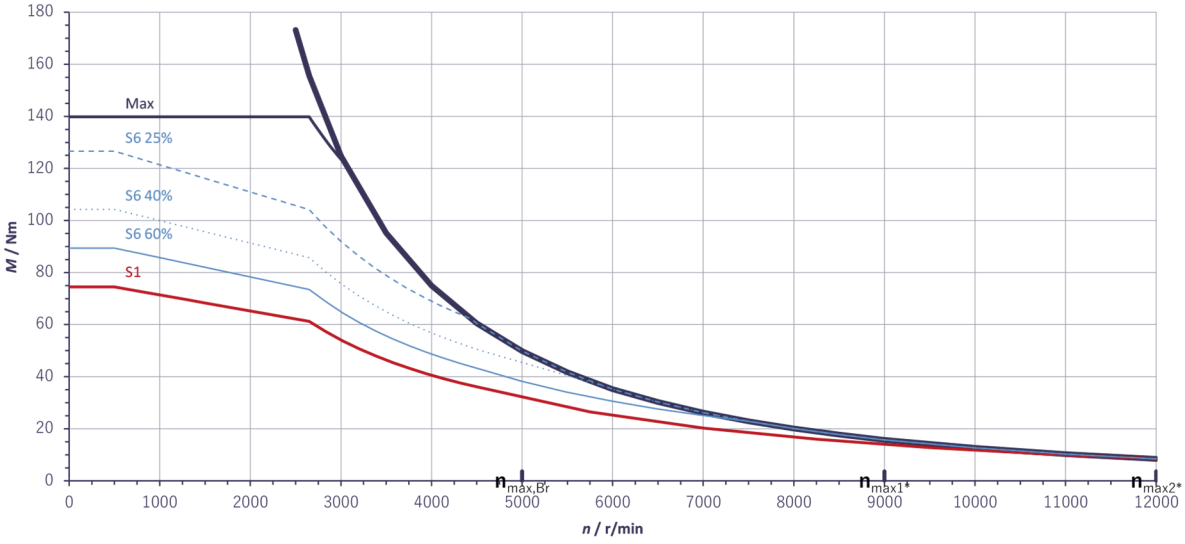




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8105-1□G2, 1PH8105-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	17,0	61,0	33,5	9000	12000	--	5000	4500	140,0	75	74	38,0

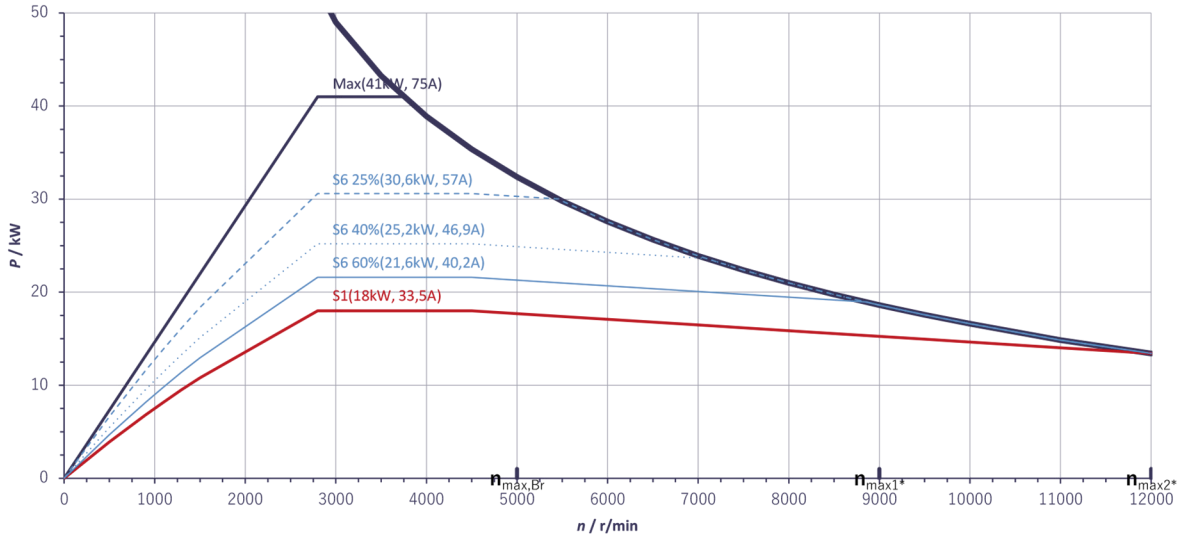


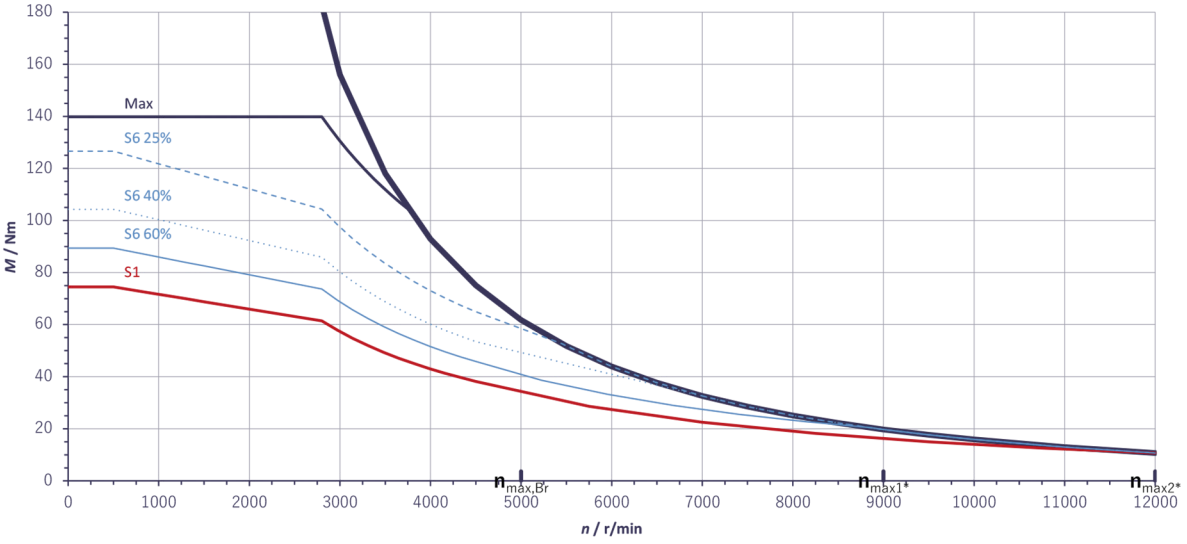


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8105-1□G2, 1PH8105-3□G2 in Star-connection

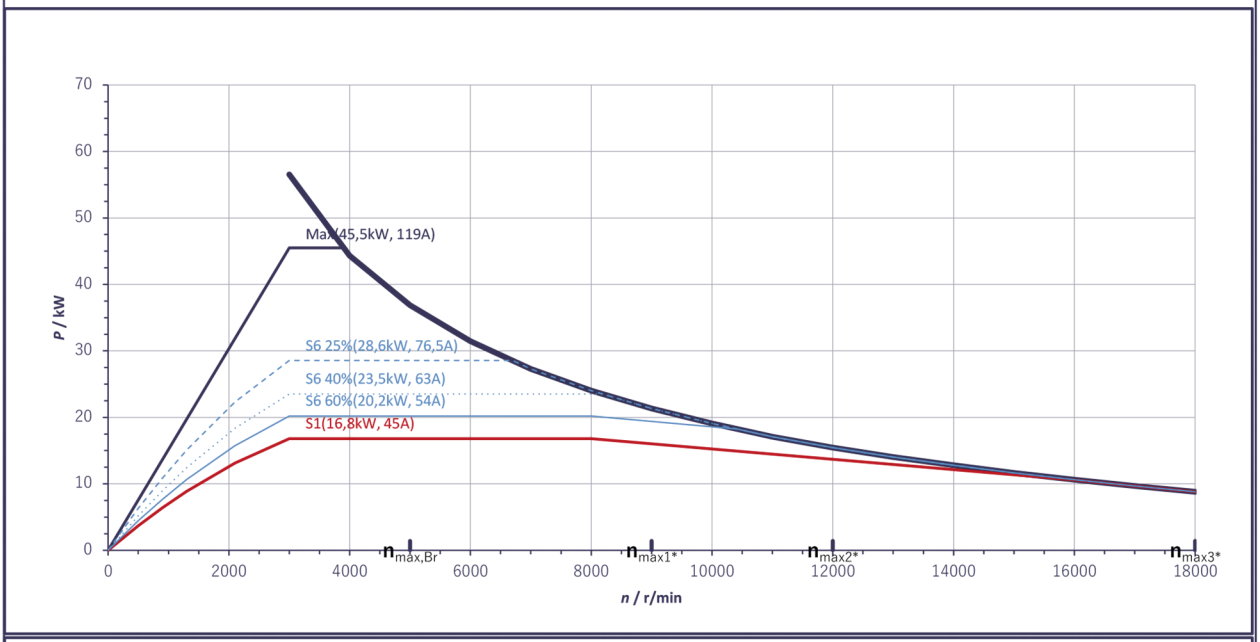
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	18,0	61,0	33,5	9000	12000	--	5000	4500	140,0	75	74	38,0

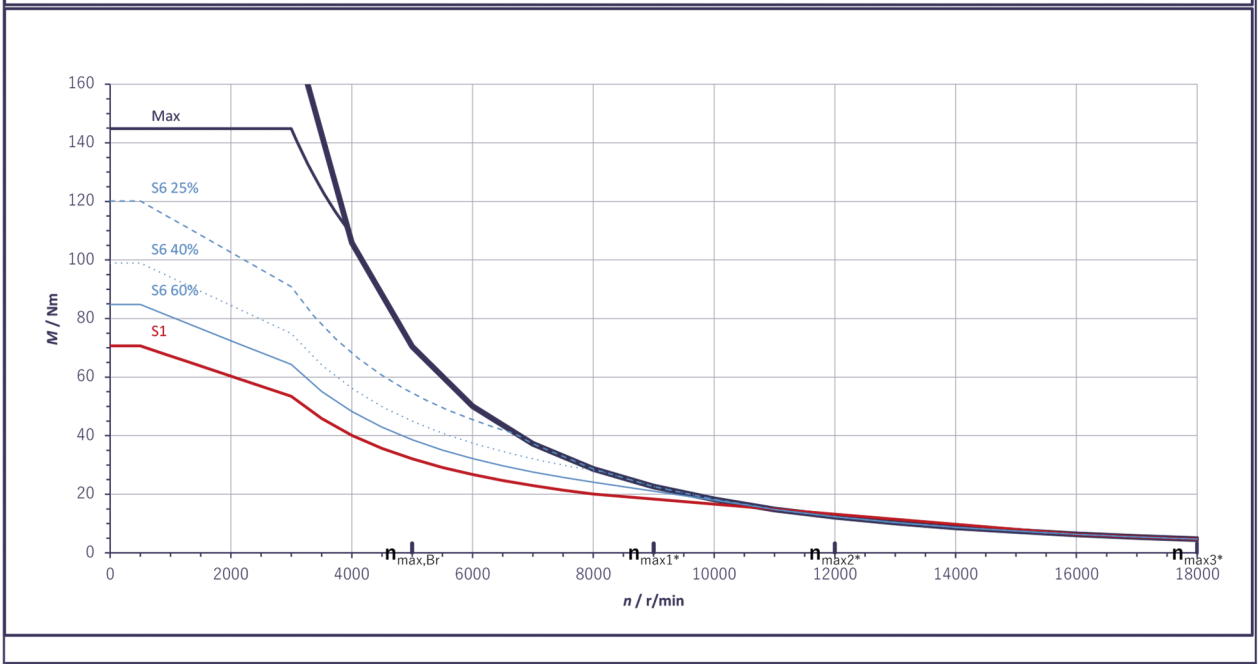




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8105-1□M2, 1PH8105-3□M2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3000	16,8	53,0	45,0	9000	12000	18000	5000	8050	145,0	119	71	52,0

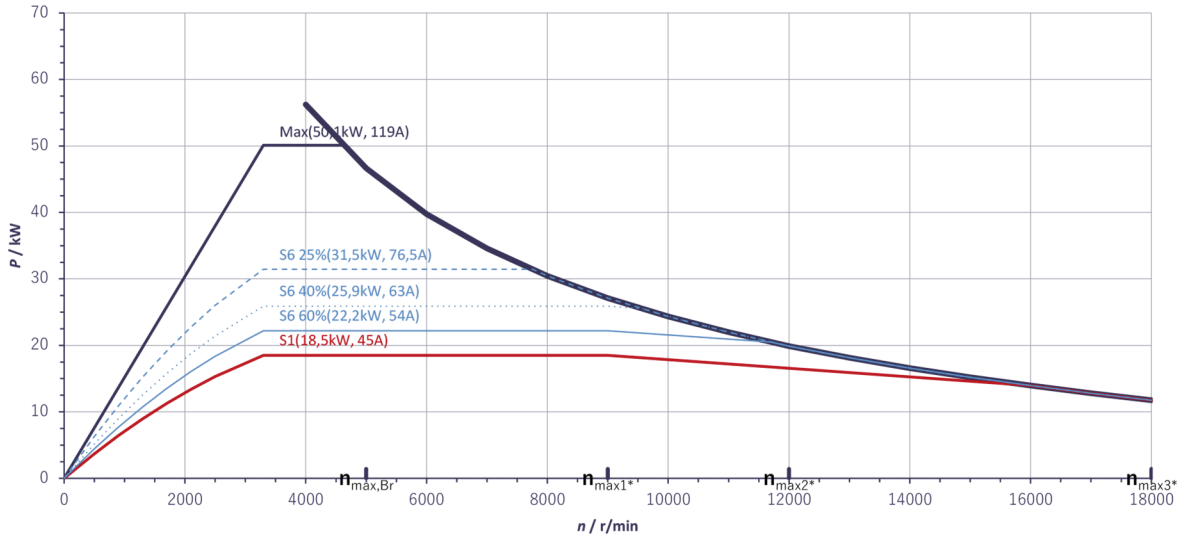


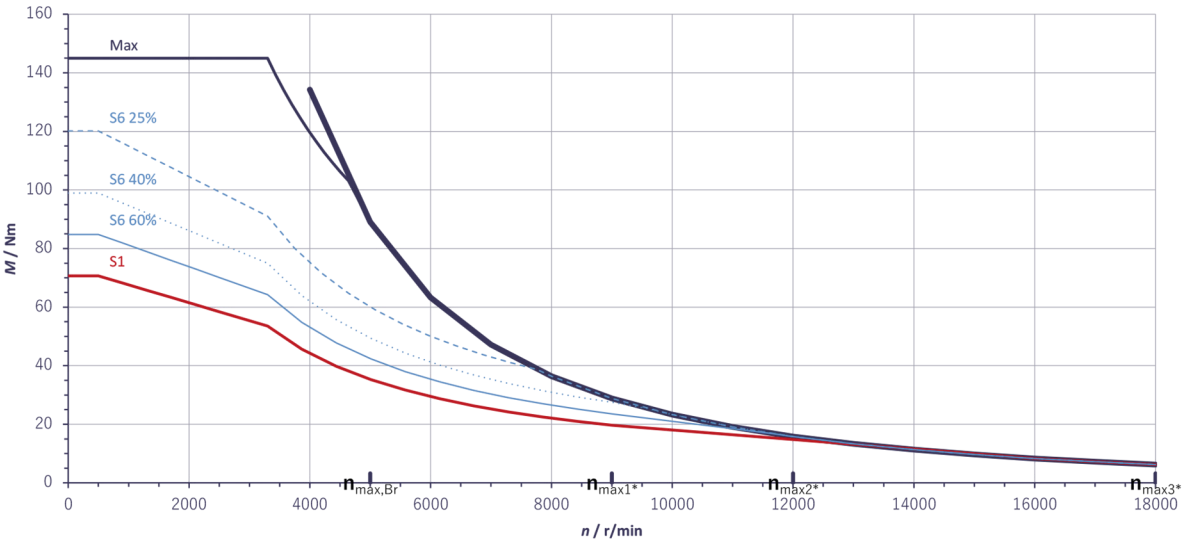


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8105-1□M2, 1PH8105-3□M2 in Star-connection

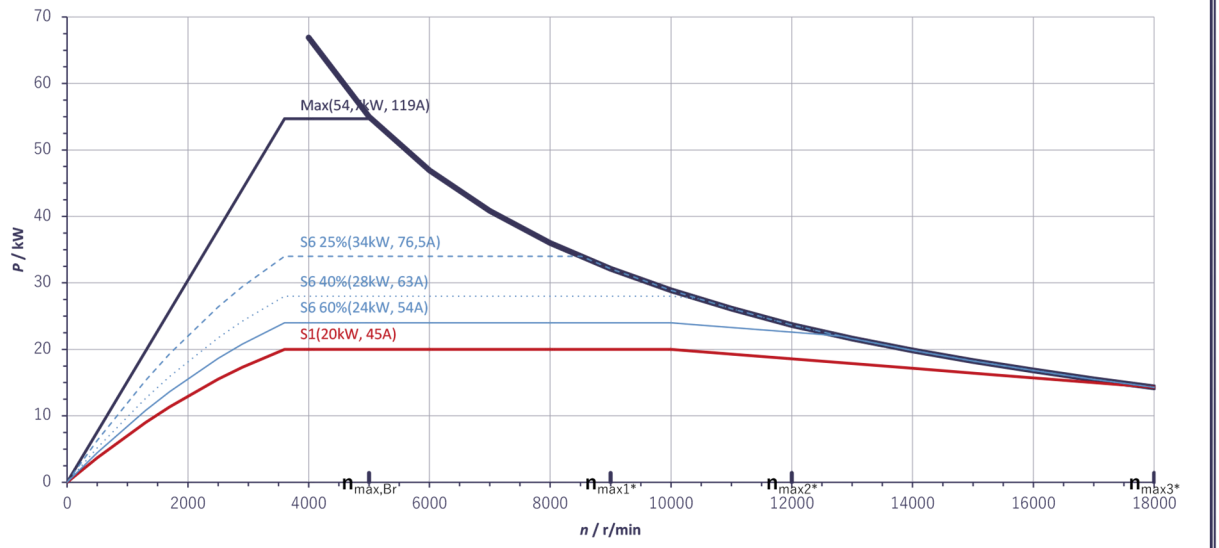
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3300	18,5	54,0	45,0	9000	12000	18000	5000	9050	145,0	119	71	52,0
3000	16,8	53	45,0					11700				

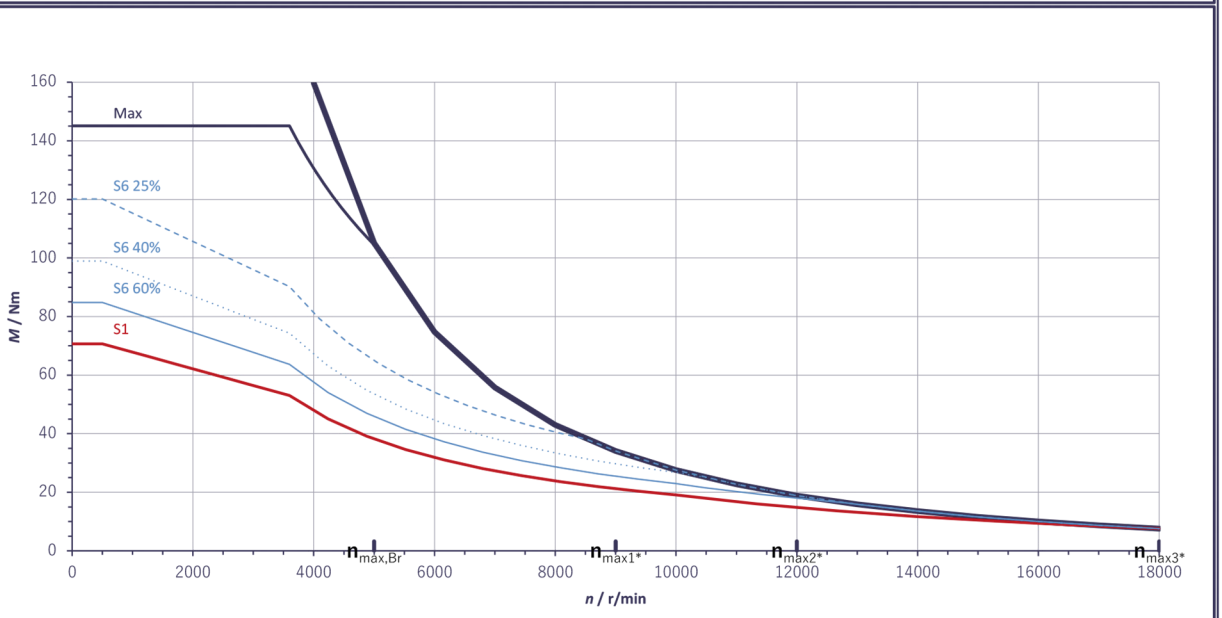




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8105-1□M2, 1PH8105-3□M2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3600	20,0	53,0	45,0	9000	12000	18000	5000	10000	145,0	119	71	52,0

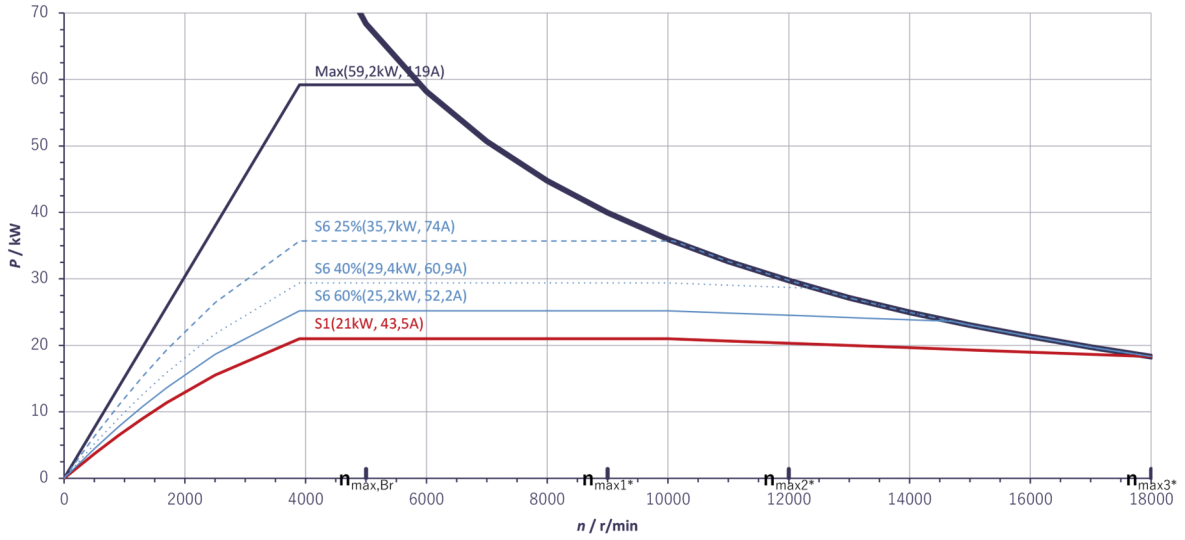


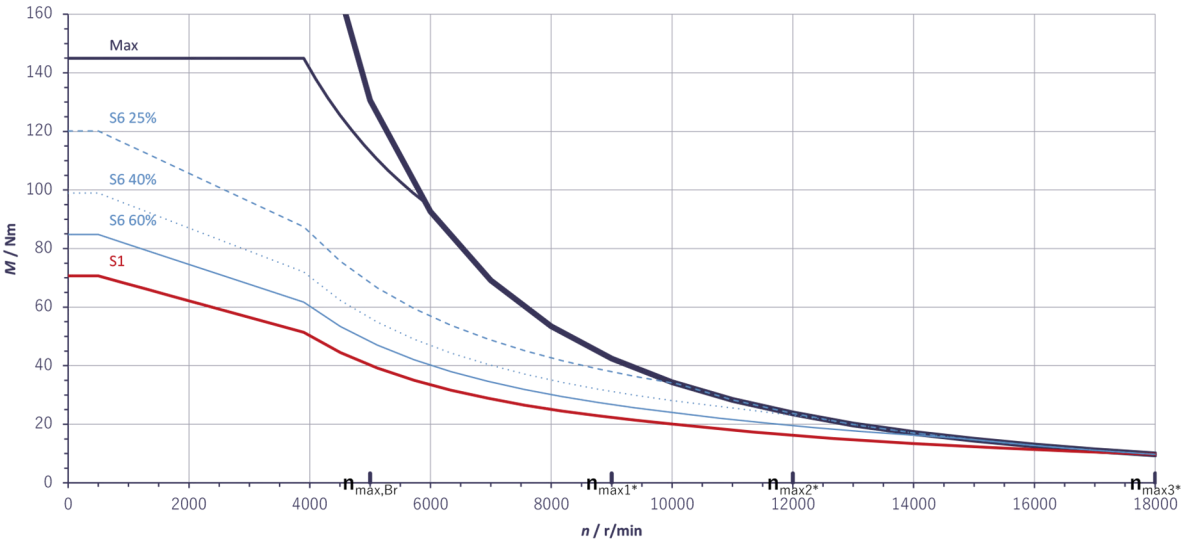


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8105-1□M2, 1PH8105-3□M2 in Star-connection

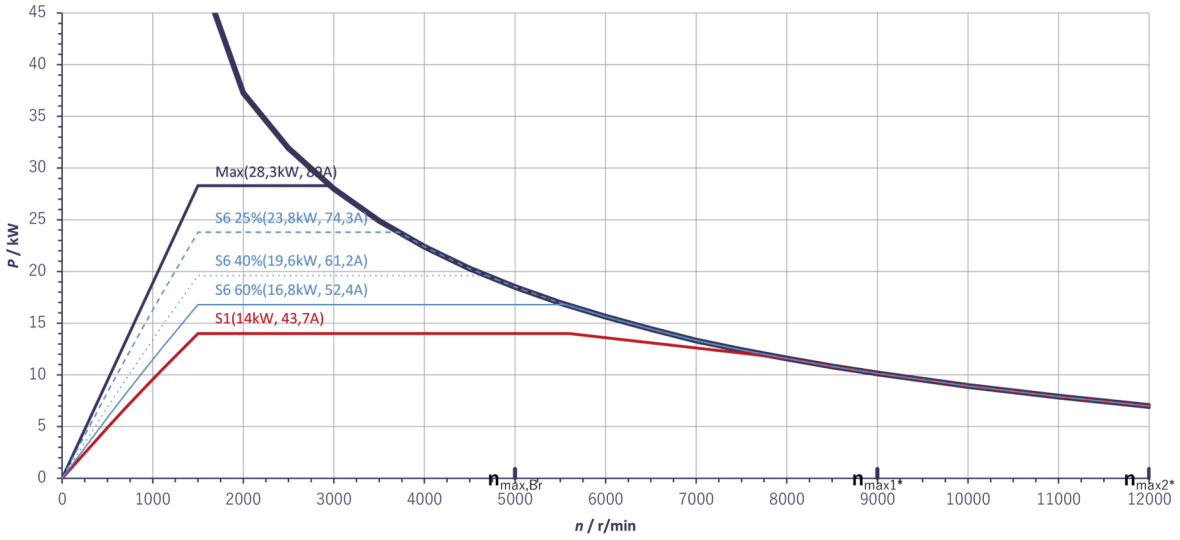
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3900	21,0	51,0	43,5	9000	12000	18000	5000	10000	145,0	119	71	52,0

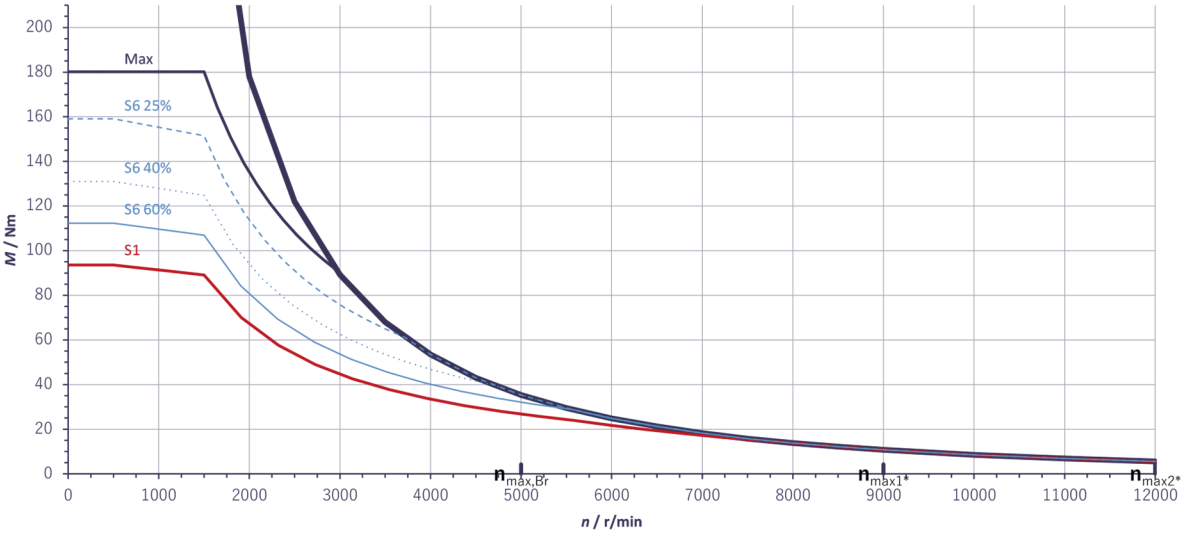




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8107-1□F2, 1PH8107-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	14,0	89,0	43,7	9000	12000	--	5000	5600	180,0	89	94	44,2

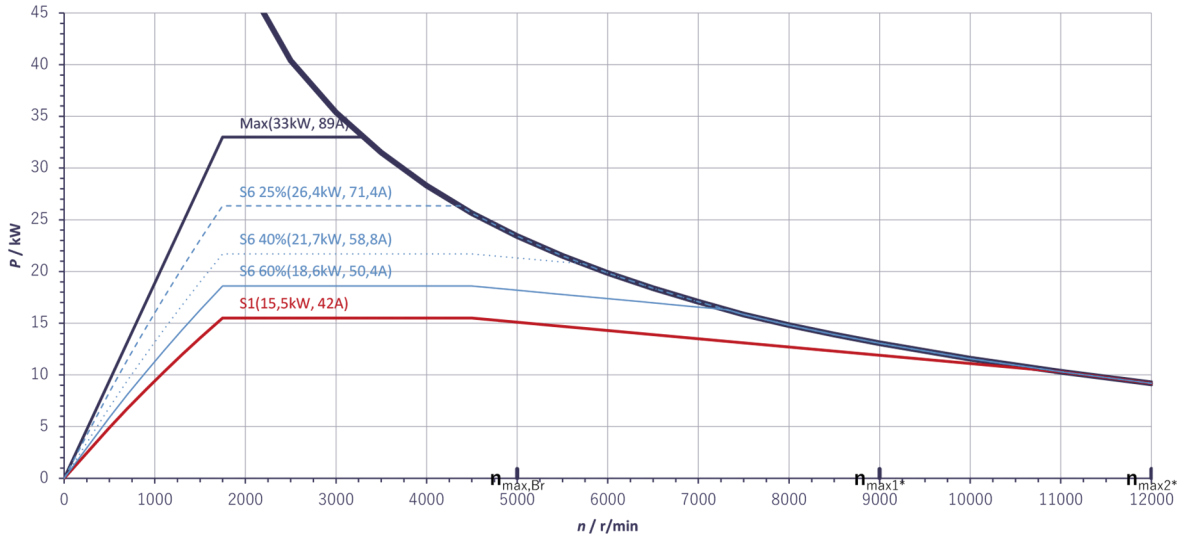


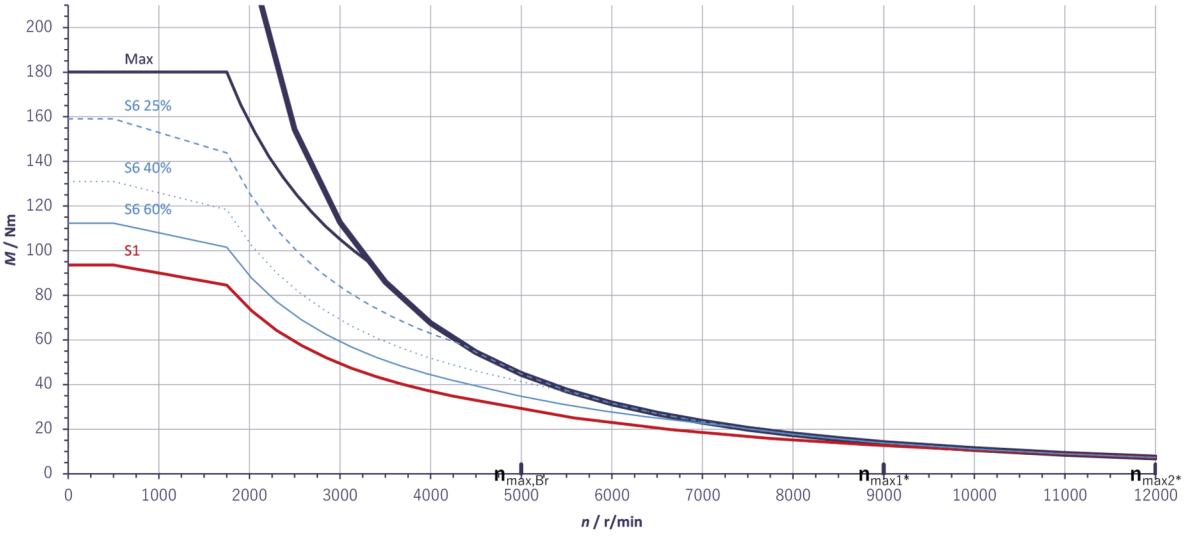


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8107-1□F2, 1PH8107-3□F2 in Star-connection

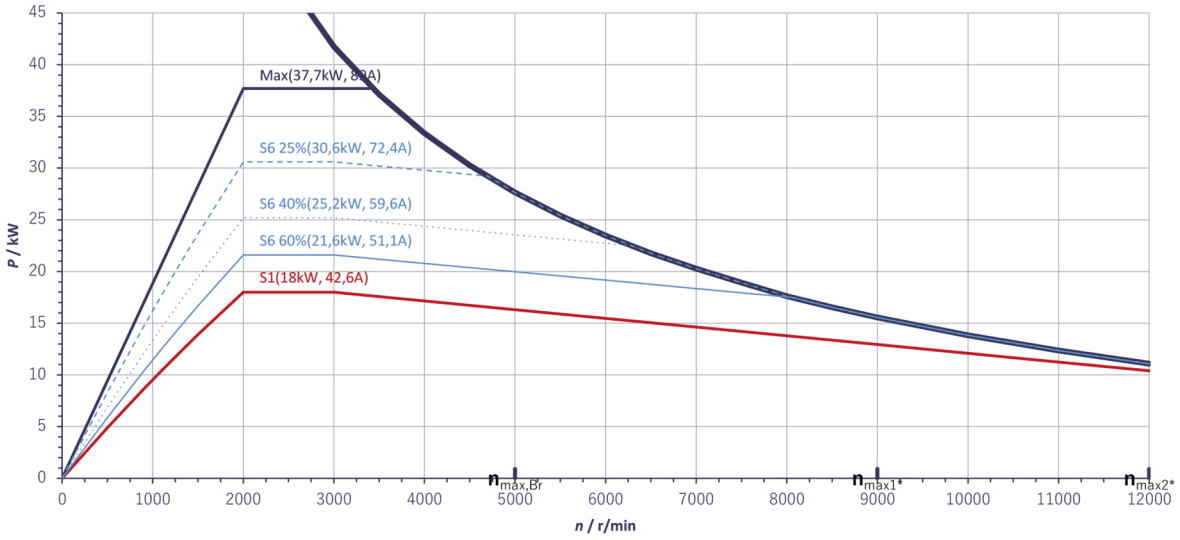
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	15,5	85,0	42,0	9000	12000	--	5000	4500	180,0	89	94	44,2
1500	14,0	89	43,7					6400				

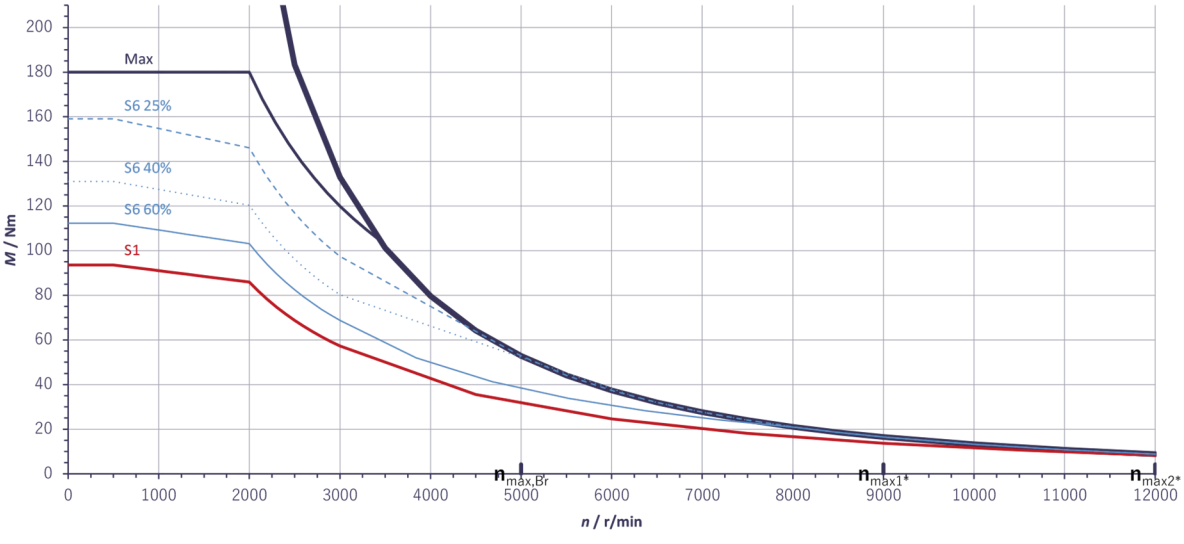




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8107-1□F2, 1PH8107-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	18,0	86,0	42,6	9000	12000	--	5000	3000	180,0	89	94	44,2

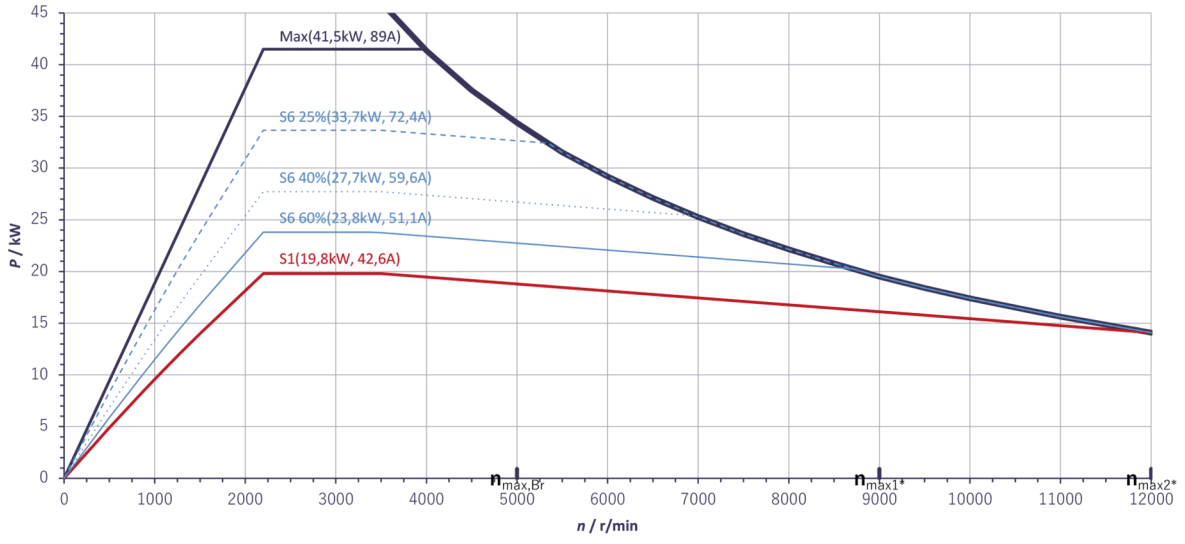


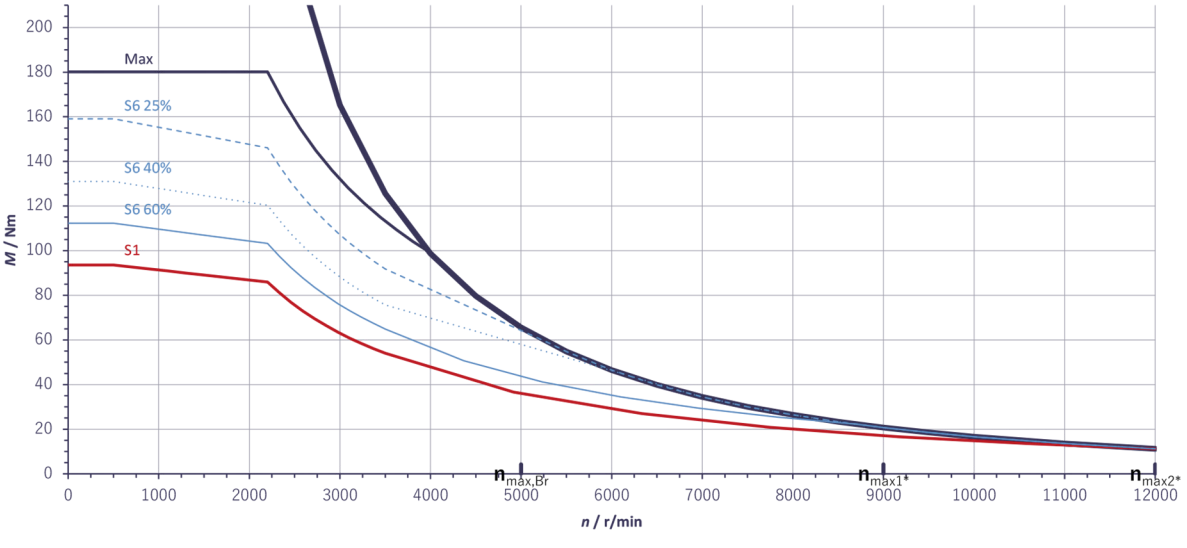


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8107-1□F2, 1PH8107-3□F2 in Star-connection

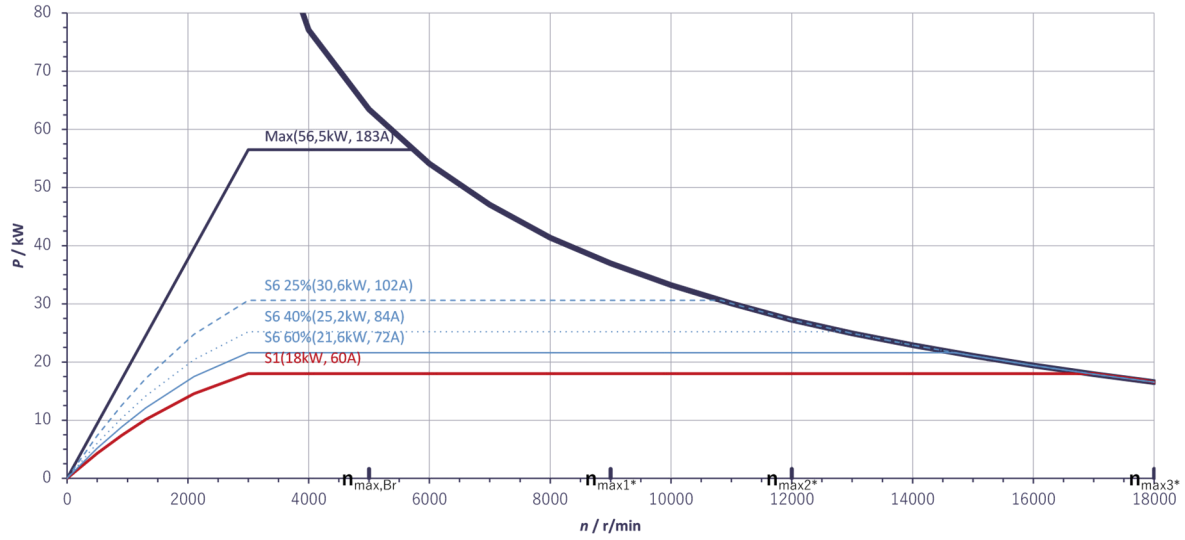
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	19,8	86,0	42,6	9000	12000	--	5000	3500	180,0	89	94	44,2

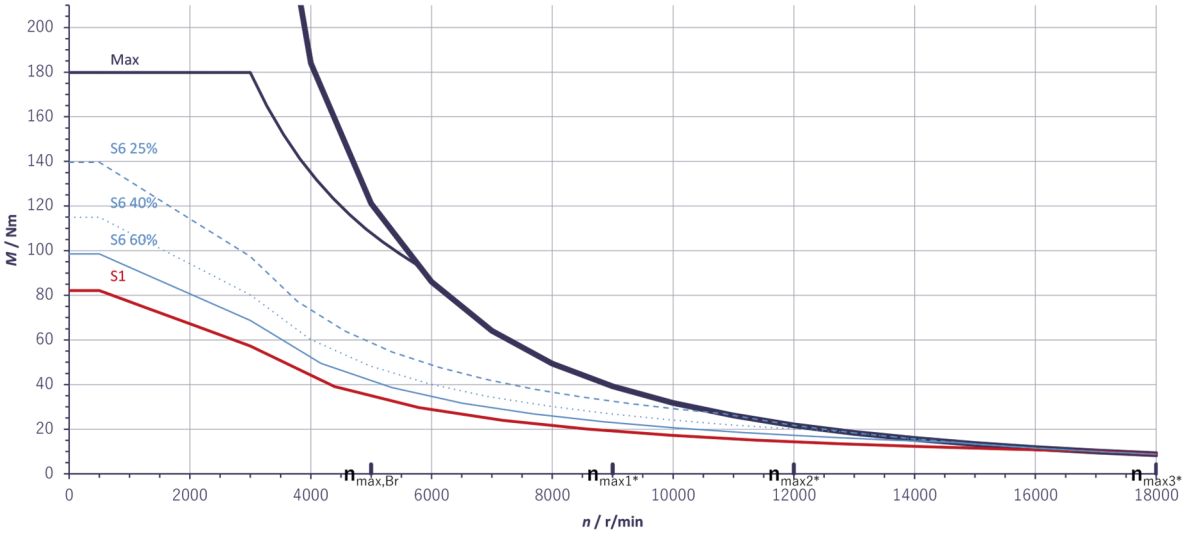




SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8107-1□M2, 1PH8107-3□M2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3000	18,0	57,0	60,0	9000	12000	18000	5000	17000	180,0	183	82	73,0

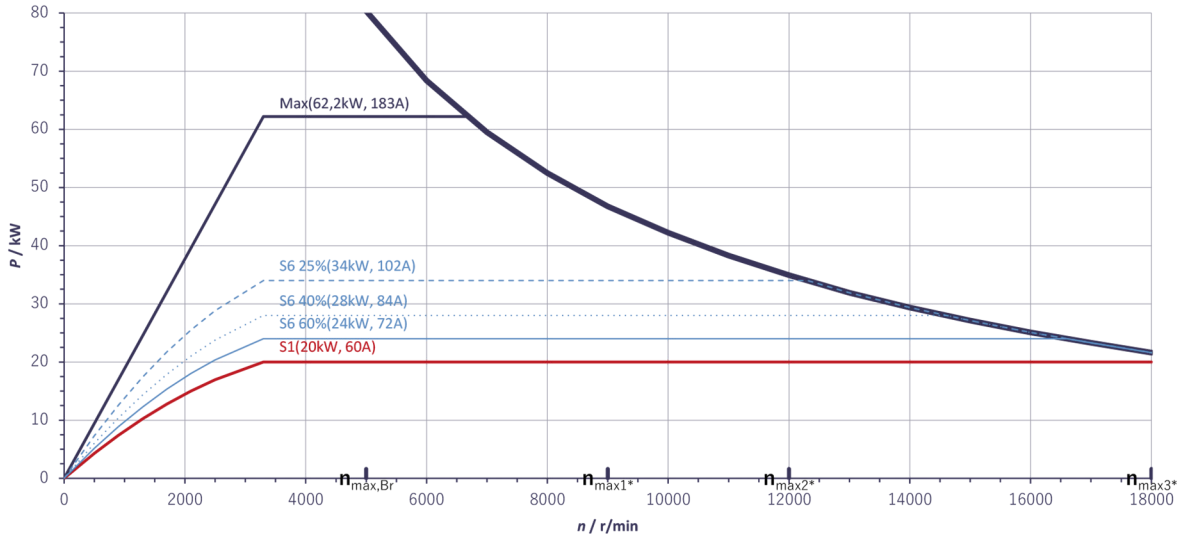


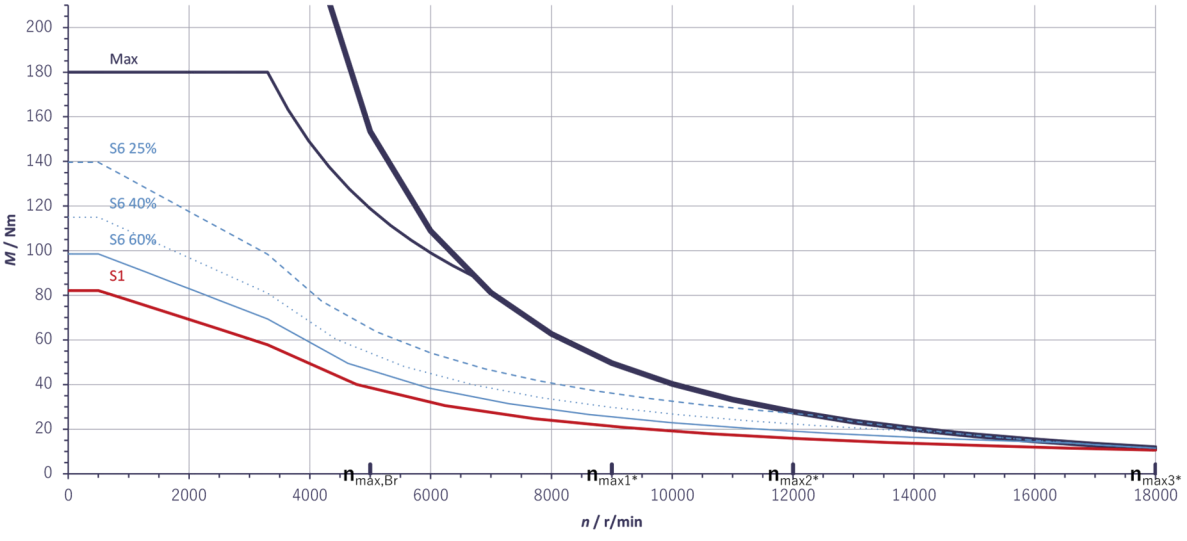


SINAMICS, 3 AC 400V, Active Line Module (ALM)

Induction motor 1PH8107-1□M2, 1PH8107-3□M2 in Star-connection

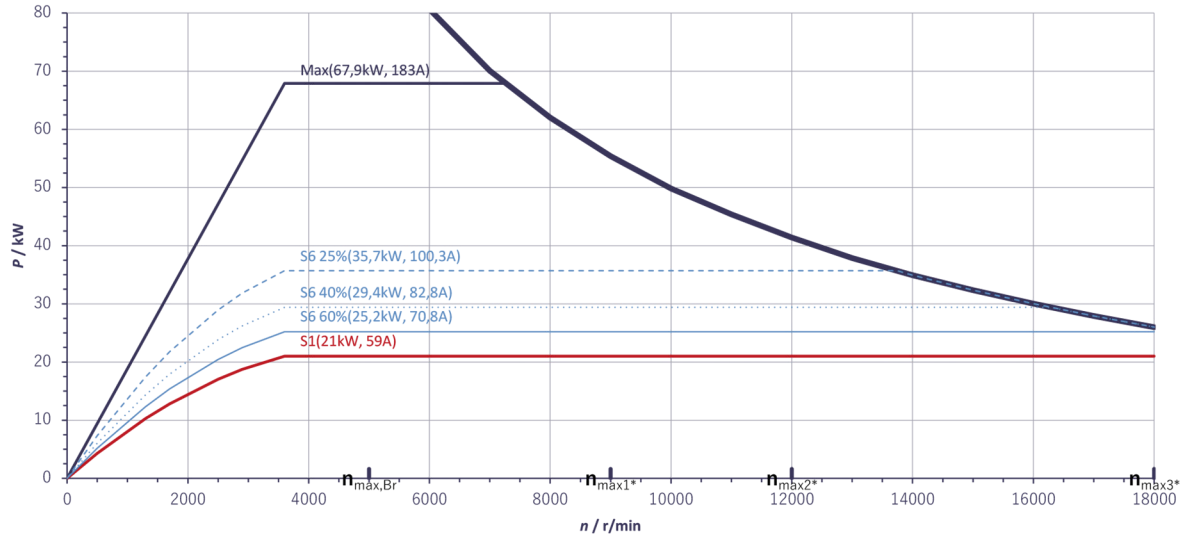
n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3300	20,0	58,0	60,0	9000	12000	18000	5000	18050	180,0	183	82	73,0
3000	18,0	57	60,0					18050				

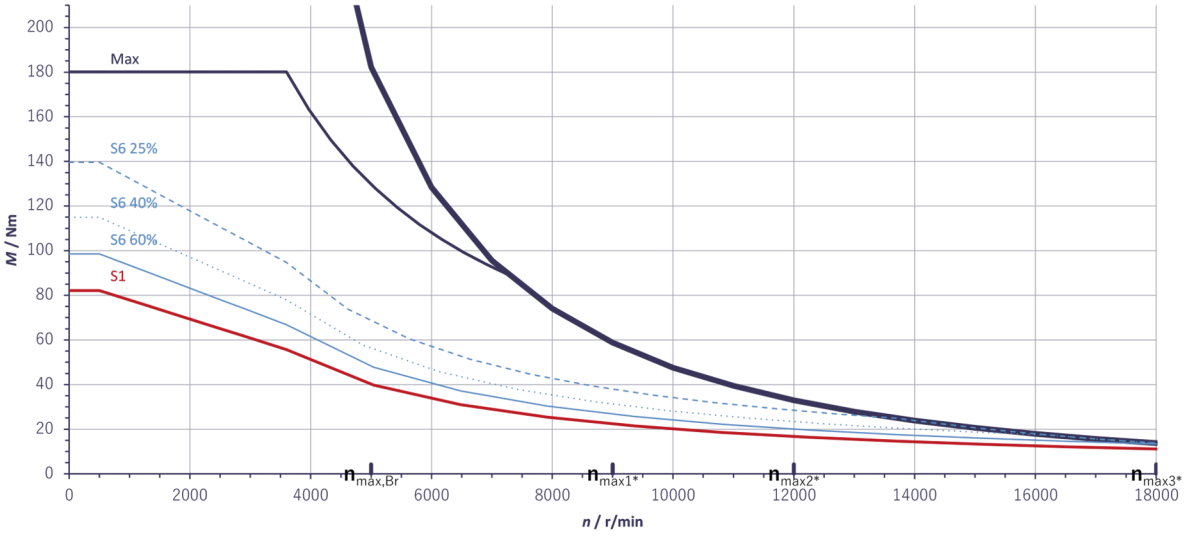




SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8107-1□M2, 1PH8107-3□M2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3600	21,0	56,0	59,0	9000	12000	18000	5000	17650	180,0	183	82	73,0

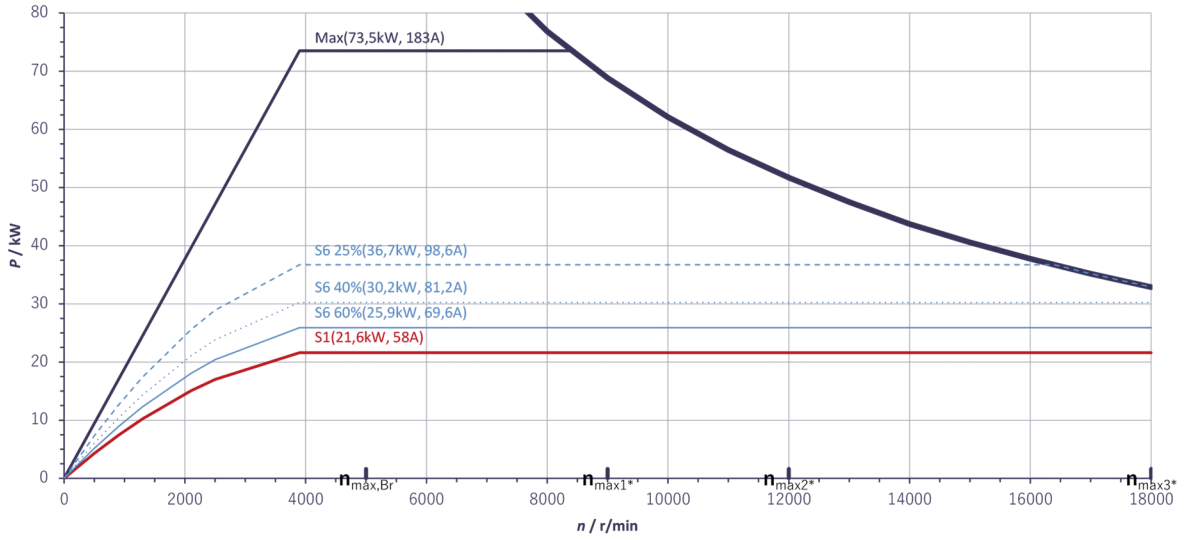


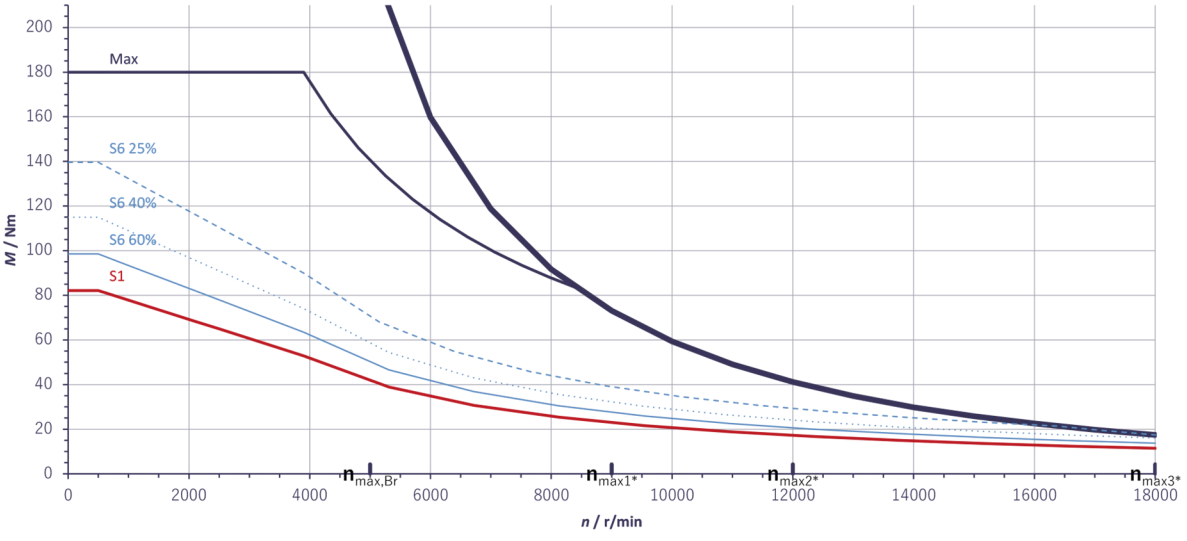


SINAMICS, 3 AC 480V, Active Line Module (ALM)

Induction motor 1PH8107-1□M2, 1PH8107-3□M2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
3900	21,6	53,0	58,0	9000	12000	18000	5000	18000	180,0	183	82	73,0





2.3.4 Shaft height 132 - water-cooled

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8131-1□F2, 1PH8131-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	15,0	96,0	30,0	8000	10000	11000	4500	2500	145,0	46	101	31,0

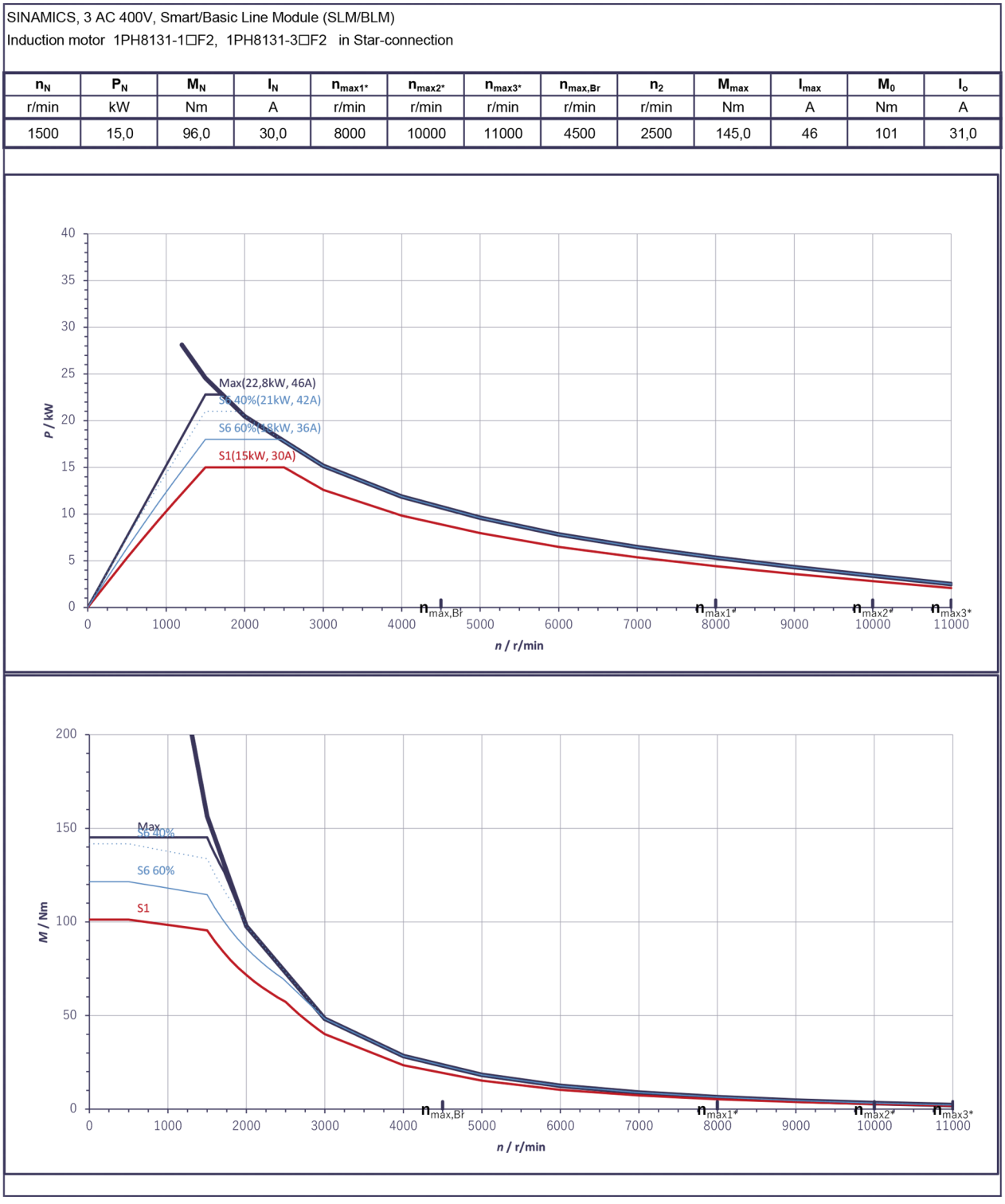


Figure 2-26 001_PD_1PH8131-1xF2_Index_ d-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8131-1□F2, 1PH8131-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	17,0	93,0	30,0	8000	10000	11000	4500	2500	145,0	46	101	31,0
1500	15,0	96	30,0					3200				

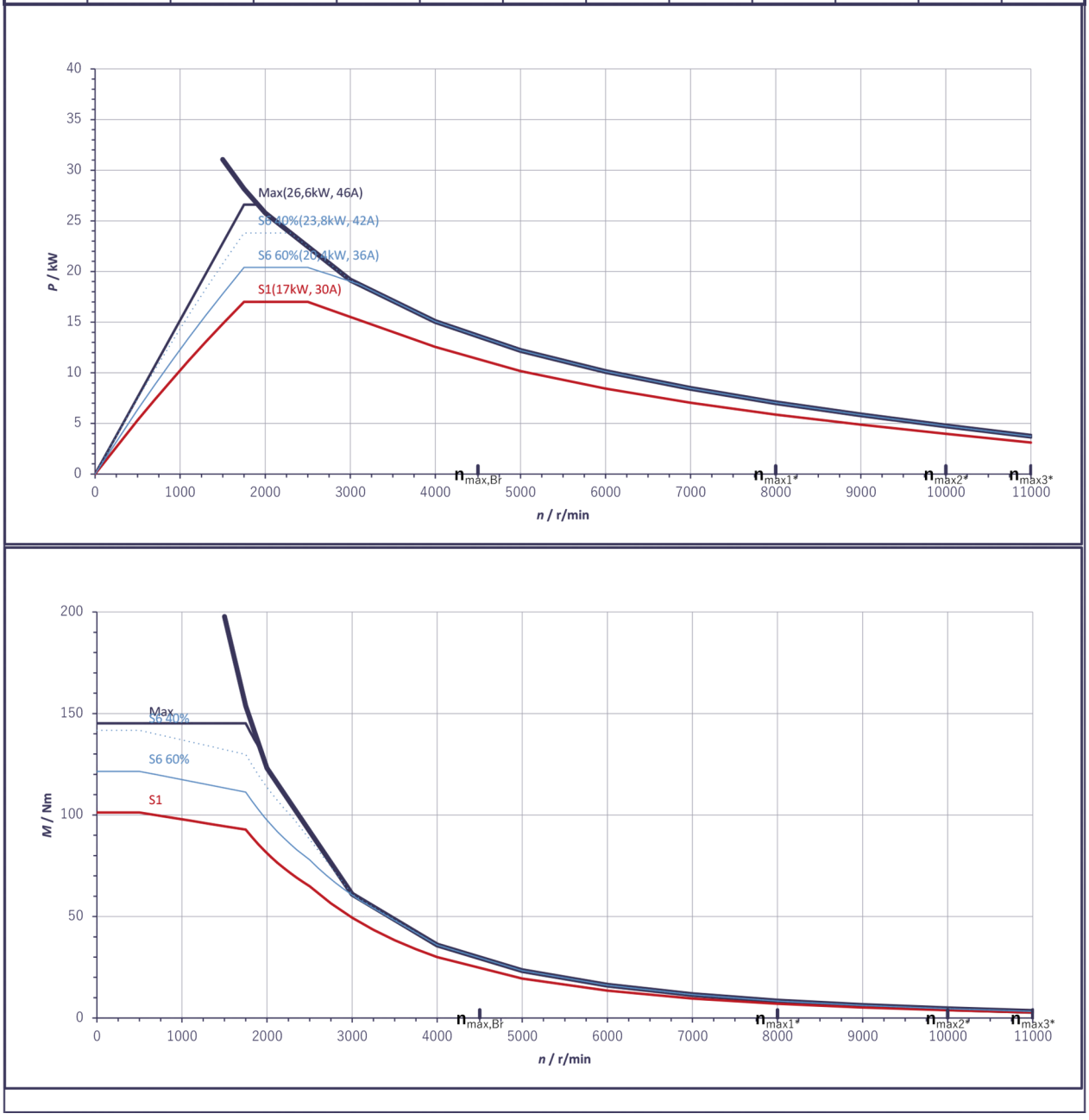


Figure 2-27 001_PD_1PH8131-1xF2_Index_ d-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8131-1□F2, 1PH8131-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	18,5	88,0	30,0	8000	10000	11000	4500	2500	145,0	46	101	31,0

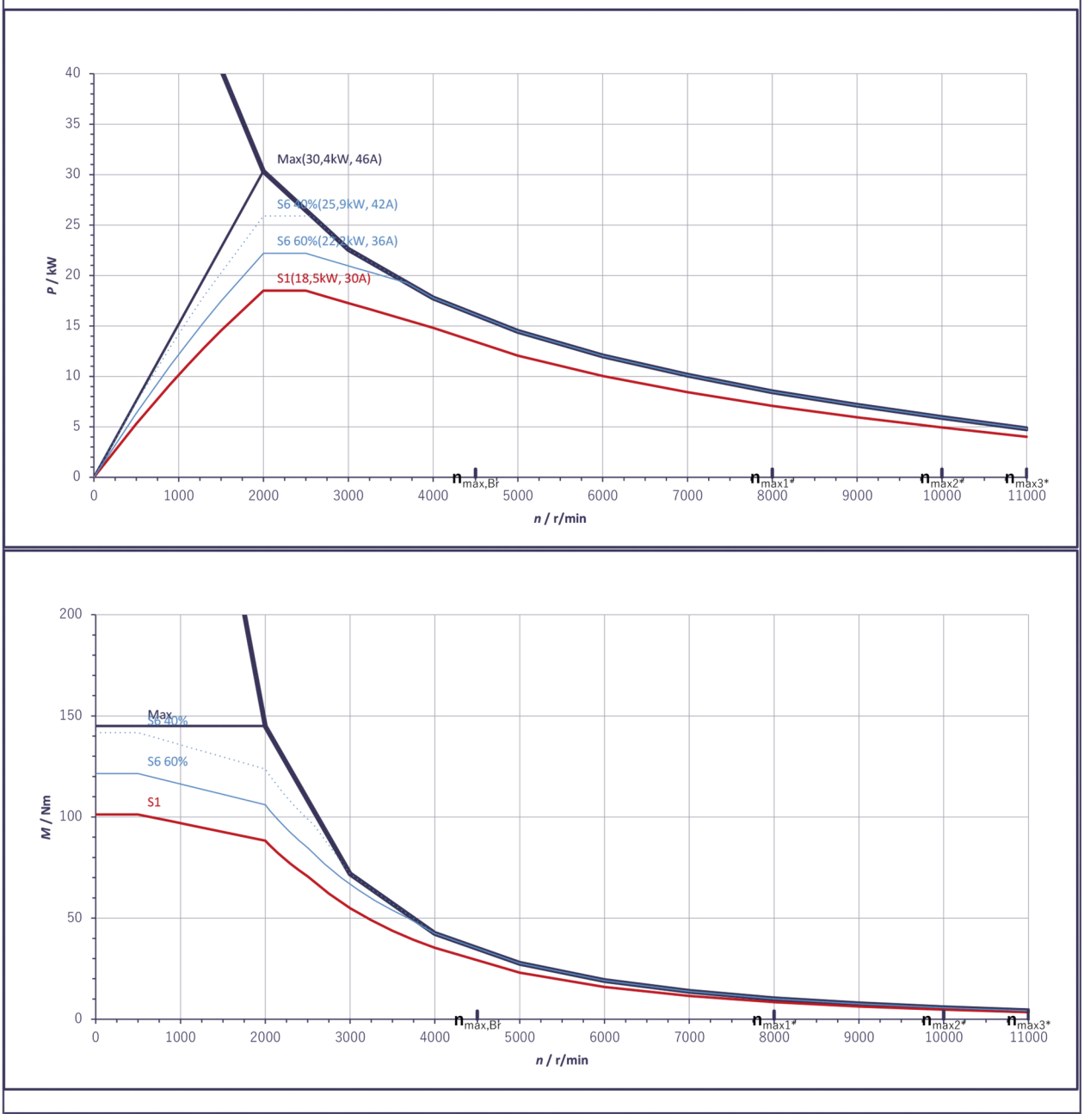


Figure 2-28 001_PD_1PH8131-1xF2_Index_ d-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8131-1□F2, 1PH8131-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	20,0	87,0	29,0	8000	10000	11000	4500	3000	145,0	46	101	31,0

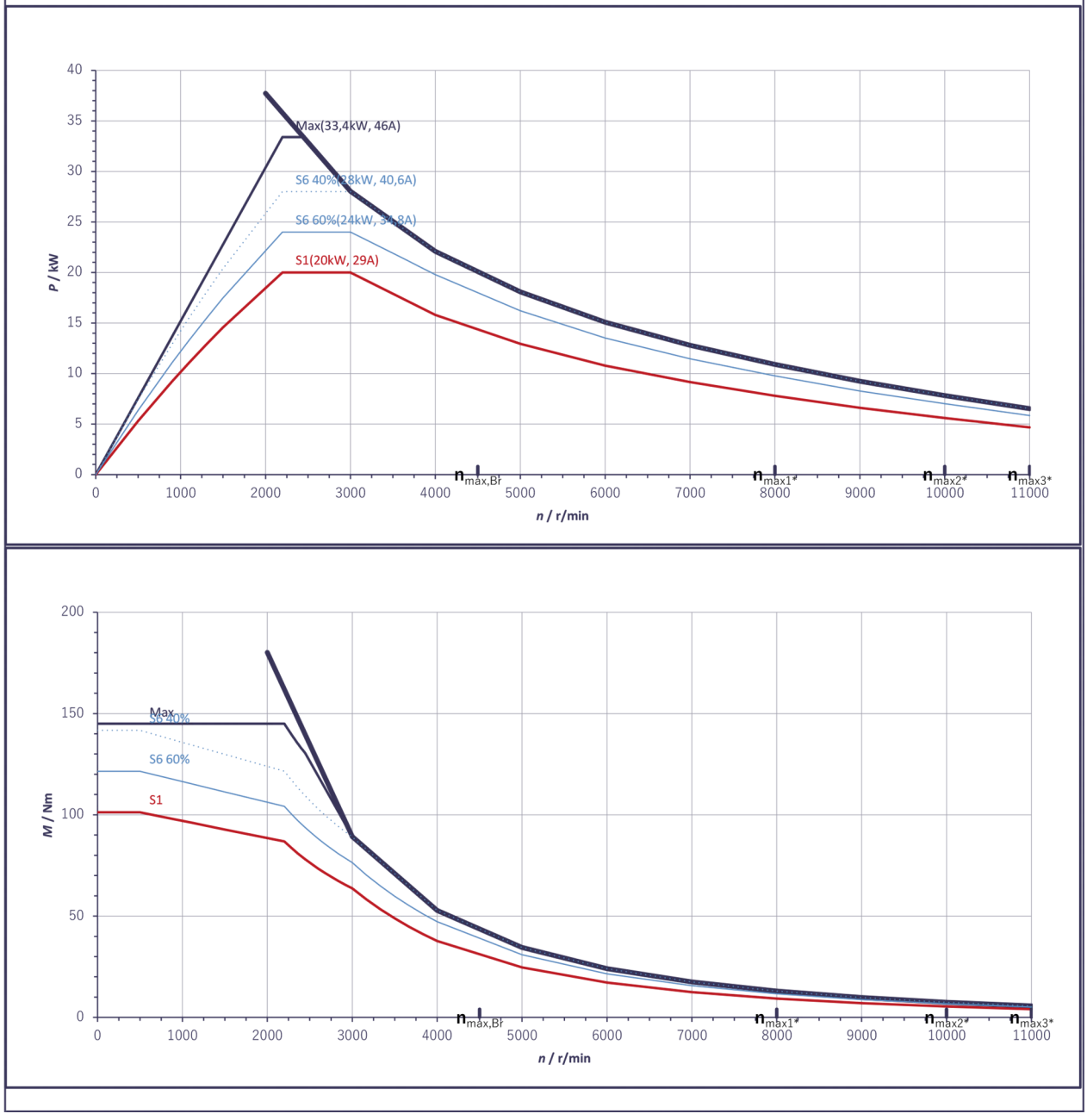


Figure 2-29 001_PD_1PH8131-1xF2_Index_ d-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8131-1□G2, 1PH8131-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	18,0	86,0	40,0	8000	10000	14000	4500	4000	200,0	93	101	44,0

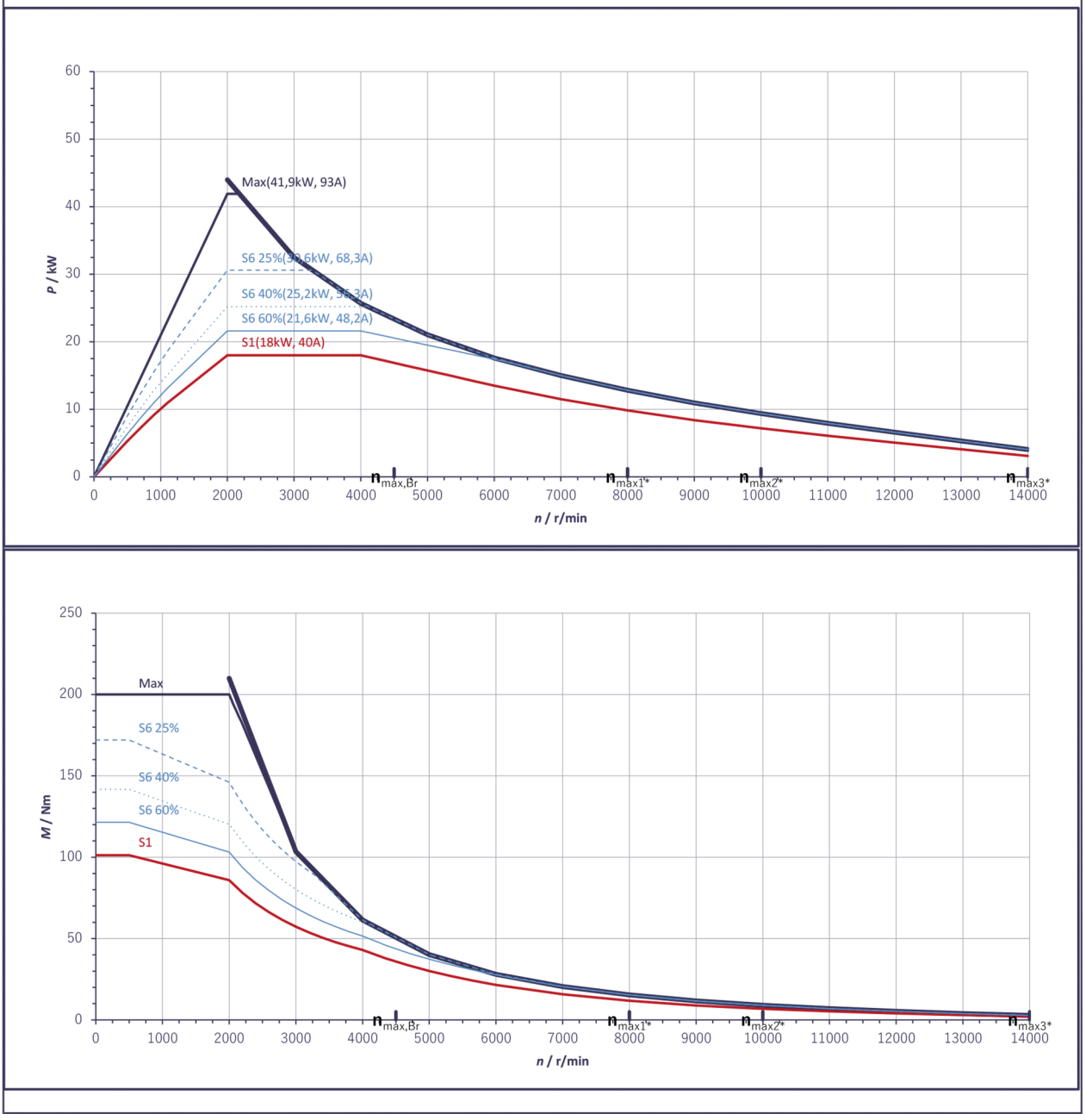
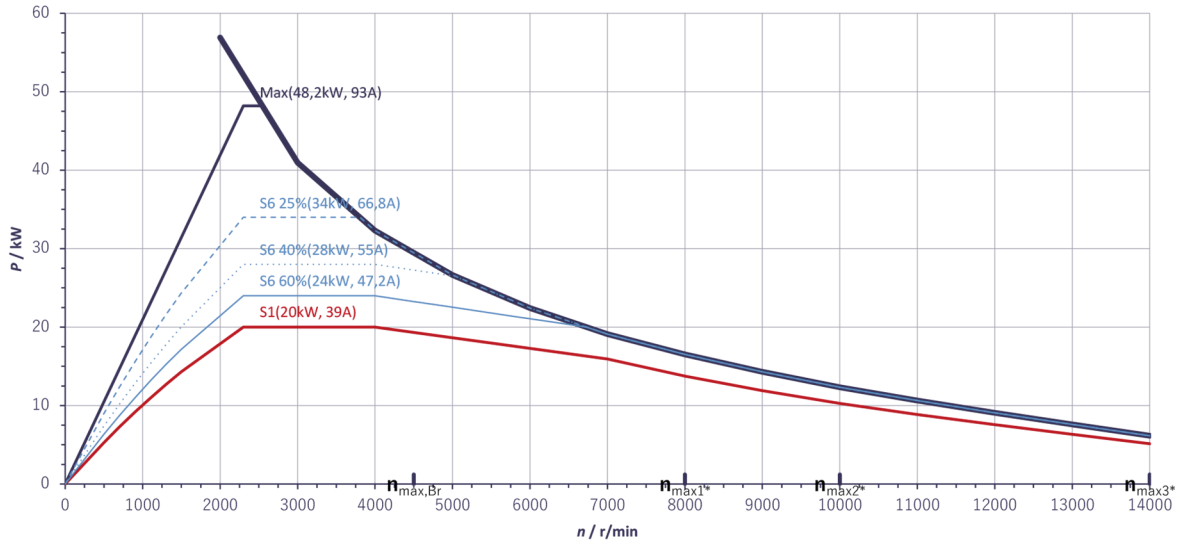


Figure 2-30 002_PD_1PH8131-1xG2_Index_ c-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8131-1□G2, 1PH8131-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	20,0	83,0	39,0	8000	10000	14000	4500	4000	200,0	93	101	44,0
2000	18,0	86	40,0					5500				



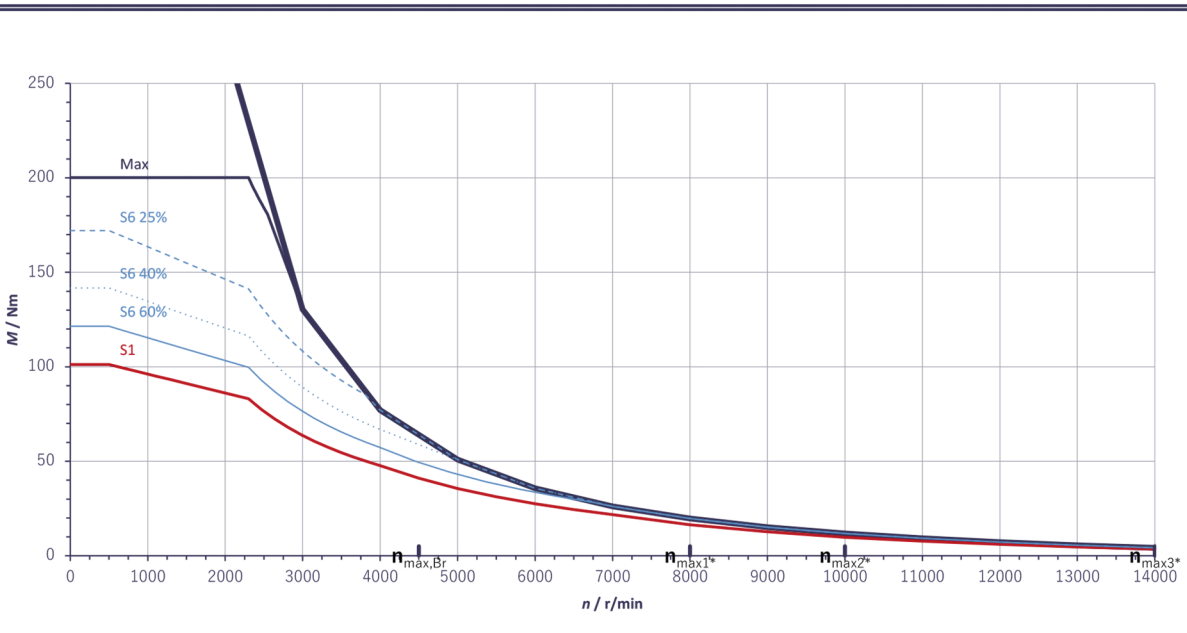


Figure 2-31 002_PD_1PH8131-1xG2_Index_ c-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8131-1□G2, 1PH8131-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	23,0	83,0	39,0	8000	10000	14000	4500	4500	200,0	93	101	44,0

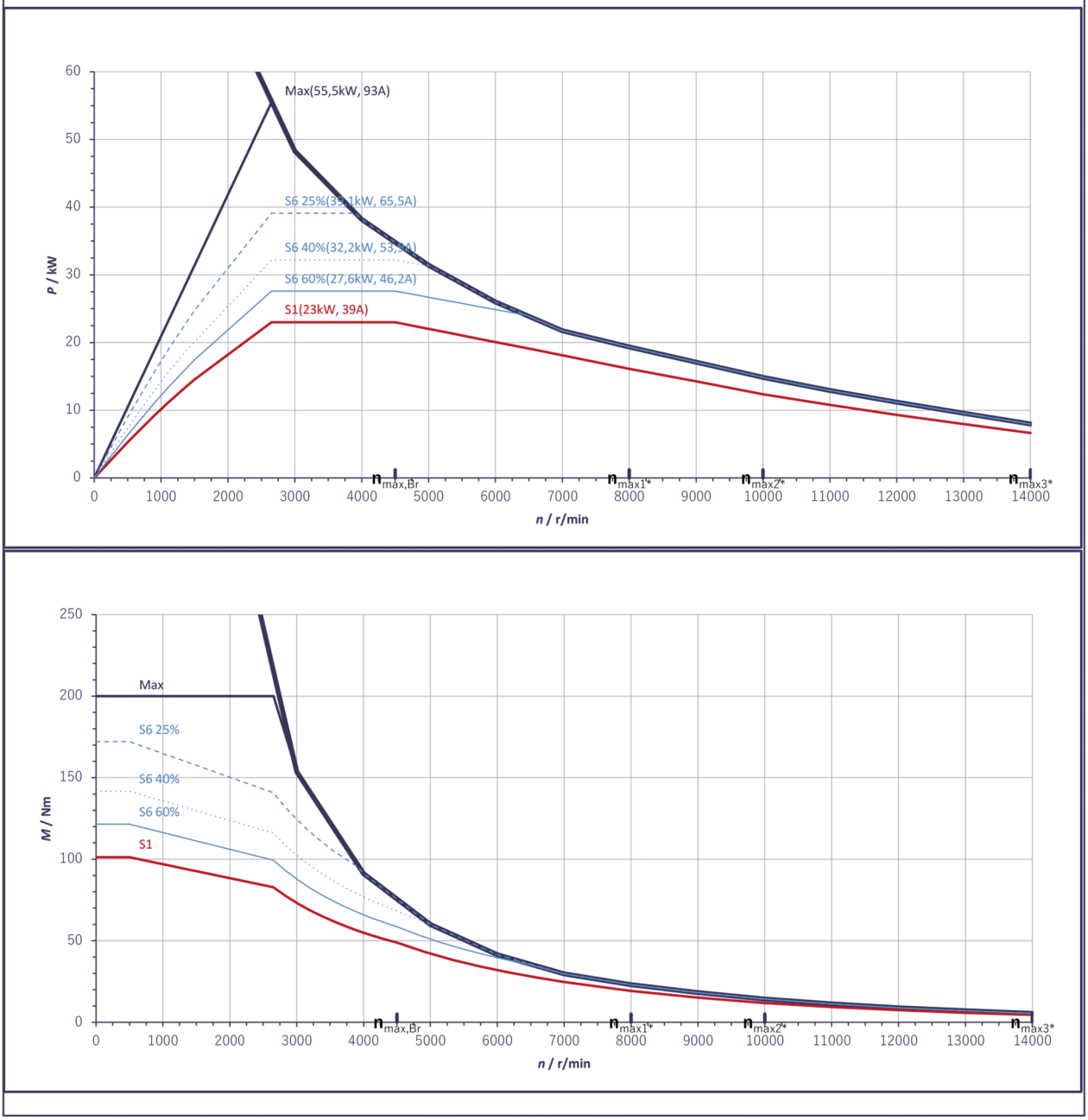


Figure 2-32 002_PD_1PH8131-1xG2_Index_ c-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8131-1□G2, 1PH8131-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	24,0	82,0	39,0	8000	10000	14000	4500	6000	200,0	93	101	44,0

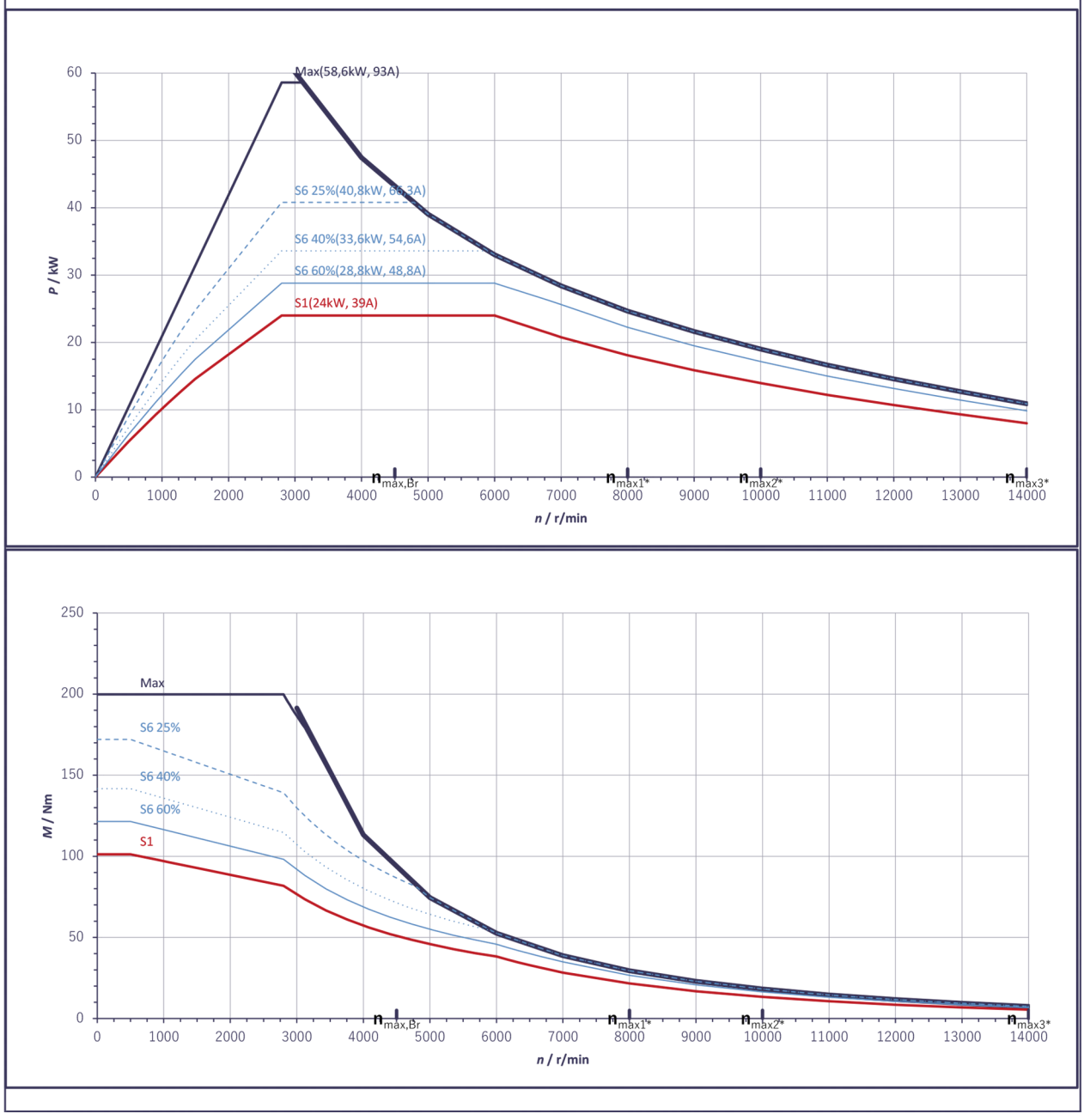


Figure 2-33 002_PD_1PH8131-1xG2_Index_ c-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8133-1□F2, 1PH8133-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	17,0	108,0	38,0	8000	10000	13000	4500	3500	240,0	85	136	45,0

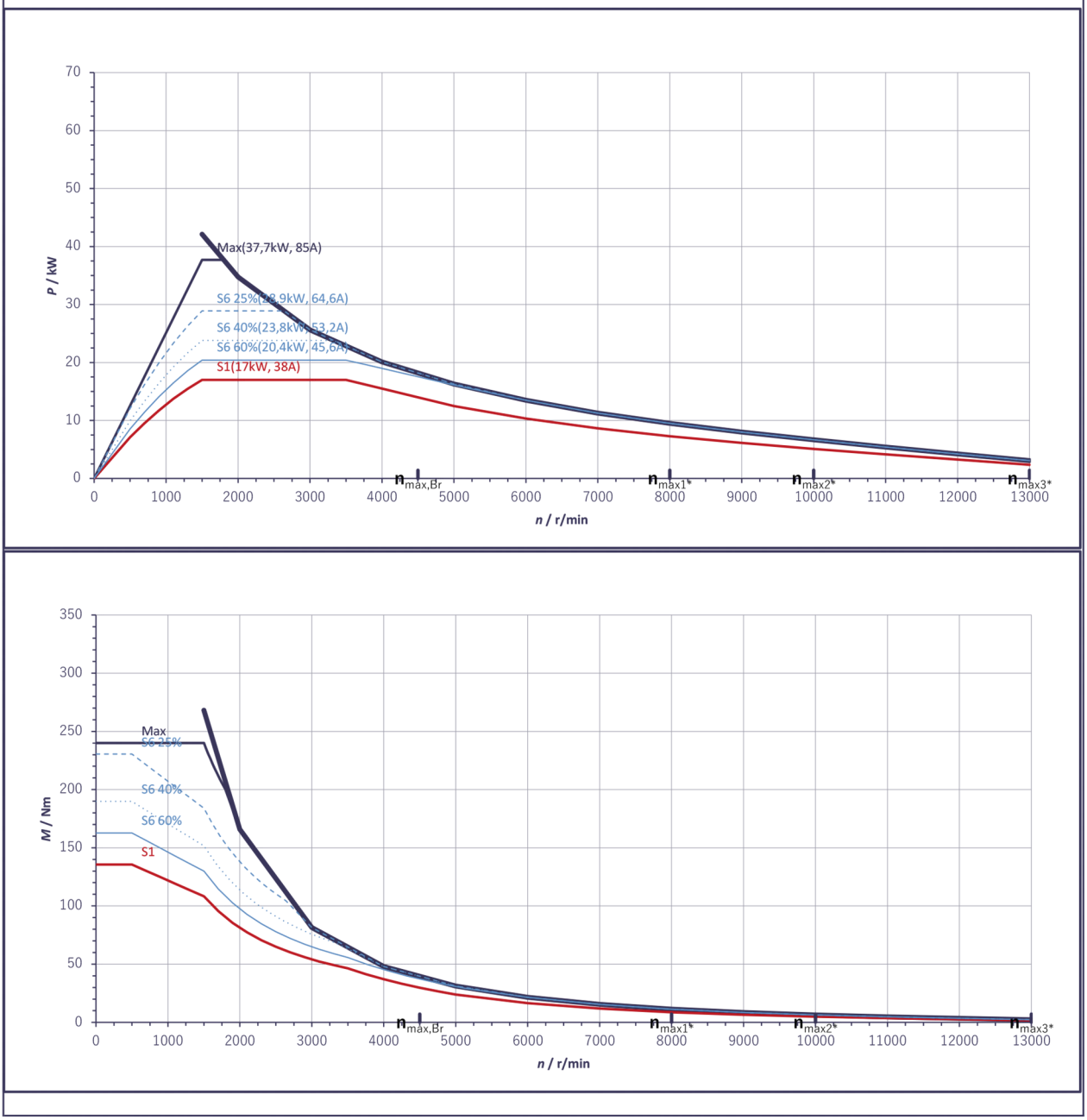


Figure 2-34 003_PD_1PH8133-1xF2_Index_ c-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8133-1□F2, 1PH8133-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	19,5	106,0	38,0	8000	10000	13000	4500	3500	240,0	85	136	45,0
1500	17,0	108	38,0					4500				

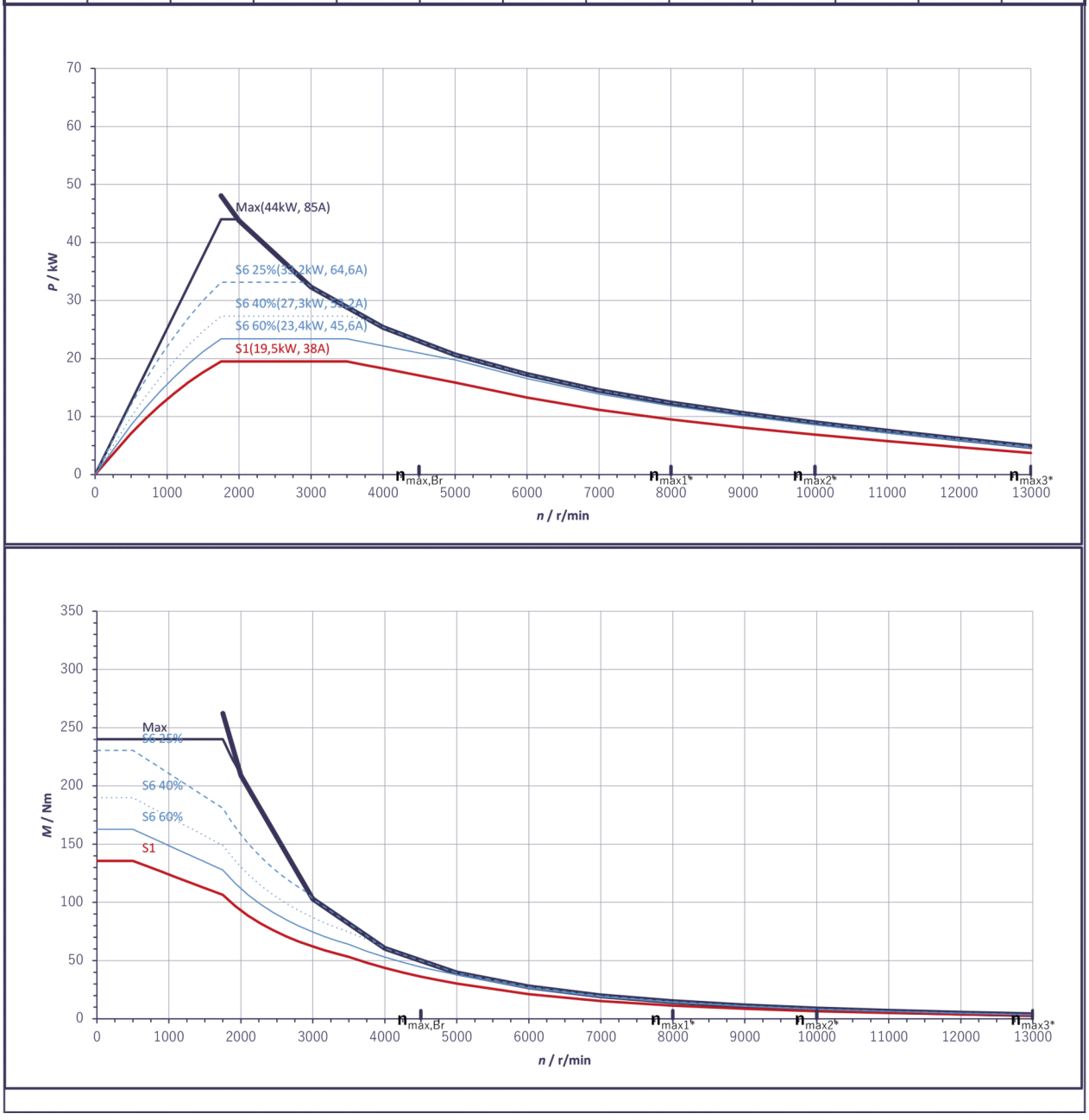


Figure 2-35 003_PD_1PH8133-1xF2_Index_ c-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8133-1□F2, 1PH8133-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	22,5	107,0	38,0	8000	10000	13000	4500	4000	240,0	85	136	45,0

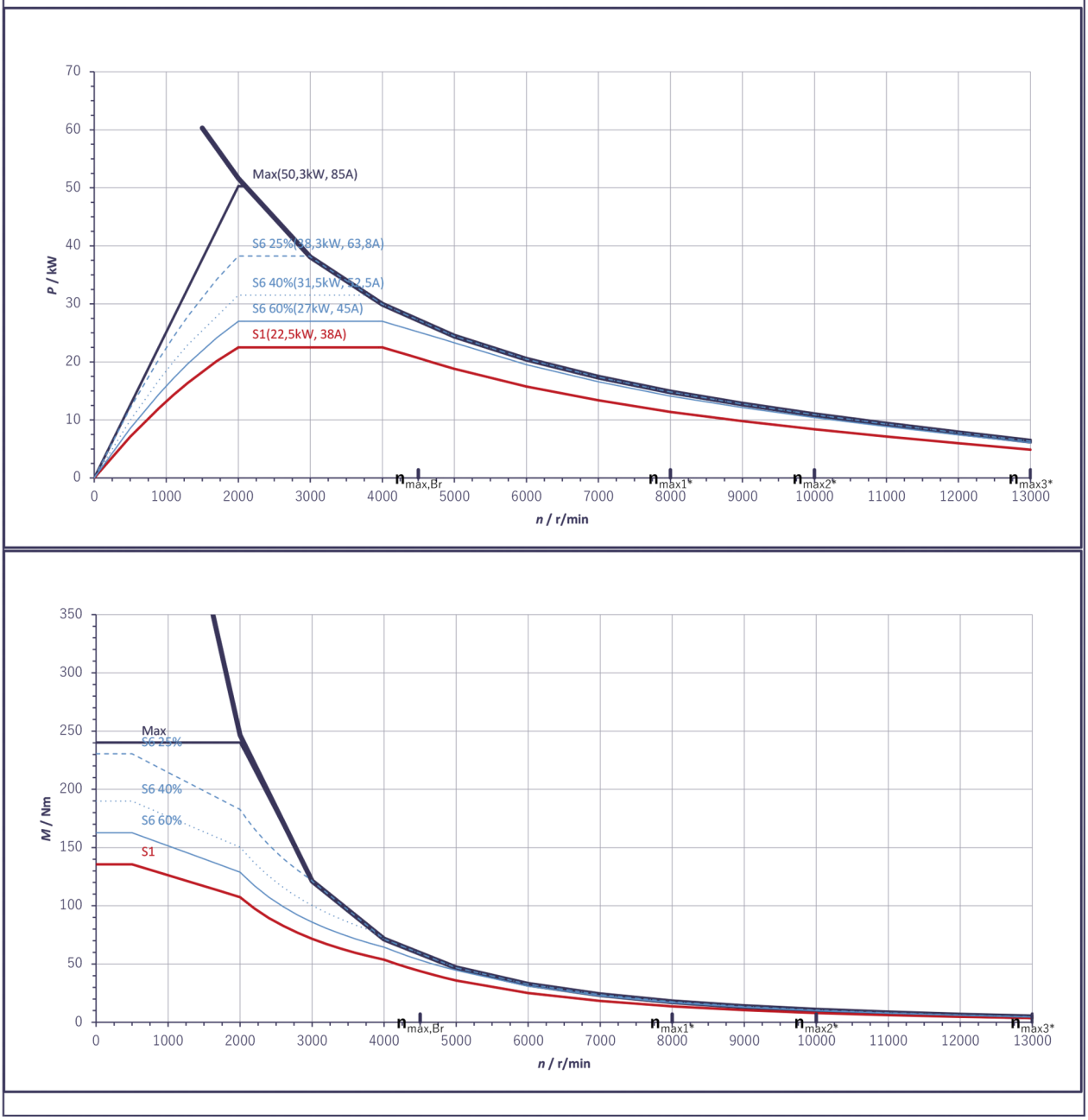


Figure 2-36 003_PD_1PH8133-1xF2_Index_ c-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8133-1□F2, 1PH8133-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	24,0	104,0	37,0	8000	10000	13000	4500	4500	240,0	85	136	45,0

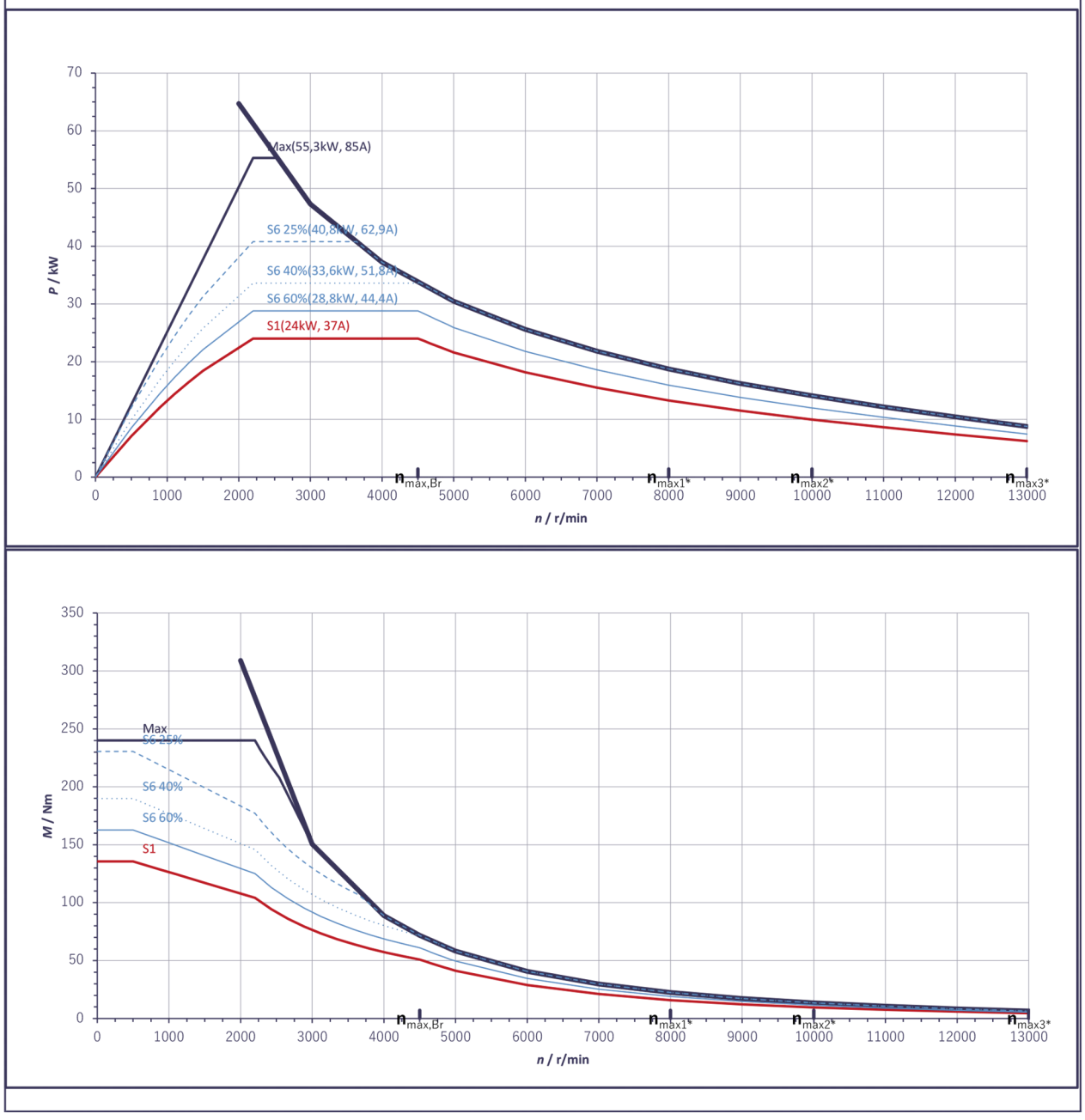


Figure 2-37 003_PD_1PH8133-1xF2_Index_ c-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8133-1□G2, 1PH8133-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	22,0	105,0	52,0	8000	10000	15000	4500	5000	260,0	129	134	61,0

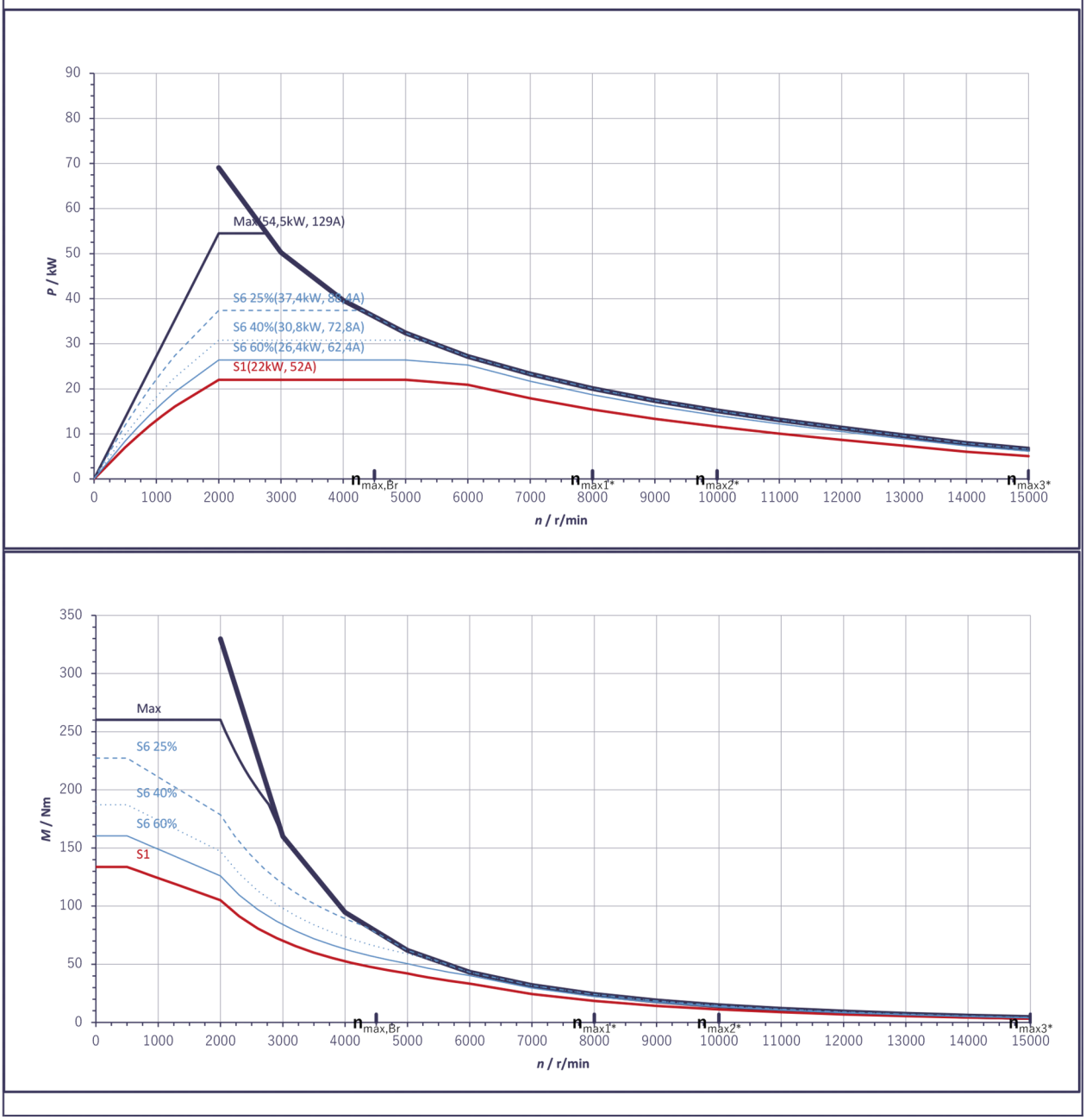
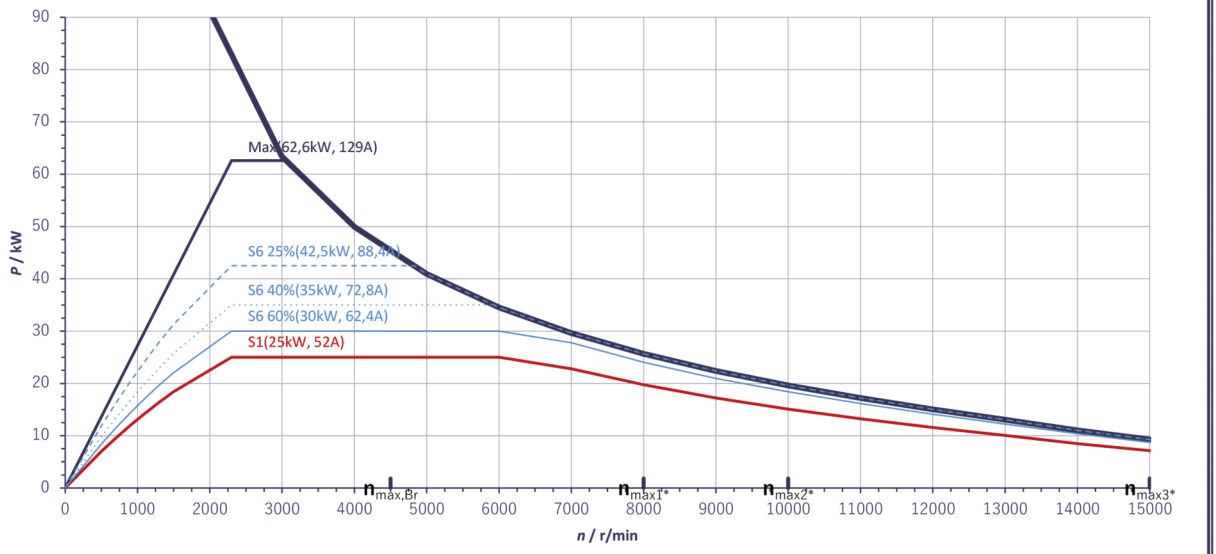


Figure 2-38 004_PD_1PH8133-1xG2_Index_ b-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8133-1□G2, 1PH8133-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	25,0	104,0	52,0	8000	10000	15000	4500	6000	260,0	129	134	61,0
2000	22,0	105	52,0					7000				



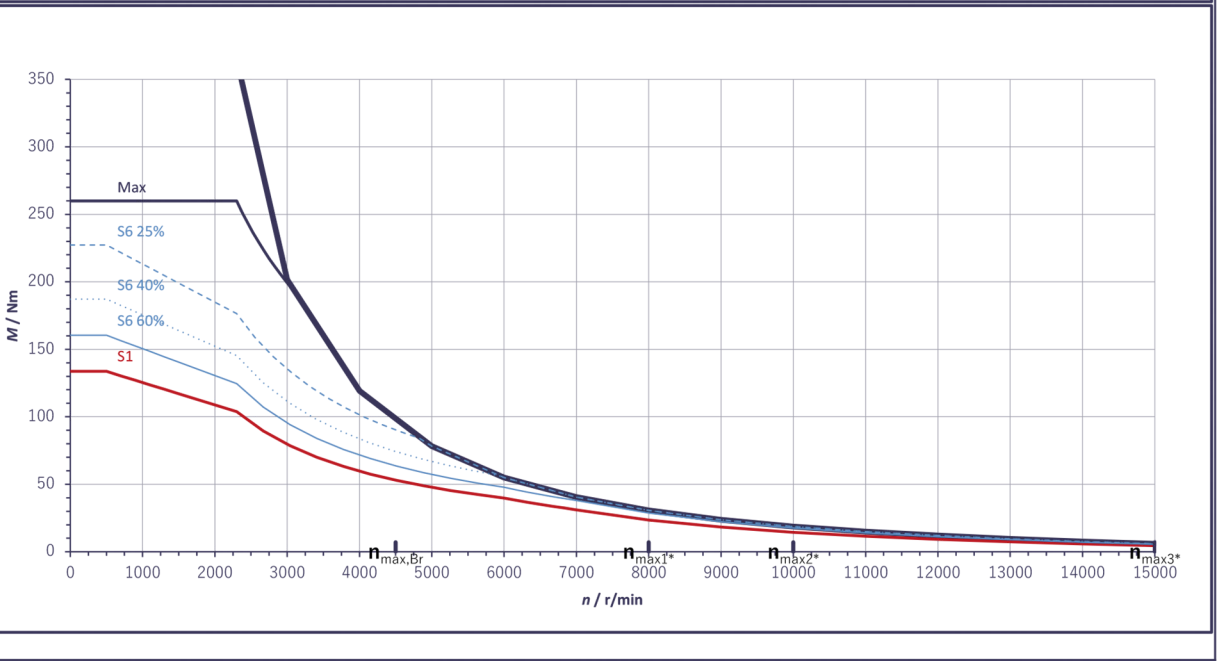


Figure 2-39 004_PD_1PH8133-1xG2_Index_ b-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8133-1□G2, 1PH8133-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	28,0	101,0	50,0	8000	10000	15000	4500	6000	260,0	129	134	61,0

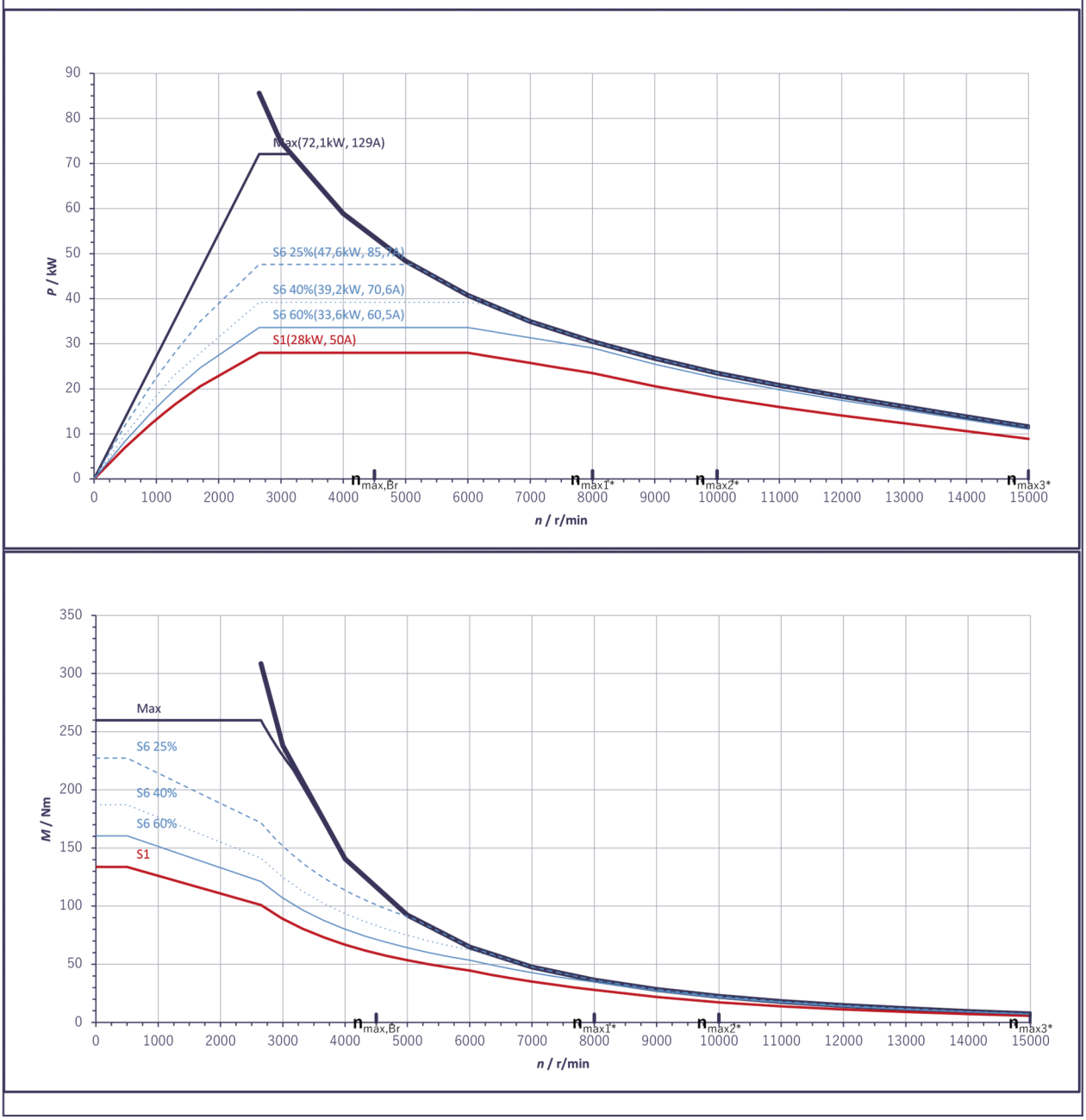


Figure 2-40 004_PD_1PH8133-1xG2_Index_ b-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8133-1□G2, 1PH8133-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	29,0	99,0	50,0	8000	10000	15000	4500	6000	260,0	129	134	61,0

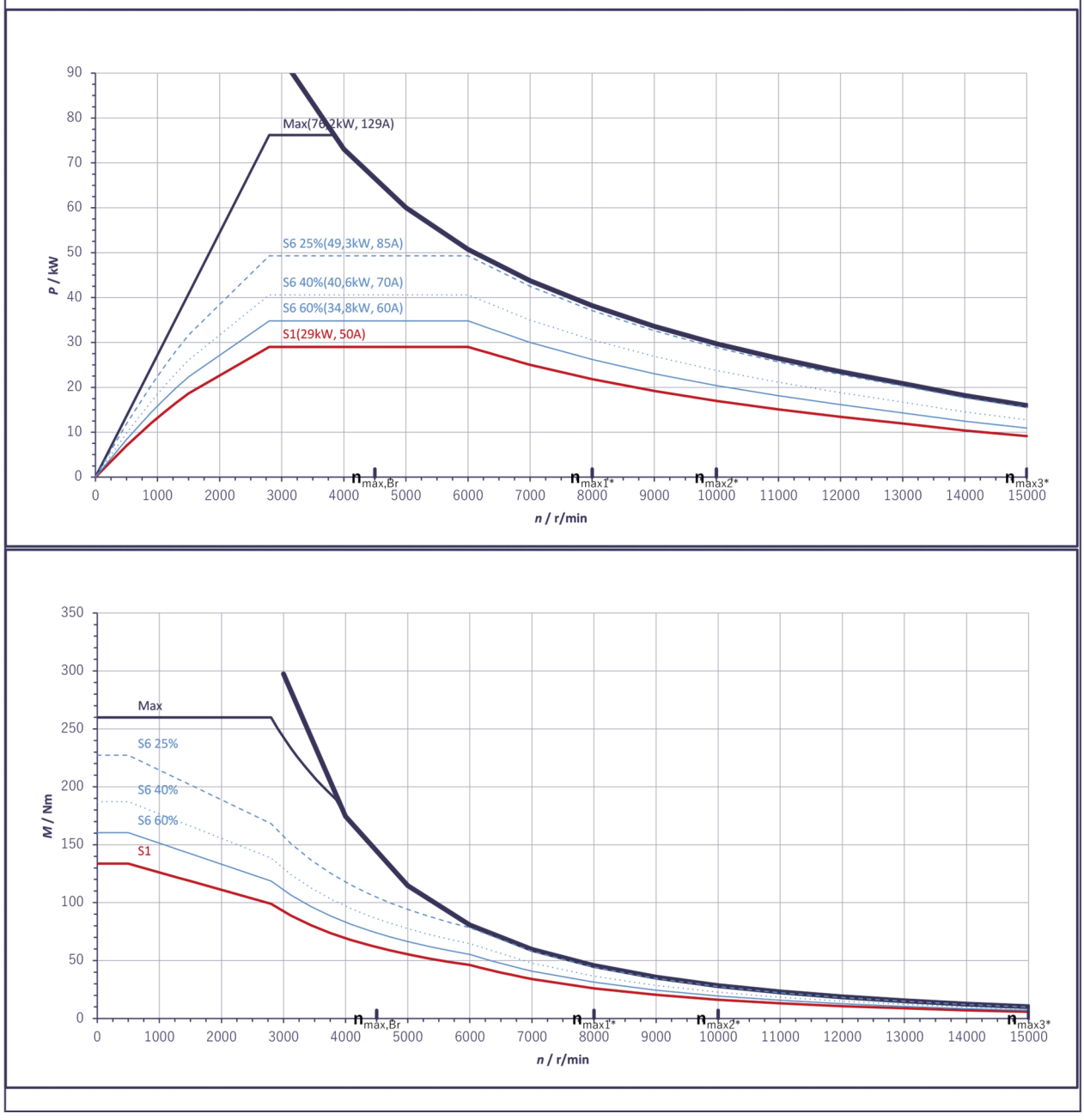


Figure 2-41 004_PD_1PH8133-1xG2_Index_ b-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8135-1□F2, 1PH8135-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	22,0	140,0	51,0	8000	10000	14000	4500	4000	320,0	117	172	58,0

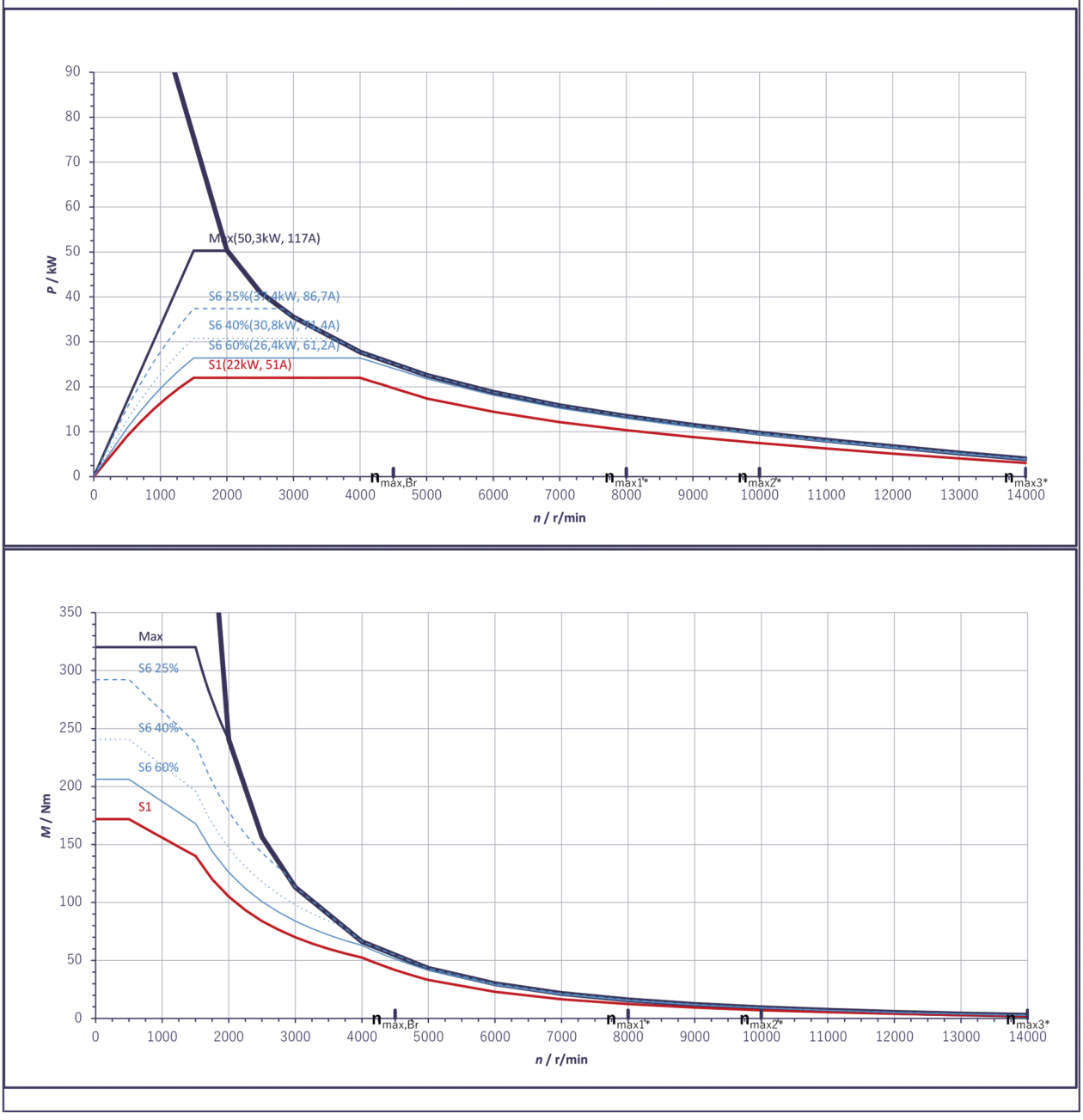


Figure 2-42 005_PD_1PH8135-1xF2_Index_ c-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8135-1□F2, 1PH8135-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	25,5	139,0	51,0	8000	10000	14000	4500	4000	320,0	117	172	58,0
1500	22,0	140	51,0					5250				

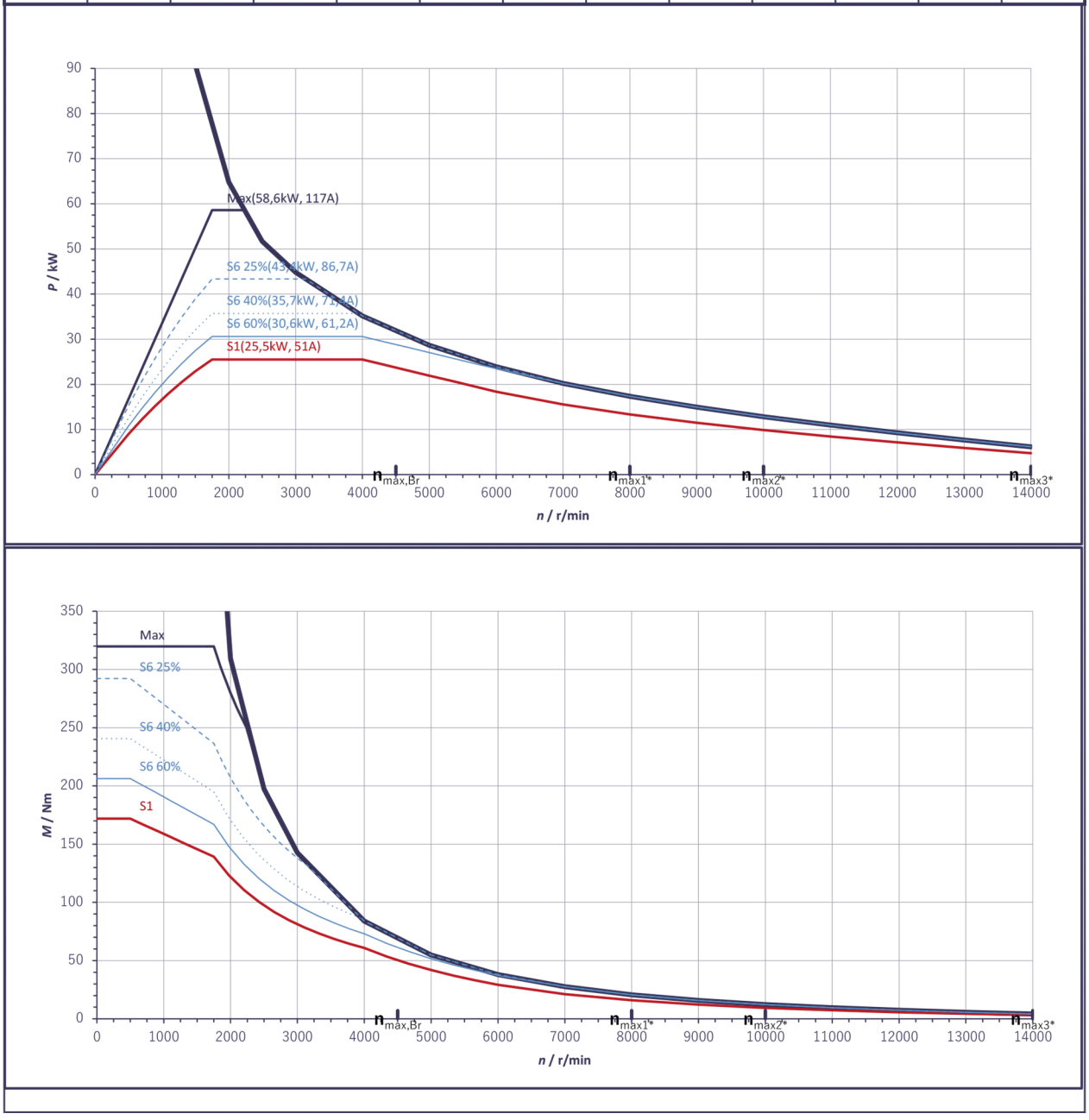


Figure 2-43 005_PD_1PH8135-1xF2_Index_ c-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8135-1□F2, 1PH8135-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	29,0	138,0	52,0	8000	10000	14000	4500	4500	320,0	117	172	58,0

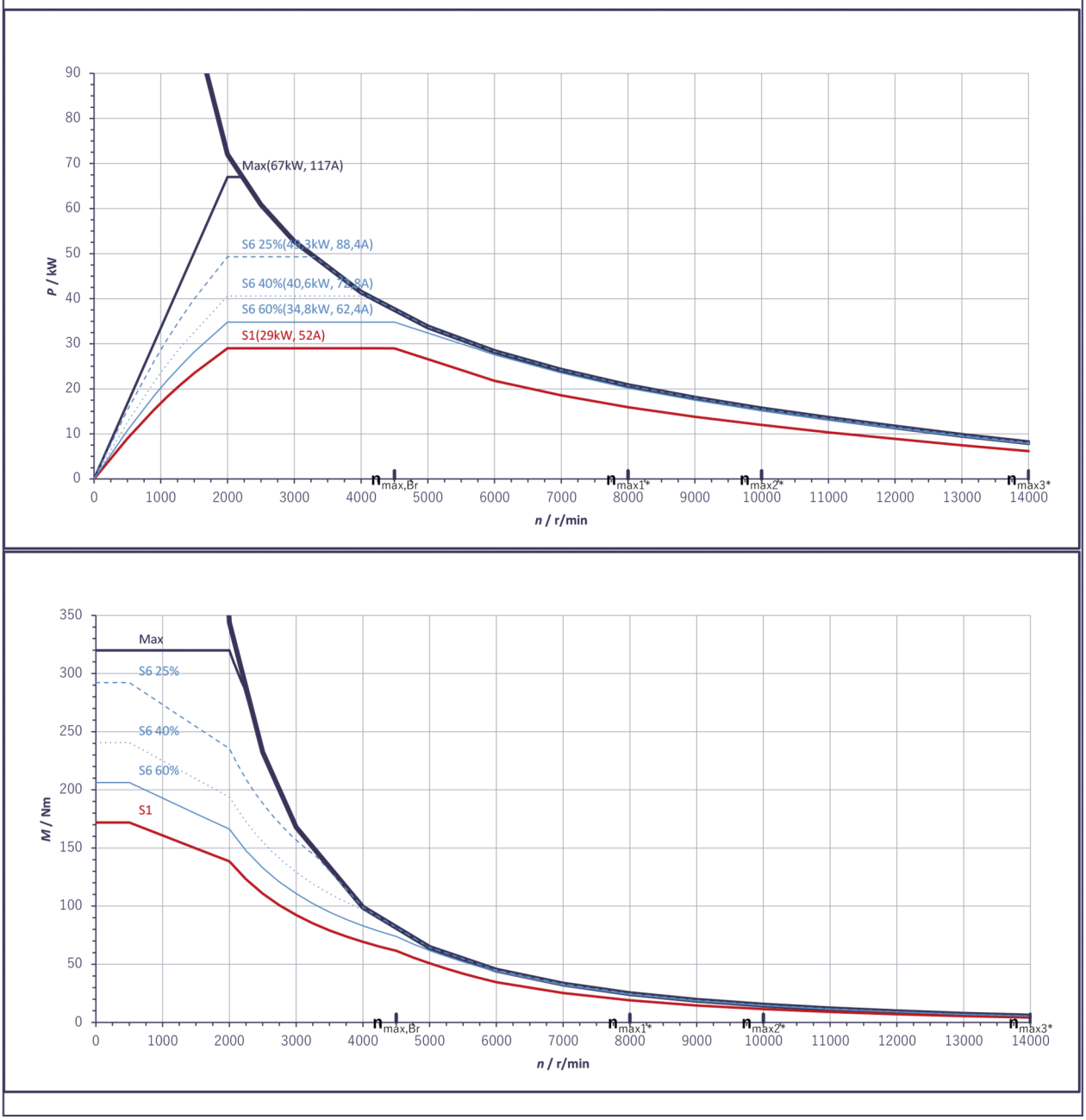


Figure 2-44 005_PD_1PH8135-1xF2_Index_ c-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8135-1□F2, 1PH8135-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	31,0	135,0	50,0	8000	10000	14000	4500	4500	320,0	117	172	58,0

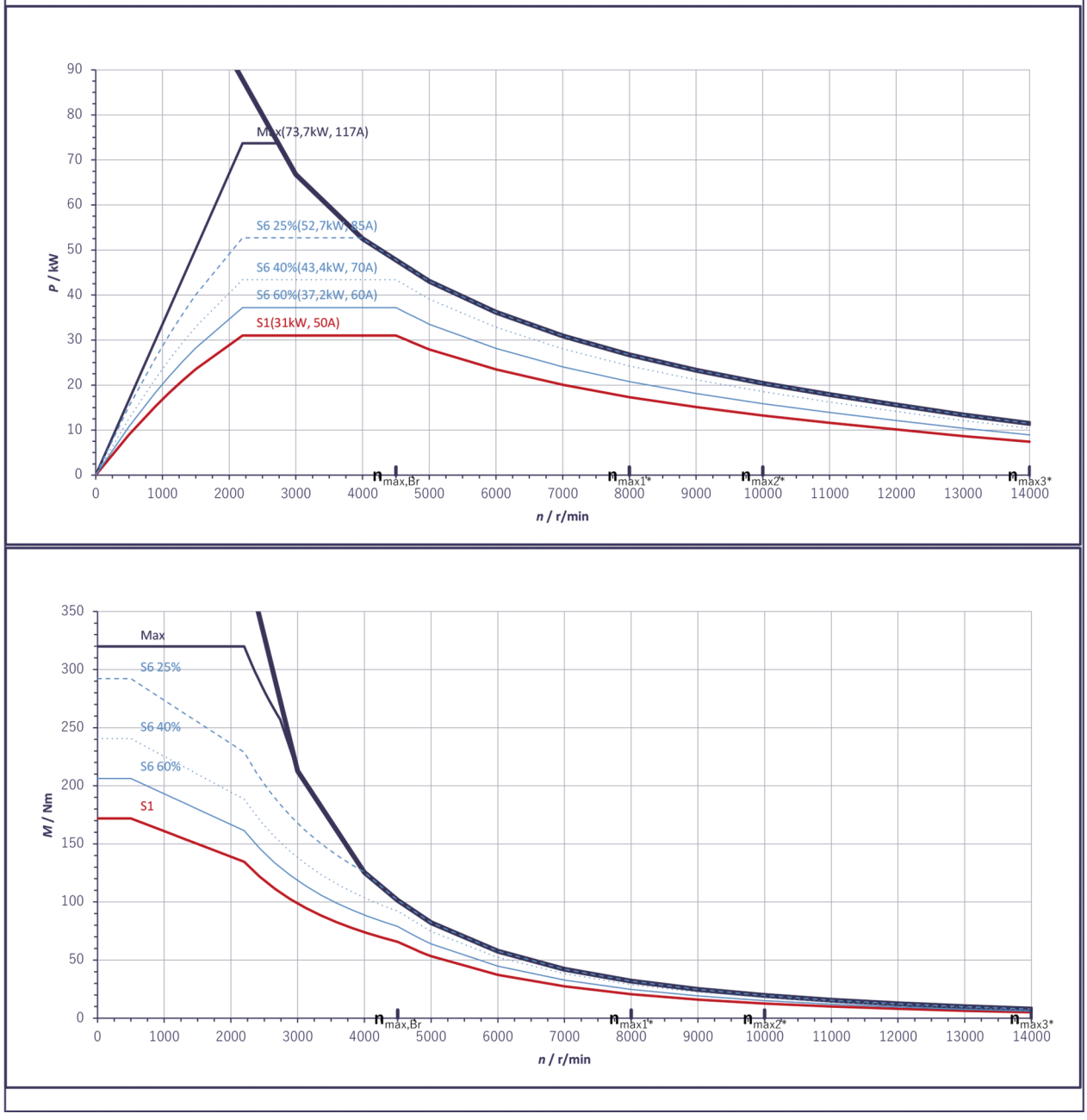


Figure 2-45 005_PD_1PH8135-1xF2_Index_ c-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8135-1□G2, 1PH8135-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	29,0	138,0	64,0	8000	10000	15000	4500	4500	320,0	148	170	73,0

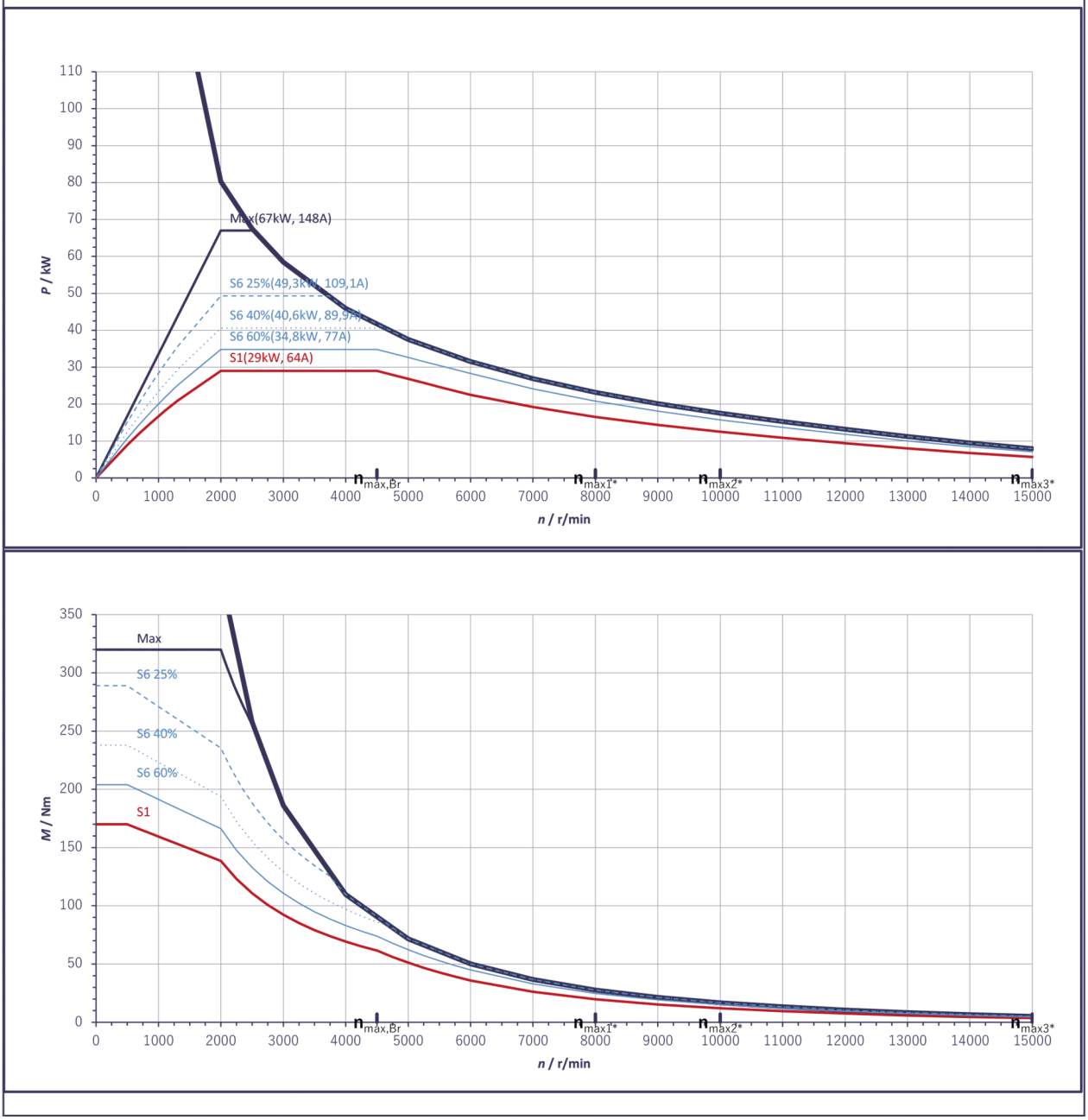
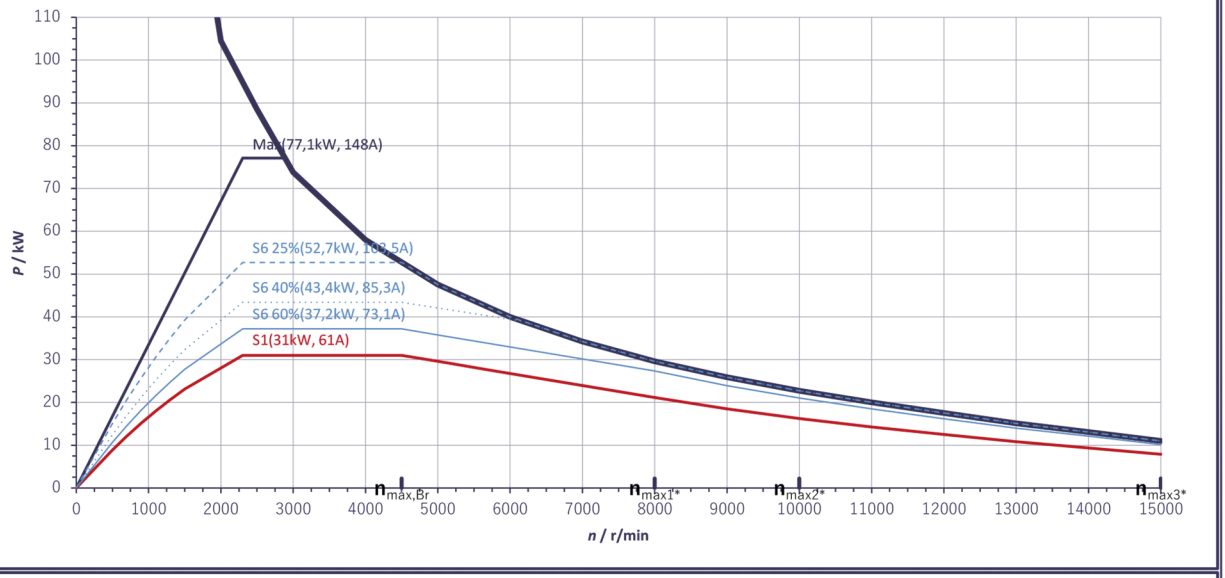


Figure 2-46 006_PD_1PH8135-1xG2_Index_ b-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8135-1□G2, 1PH8135-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	31,0	129,0	61,0	8000	10000	15000	4500	4500	320,0	148	170	73,0
2000	29,0	138	64,0					5250				



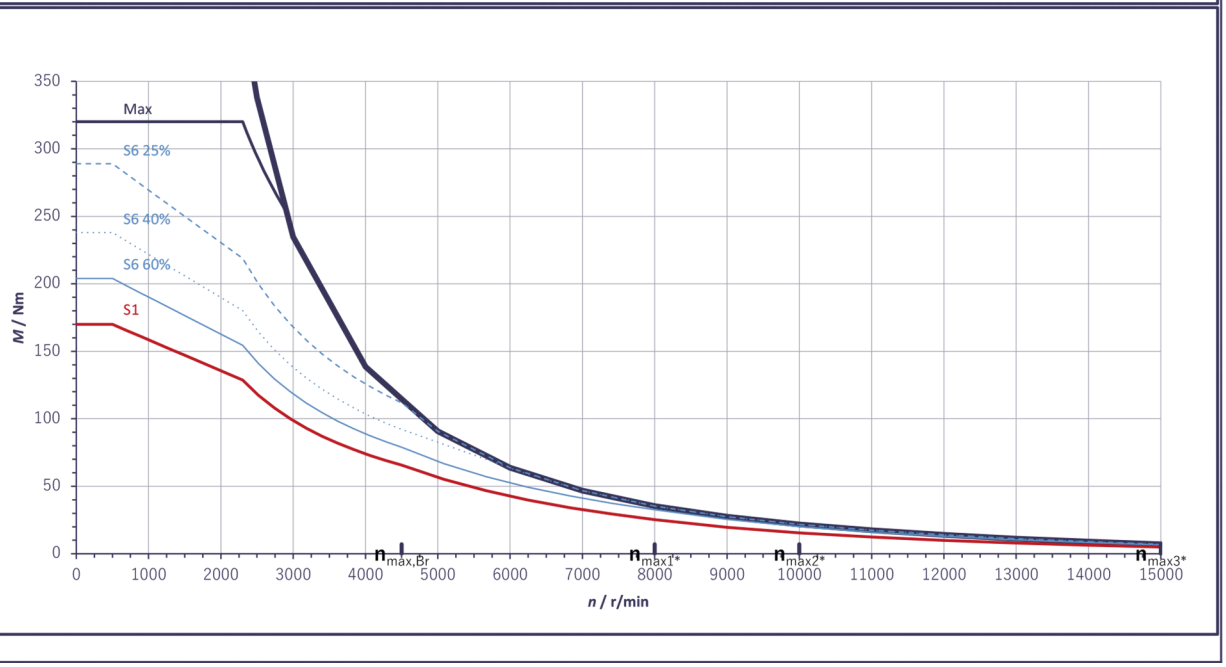


Figure 2-47 006_PD_1PH8135-1xG2_Index_ b-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8135-1□G2, 1PH8135-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	32,0	115,0	58,0	8000	10000	15000	4500	5500	320,0	148	170	73,0

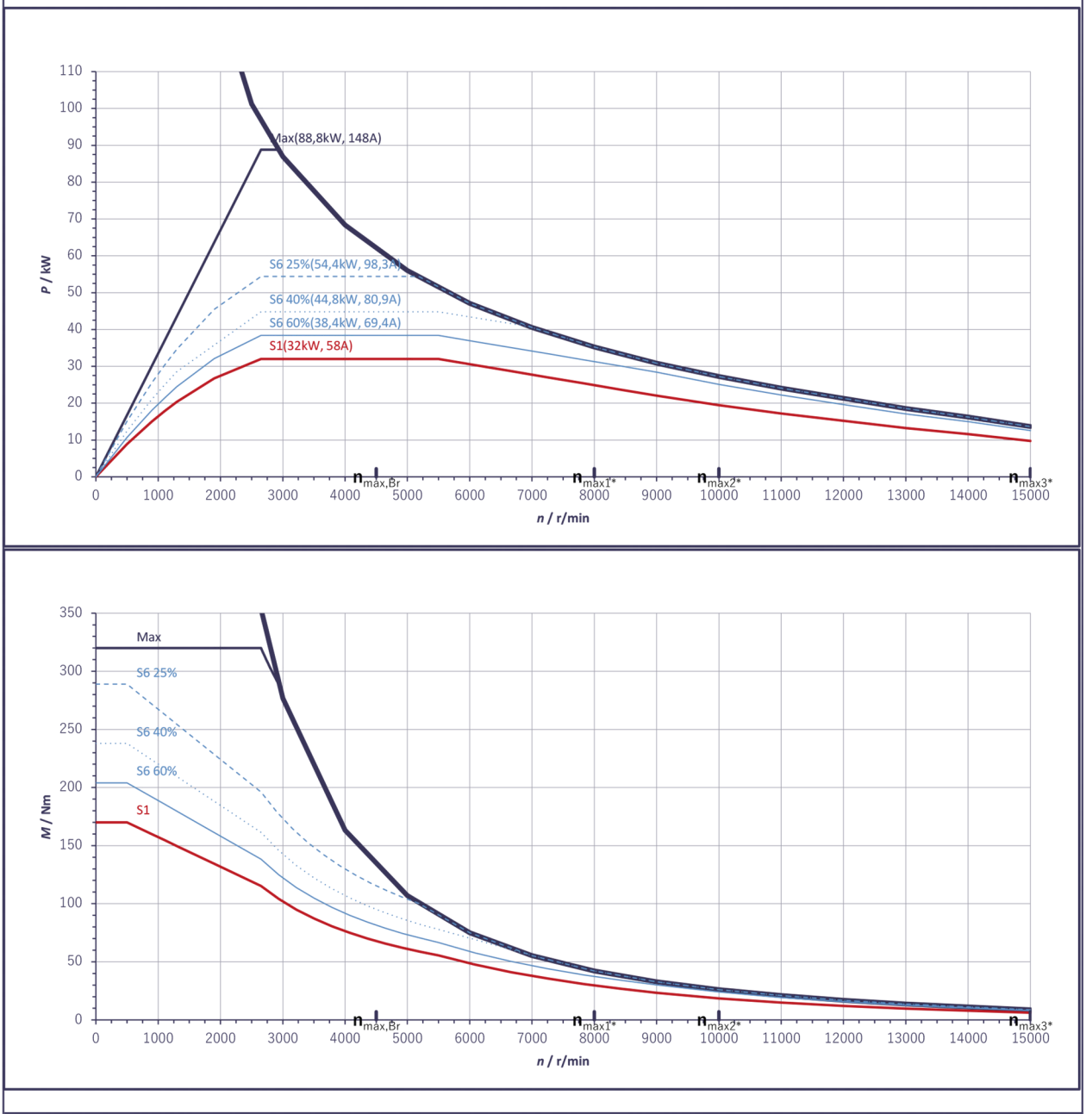


Figure 2-48 006_PD_1PH8135-1xG2_Index_ b-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8135-1□G2, 1PH8135-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	33,0	113,0	57,0	8000	10000	15000	4500	6000	320,0	148	170	73,0

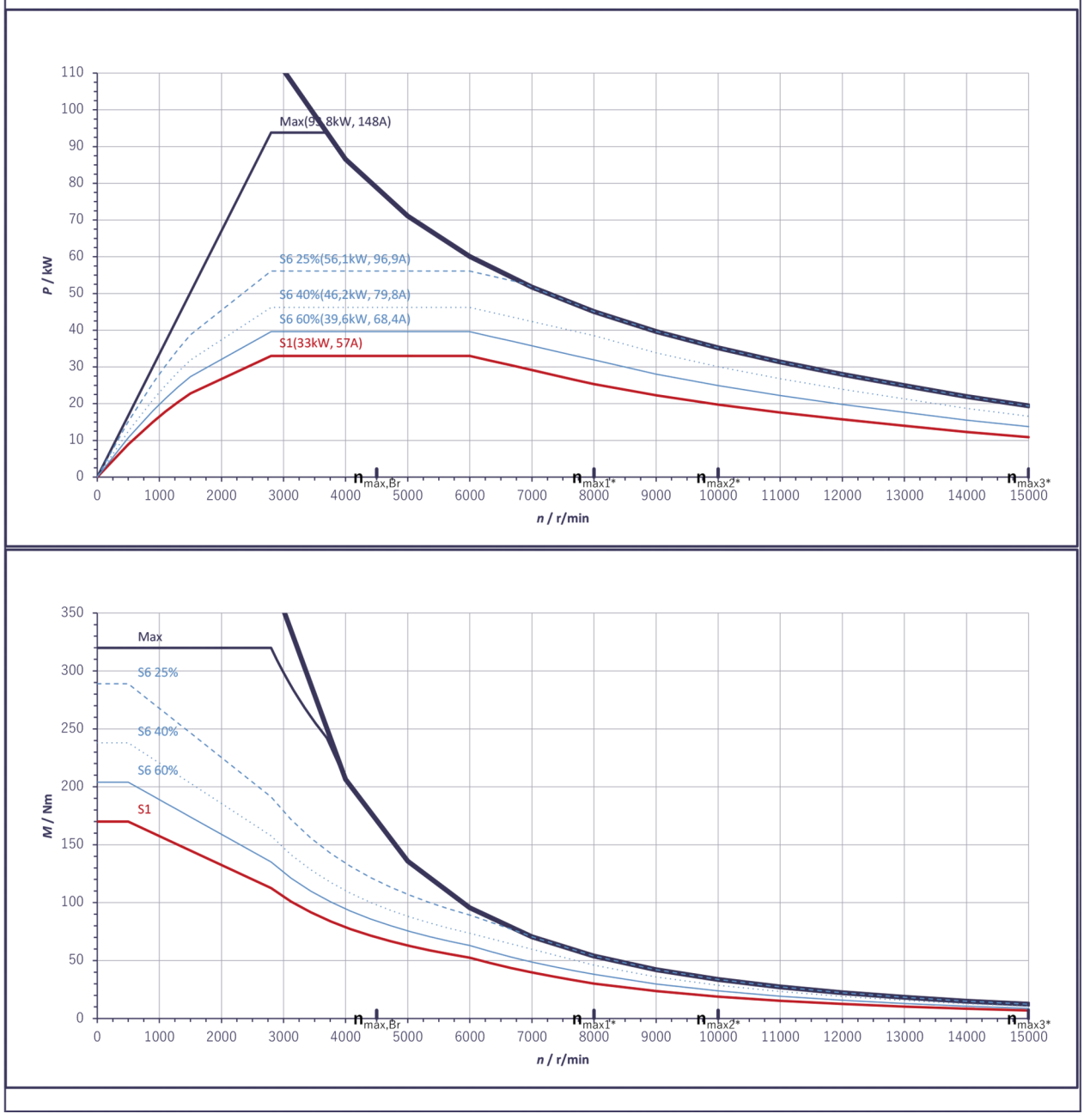


Figure 2-49 006_PD_1PH8135-1xG2_Index_ b-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8137-1□F2, 1PH8137-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	27,0	172,0	67,0	8000	10000	15000	4500	4000	400,0	156	202	73,0

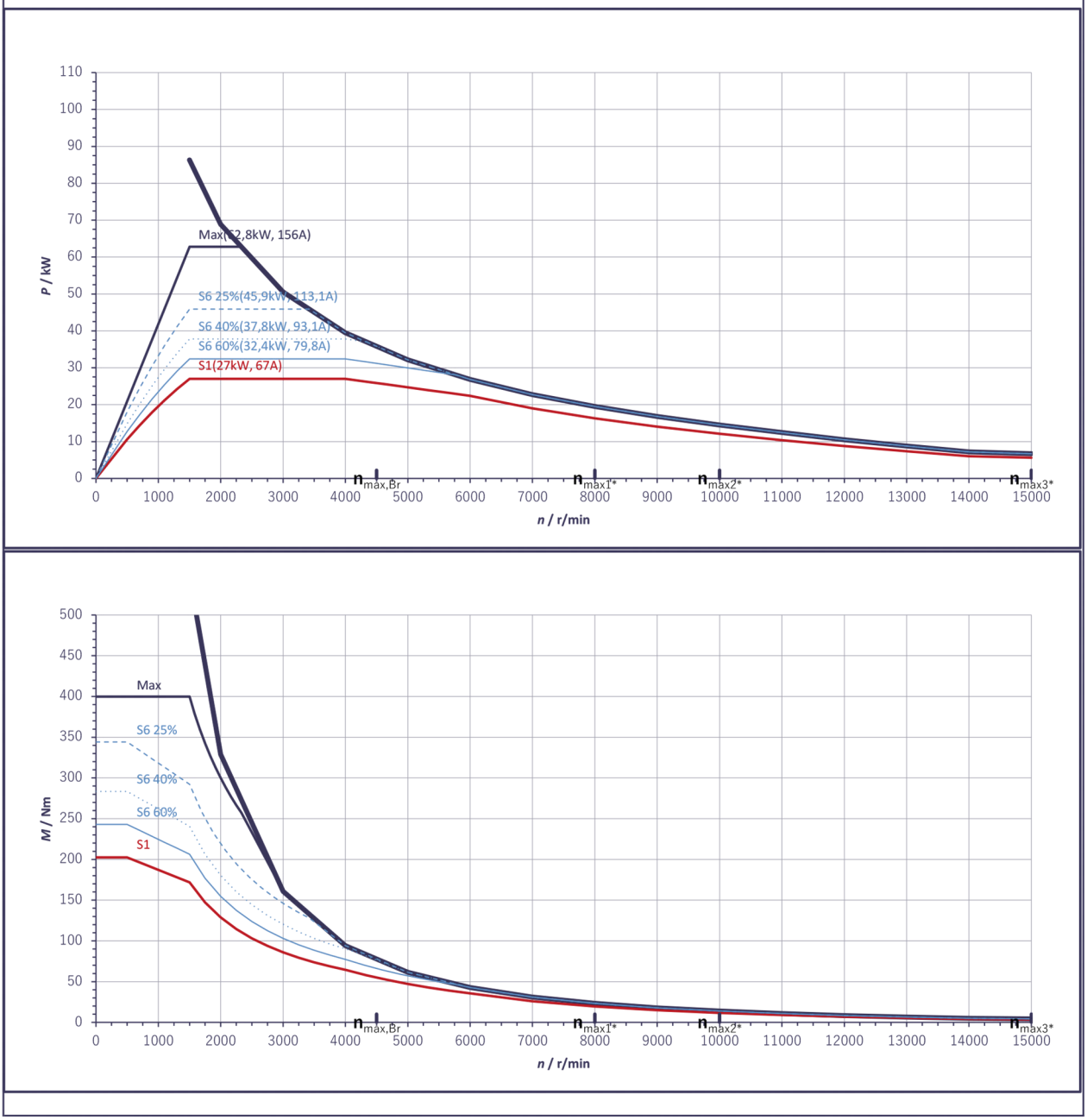


Figure 2-50 007_PD_1PH8137-1xF2_Index_ c-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8137-1□F2, 1PH8137-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	31,5	172,0	67,0	8000	10000	15000	4500	4500	400,0	156	202	73,0
1500	27,0	172	67,0					6500				

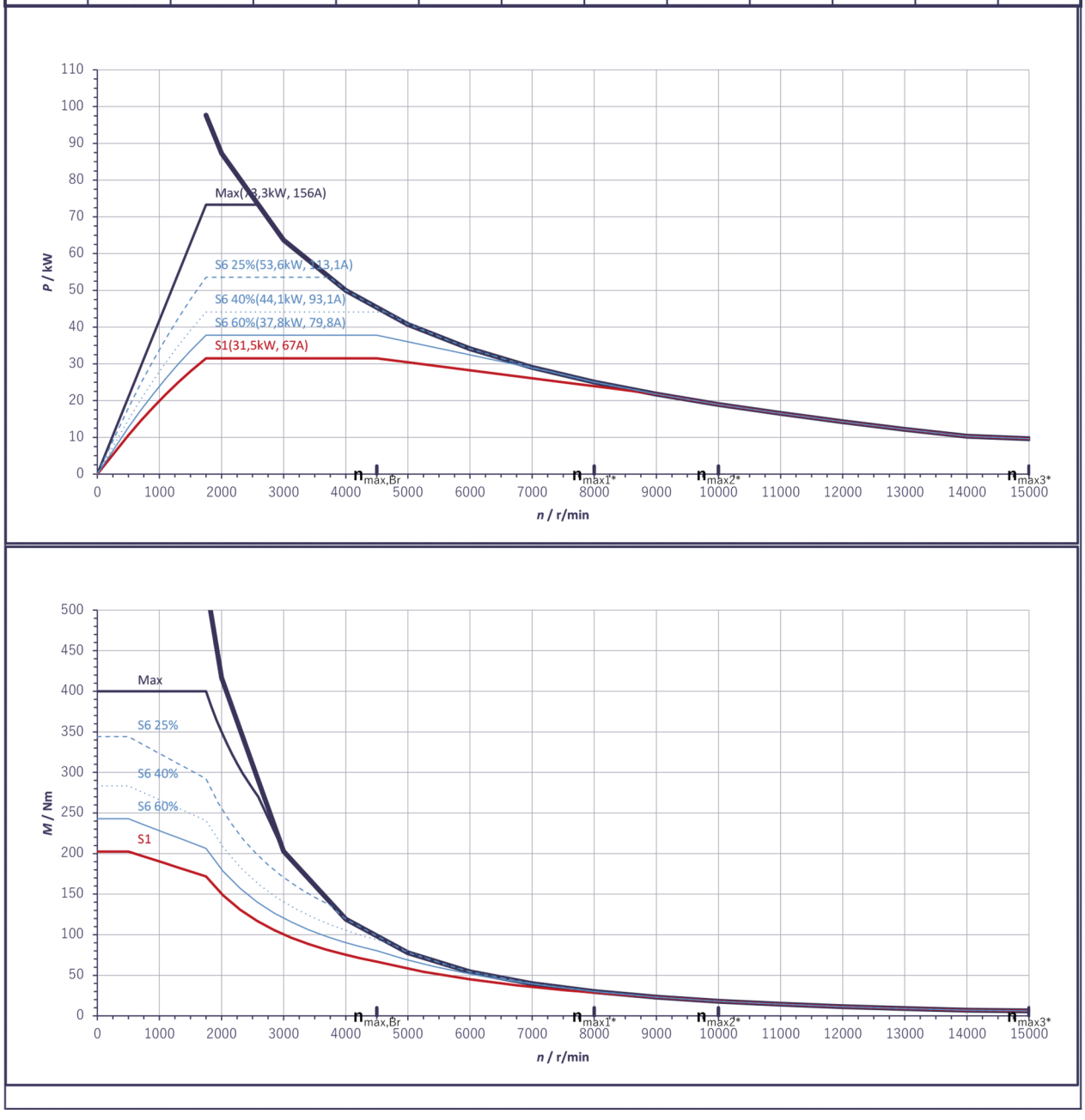


Figure 2-51 007_PD_1PH8137-1xF2_Index_ c-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8137-1□F2, 1PH8137-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	36,0	172,0	67,0	8000	10000	15000	4500	4000	400,0	156	202	73,0

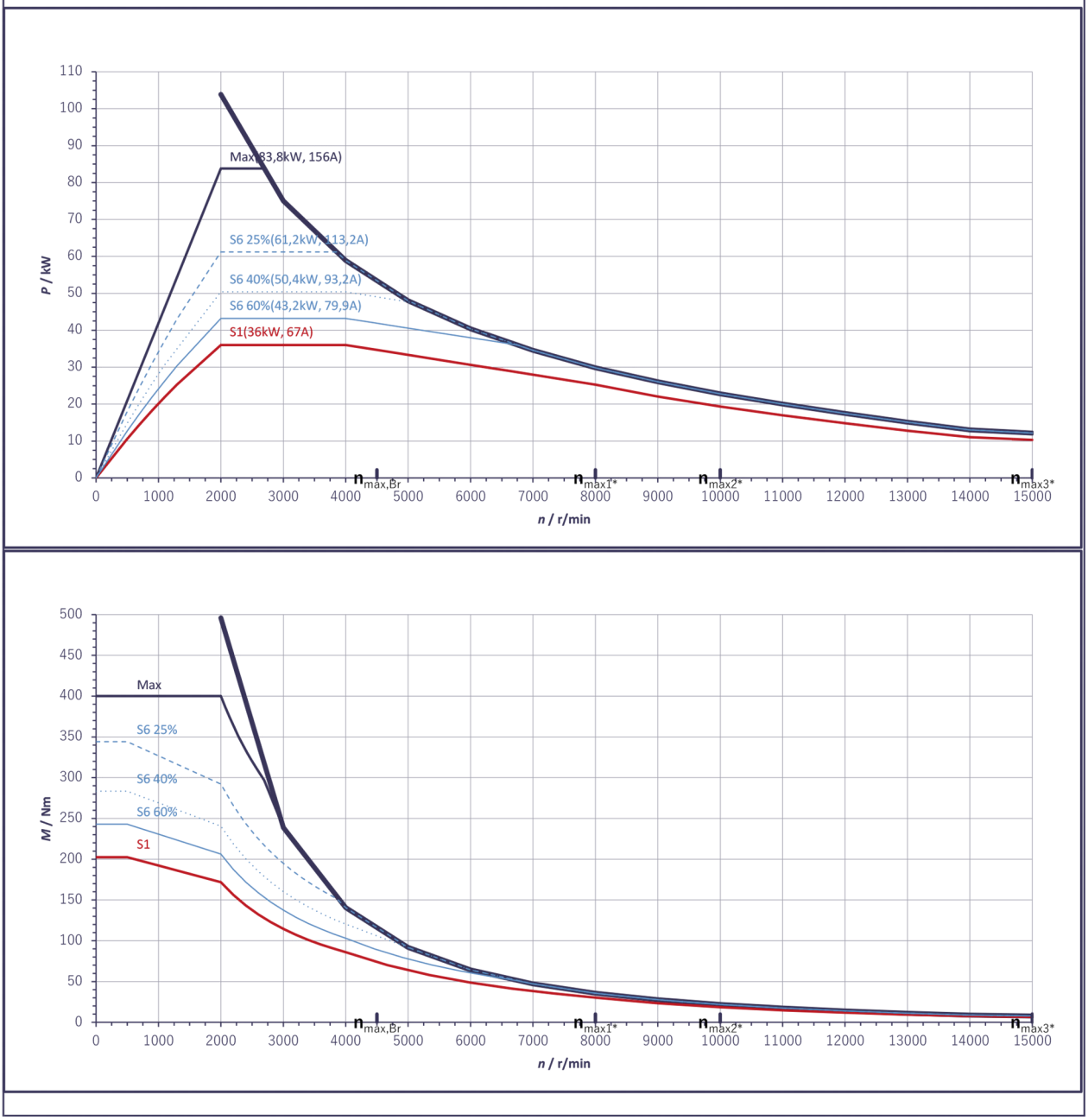


Figure 2-52 007_PD_1PH8137-1xF2_Index_ c-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8137-1□F2, 1PH8137-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	39,0	169,0	66,0	8000	10000	15000	4500	4500	400,0	156	202	73,0

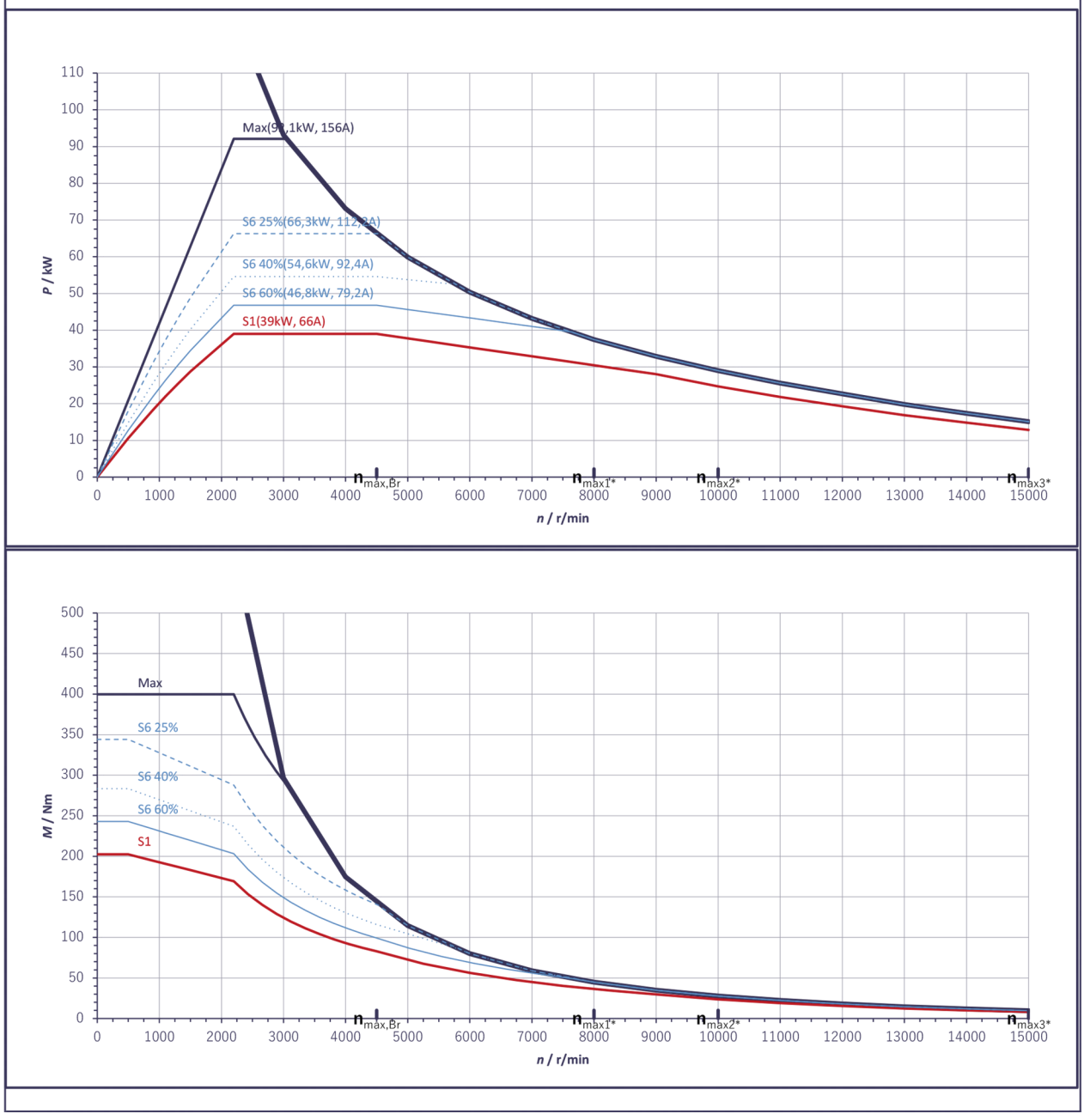


Figure 2-53 007_PD_1PH8137-1xF2_Index_ c-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8138-1□F2, 1PH8138-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	30,0	191,0	80,0	8000	10000	15000	4500	5000	400,0	168	223	88,0

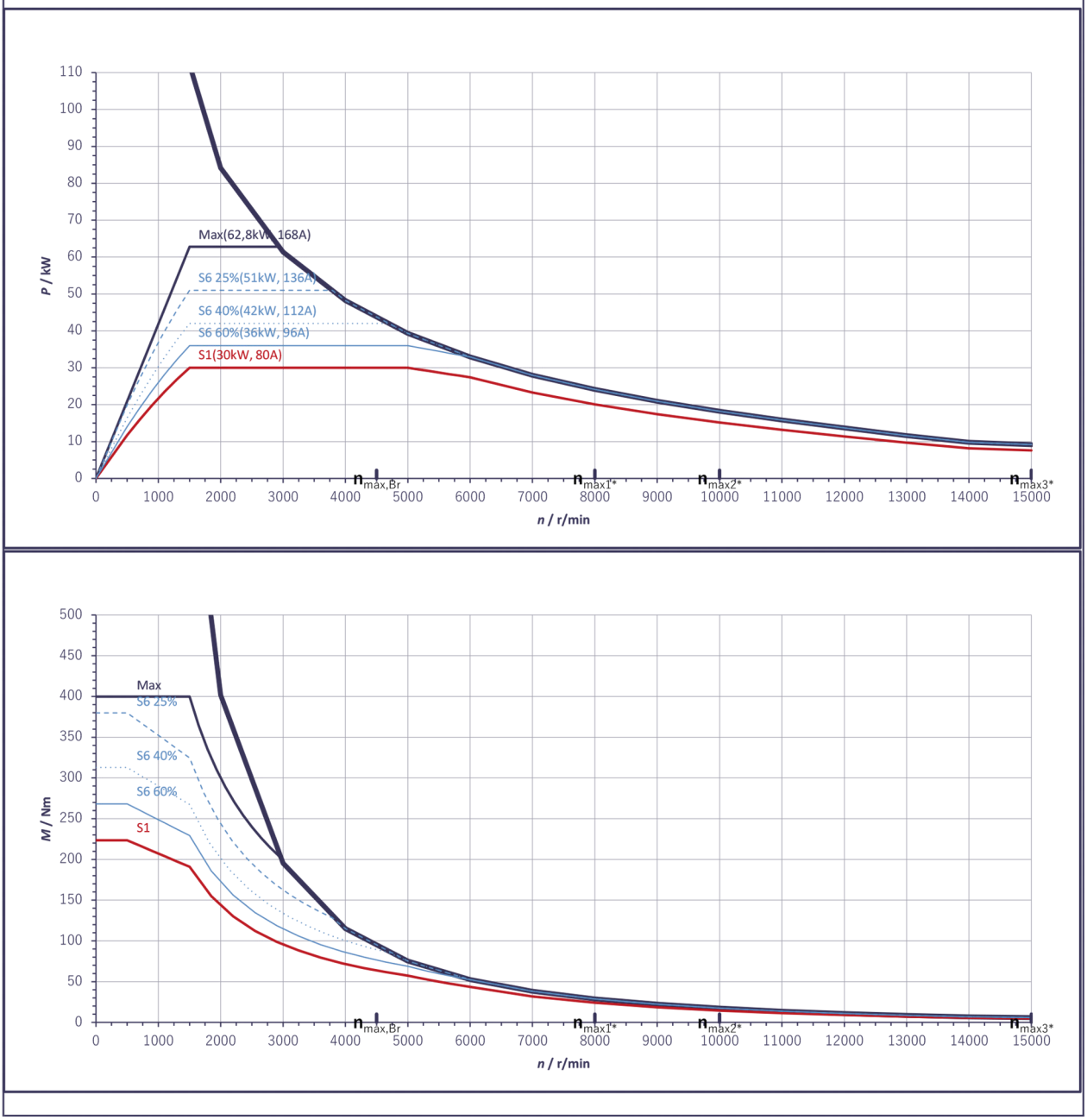
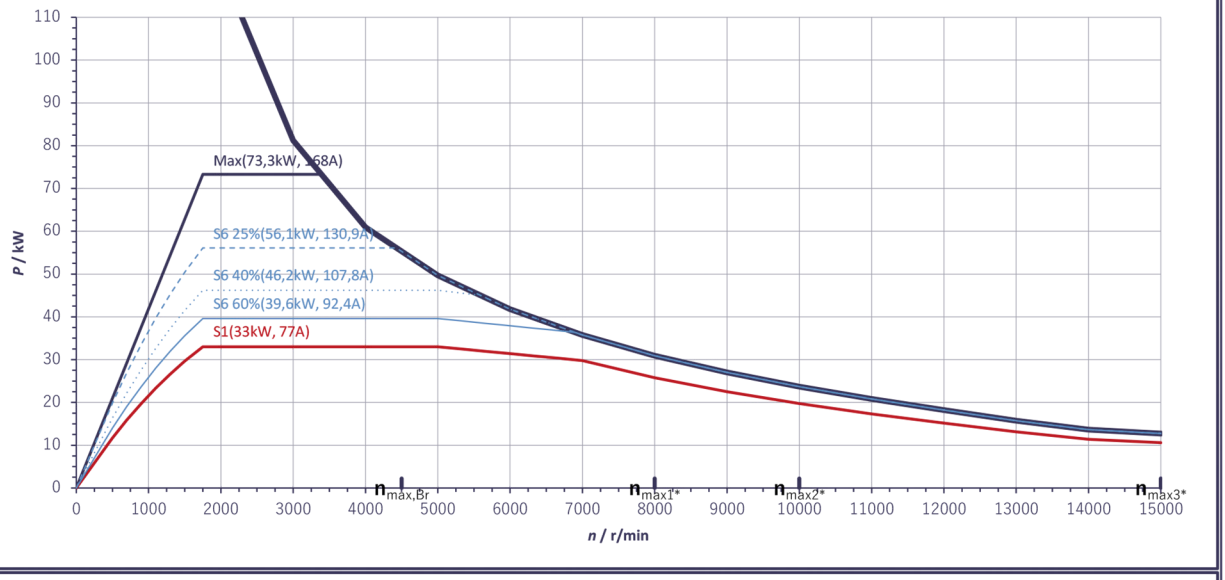


Figure 2-54 008_PD_1PH8138-1xF2_Index_ d-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8138-1□F2, 1PH8138-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	33,0	180,0	77,0	8000	10000	15000	4500	5000	400,0	168	223	88,0
1500	30,0	191	80,0					7000				



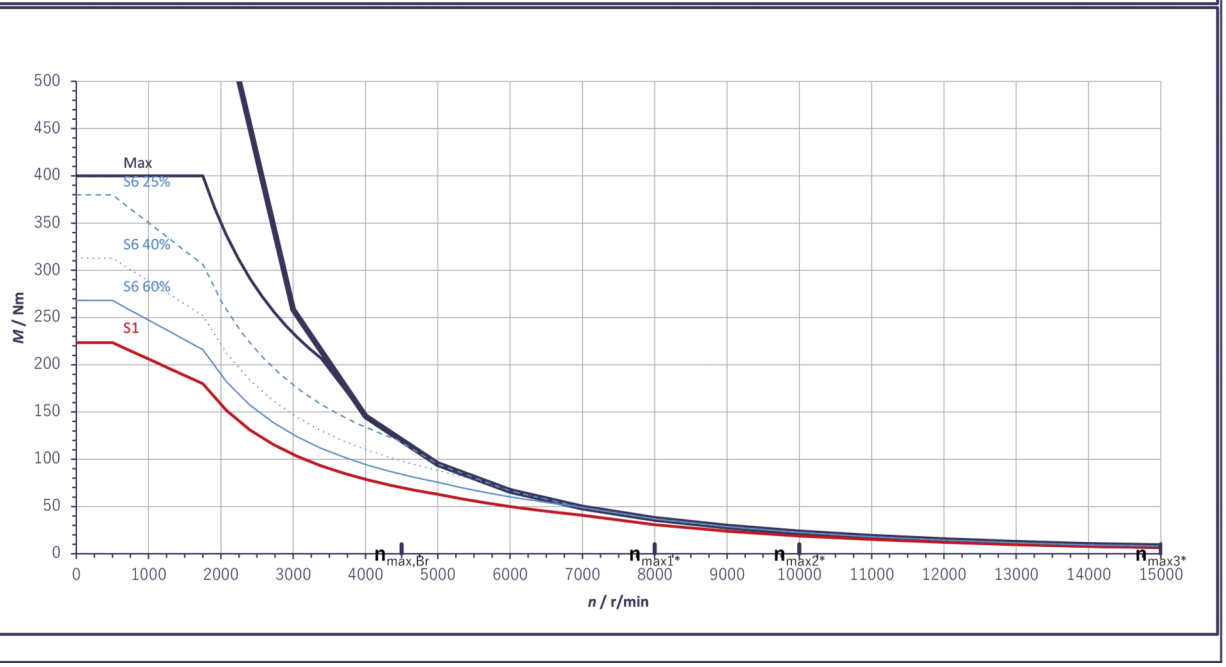


Figure 2-55 008_PD_1PH8138-1xF2_Index_ d-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8138-1□F2, 1PH8138-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	37,0	177,0	76,0	8000	10000	15000	4500	4000	400,0	168	223	88,0

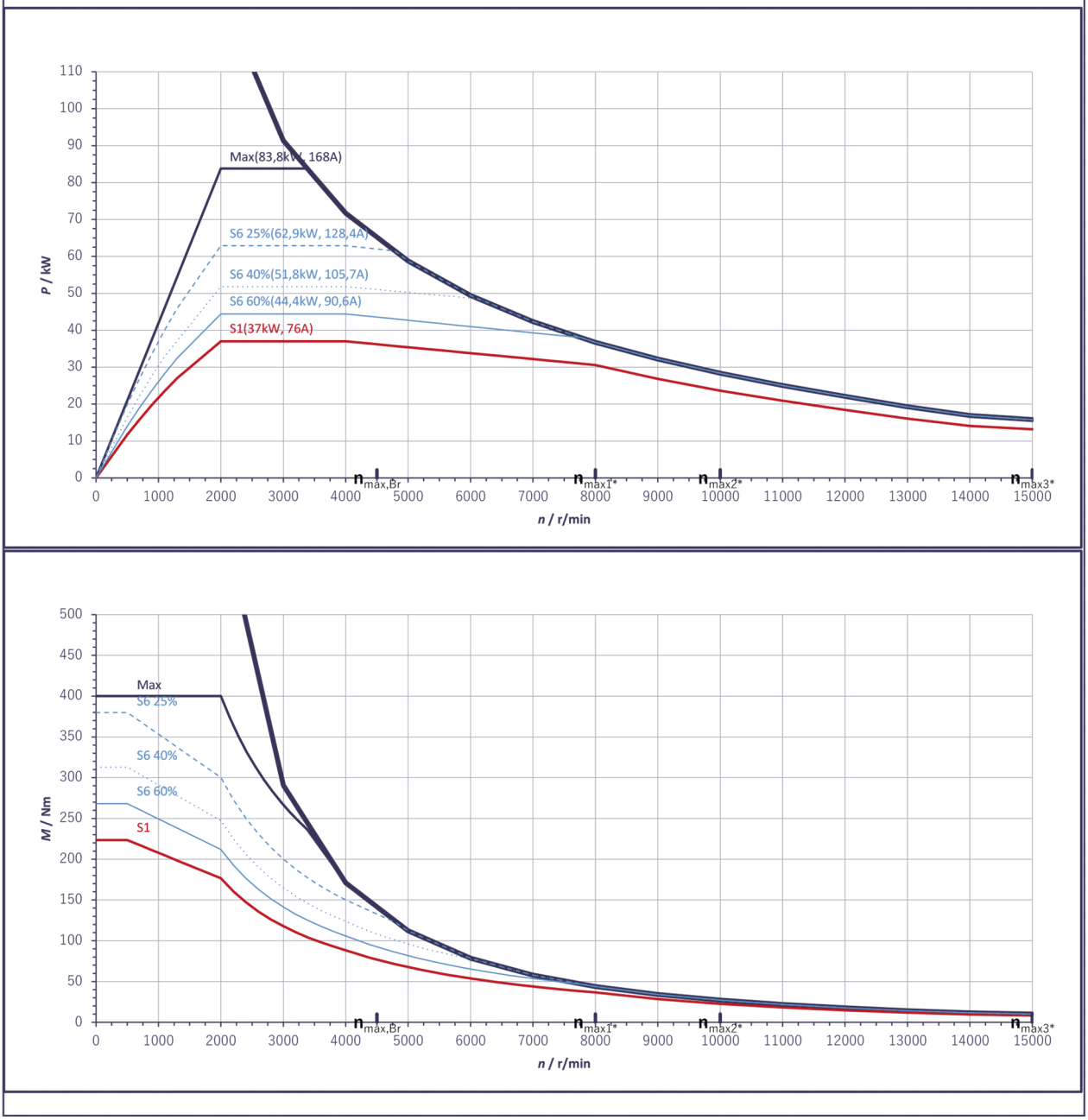


Figure 2-56 008_PD_1PH8138-1xF2_Index_ d-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8138-1□F2, 1PH8138-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	39,0	169,0	72,0	8000	10000	15000	4500	5000	400,0	168	223	88,0

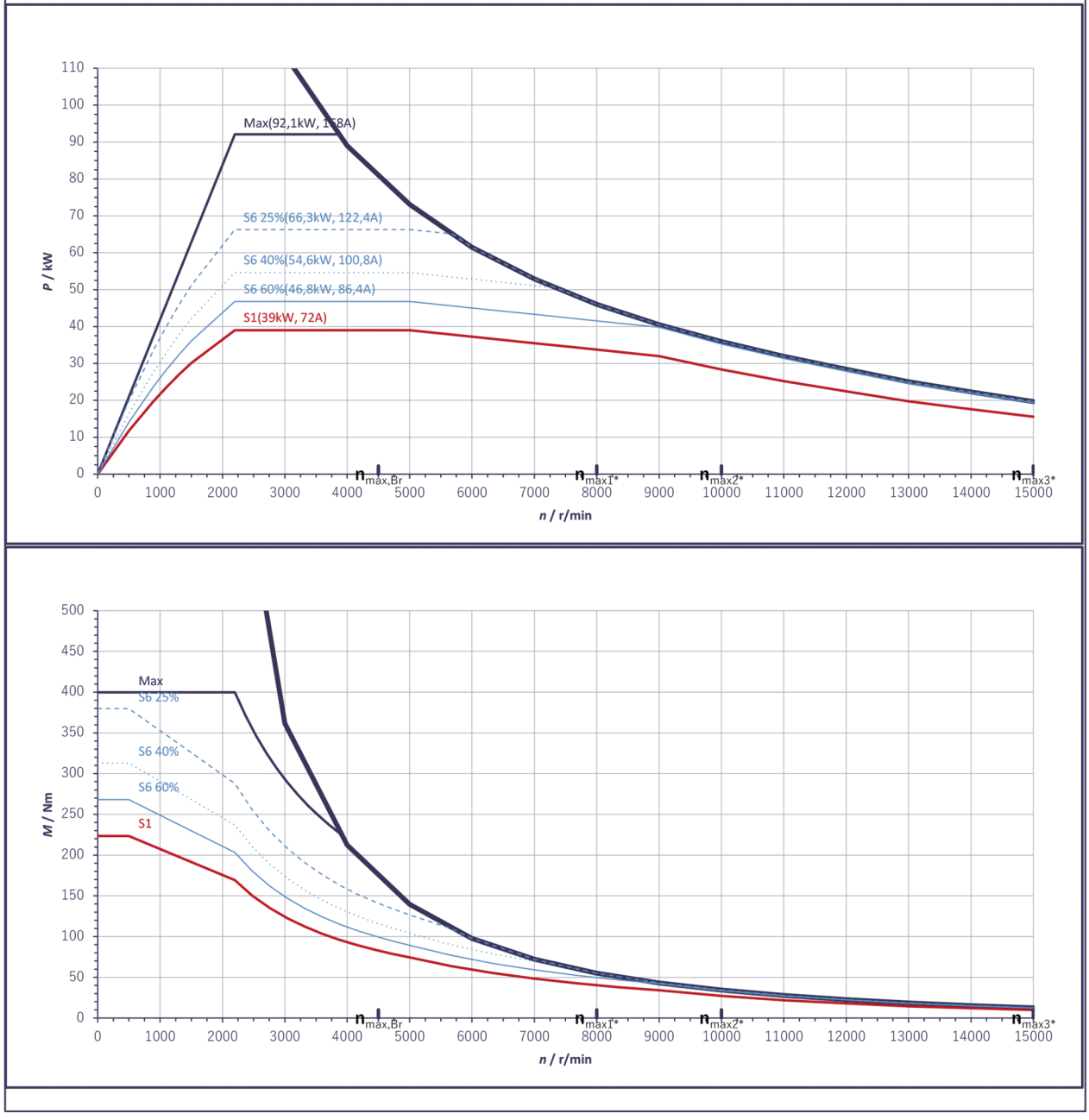


Figure 2-57 008_PD_1PH8138-1xF2_Index_ d-4_04

2.3.5 Shaft height 160 - water cooling

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8163-1□F2, 1PH8163-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	37,0	236,0	84,0	6500	9000	10000	4000	3000	600,0	208	288	96,0

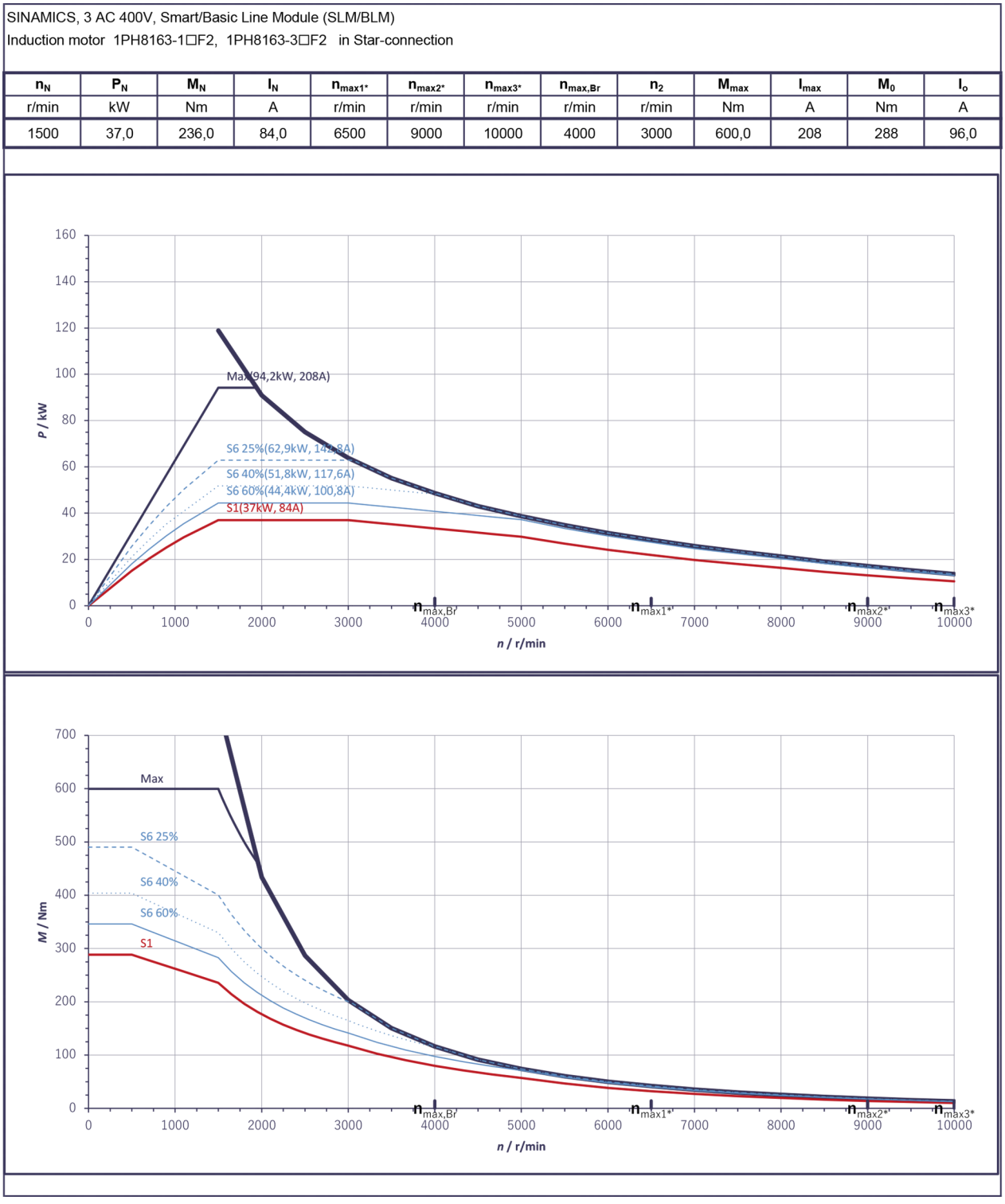
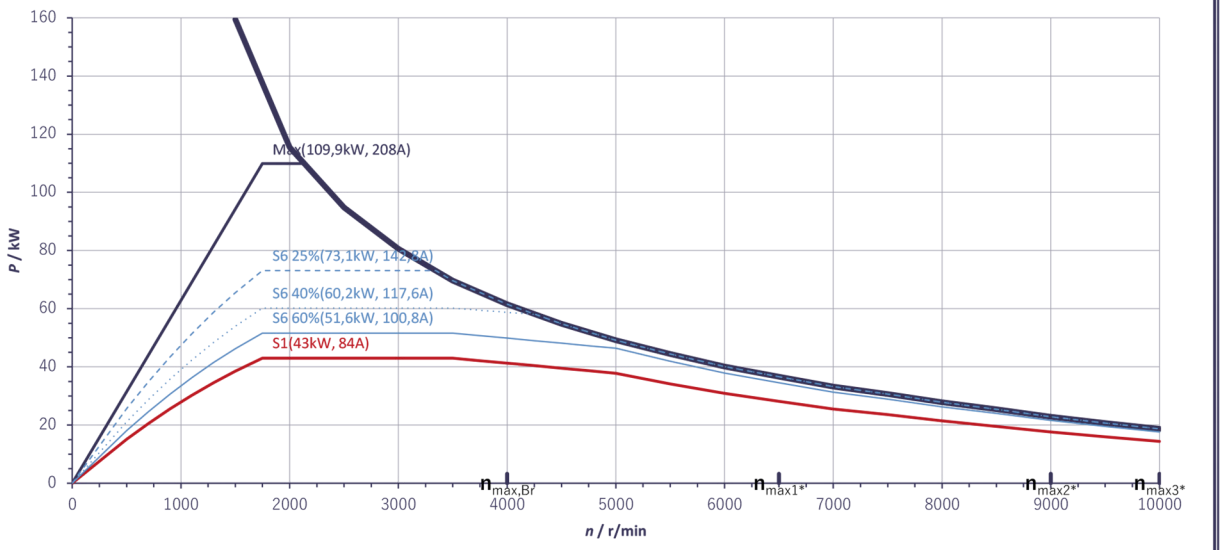


Figure 2-58 001_PD_1PH8163-1xF2_Index_ a-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8163-1□F2, 1PH8163-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	43,0	235,0	84,0	6500	9000	10000	4000	3500	600,0	208	288	96,0
1500	37,0	236	84,0					5000				



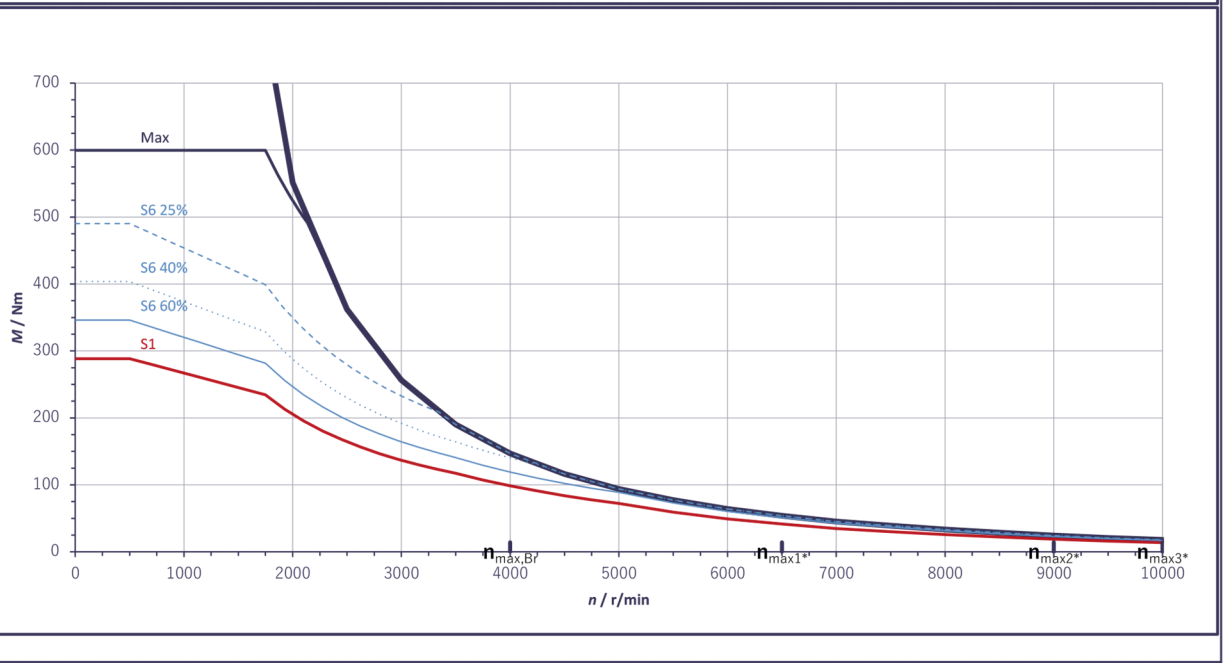


Figure 2-59 001_PD_1PH8163-1xF2_Index_ a-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8163-1□F2, 1PH8163-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	49,0	234,0	84,0	6500	9000	10000	4000	3500	600,0	208	288	96,0

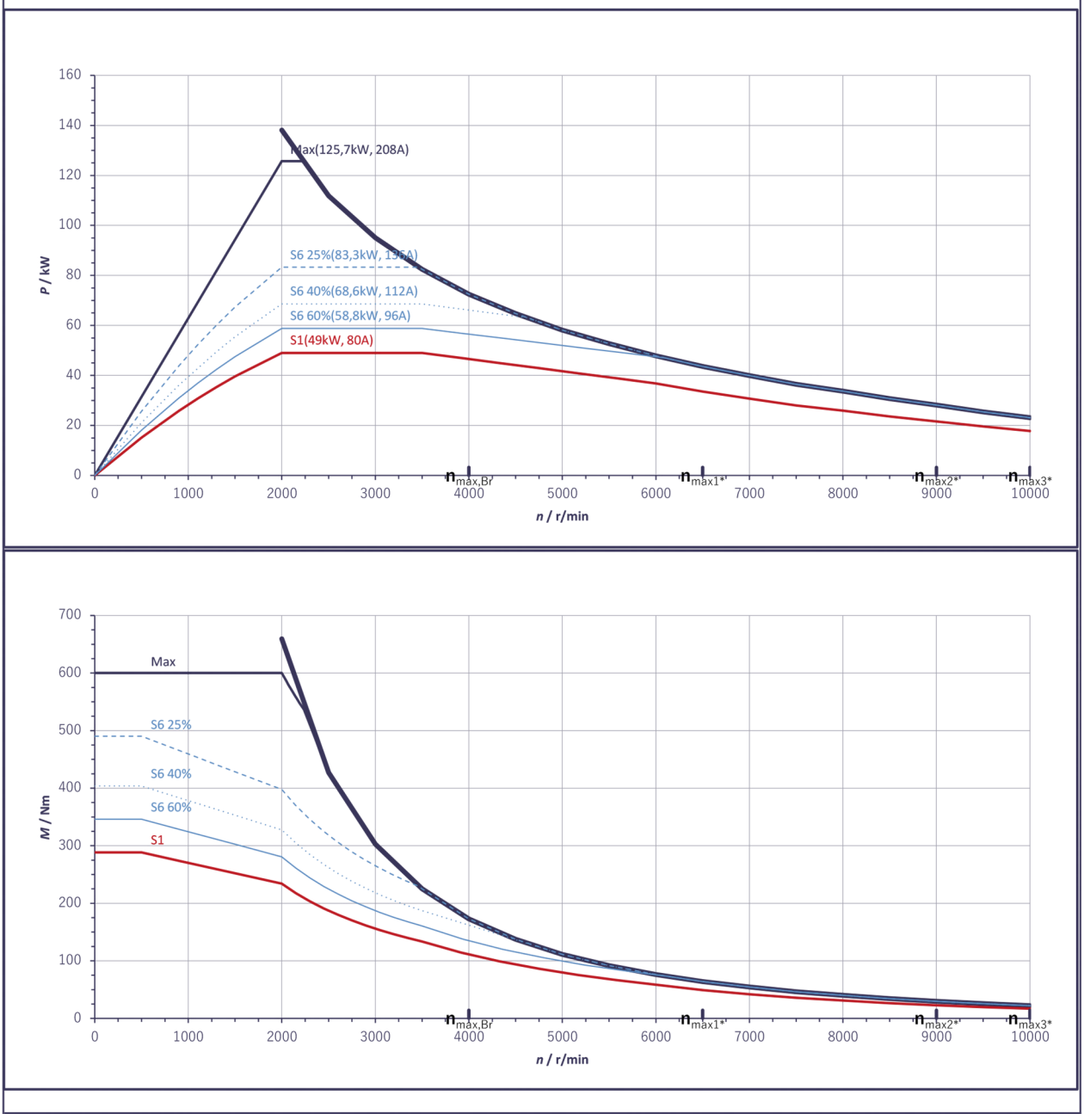


Figure 2-60 001_PD_1PH8163-1xF2_Index_ a-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8163-1□F2, 1PH8163-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	53,0	230,0	83,0	6500	9000	10000	4000	4500	600,0	208	288	96,0

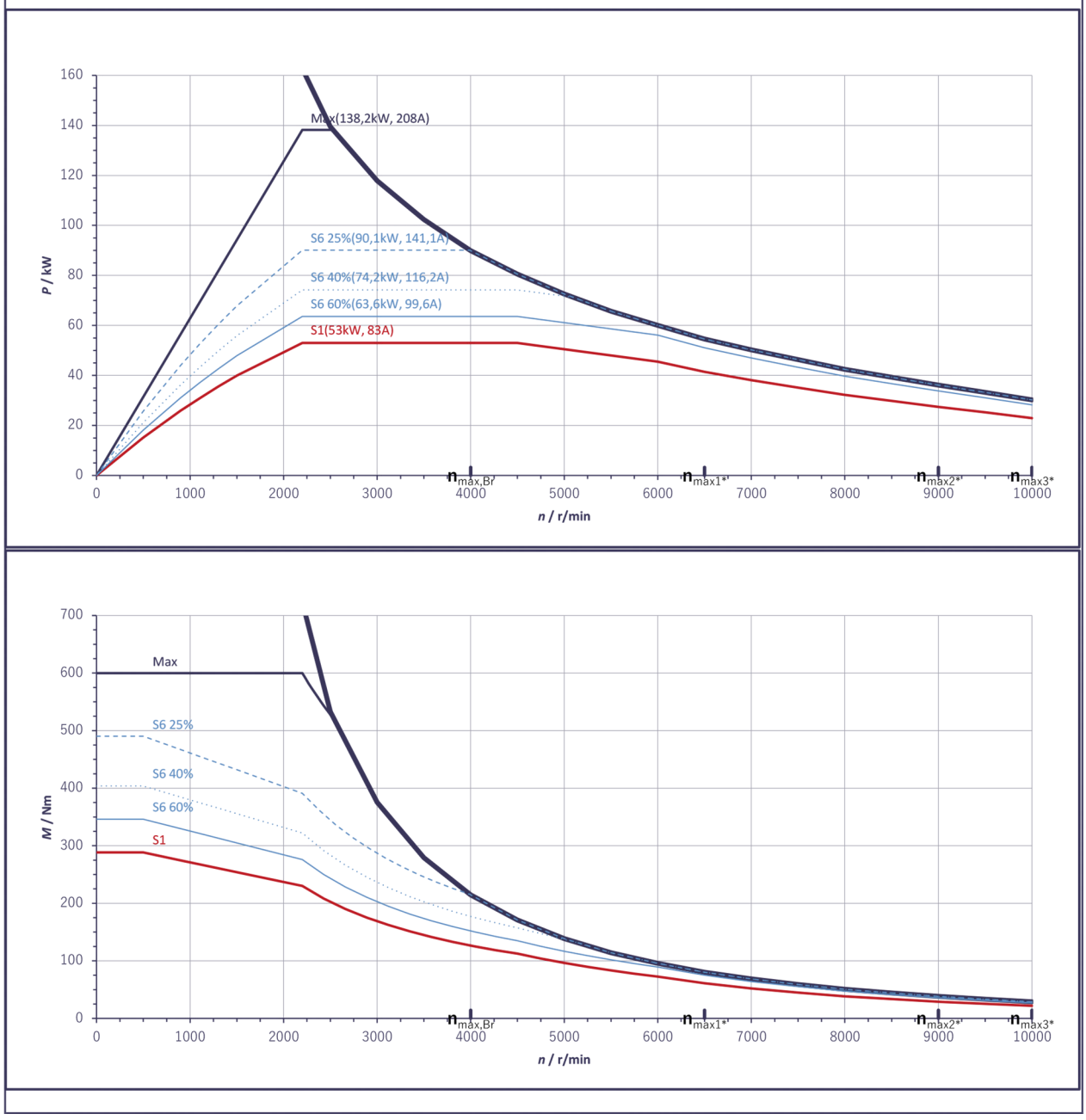


Figure 2-61 001_PD_1PH8163-1xF2_Index_ a-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8163-1□G2, 1PH8163-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	42,0	201,0	93,0	6500	9000	10000	4000	5000	560,0	253	281	120,0

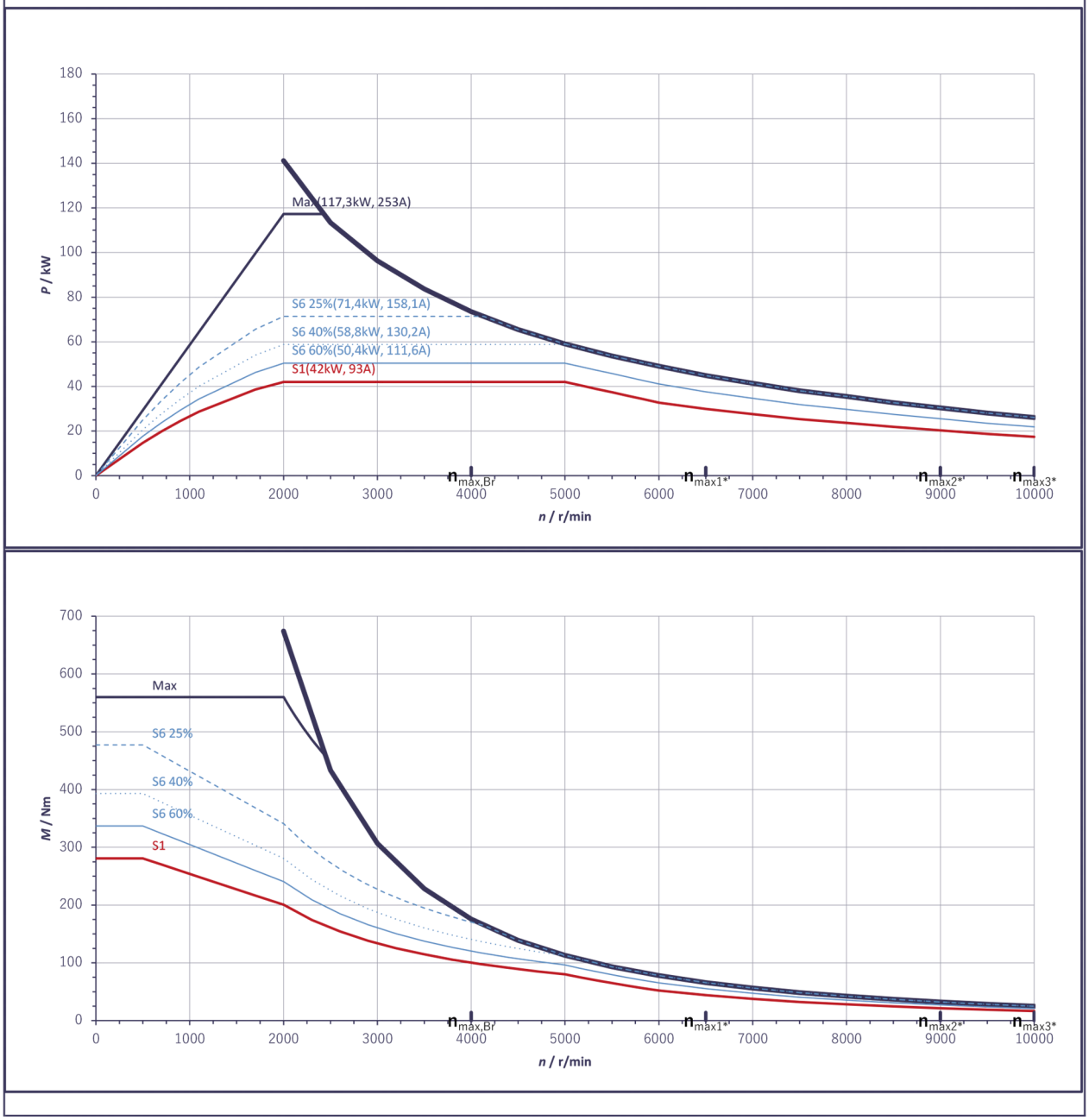
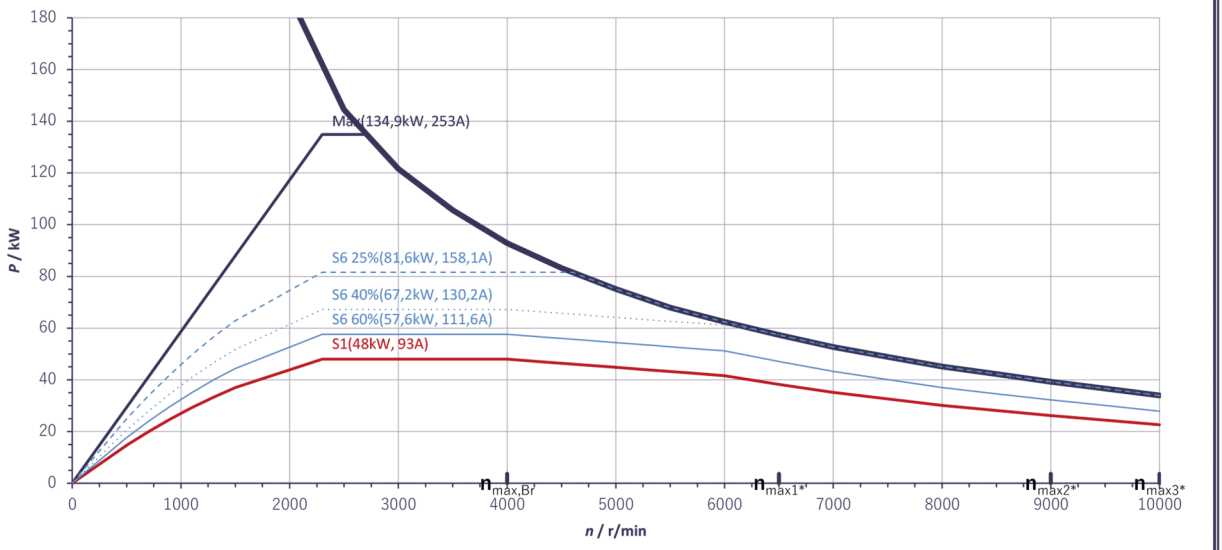


Figure 2-62 002_PD_1PH8163-1xG2_Index_ a-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8163-1□G2, 1PH8163-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	48,0	199,0	93,0	6500	9000	10000	4000	4000	560,0	253	281	120,0
2000	42,0	201	93,0					5800				



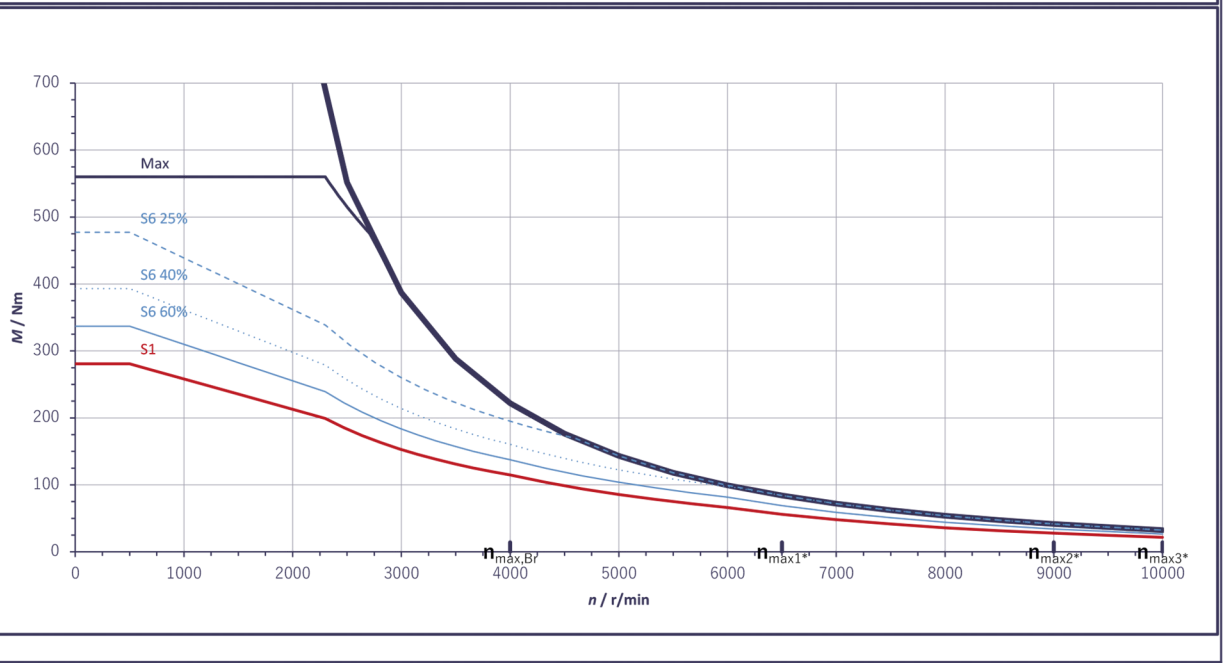


Figure 2-63 002_PD_1PH8163-1xG2_Index_ a-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8163-1□G2, 1PH8163-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	55,0	198,0	90,0	6500	9000	10000	4000	5000	560,0	253	281	120,0

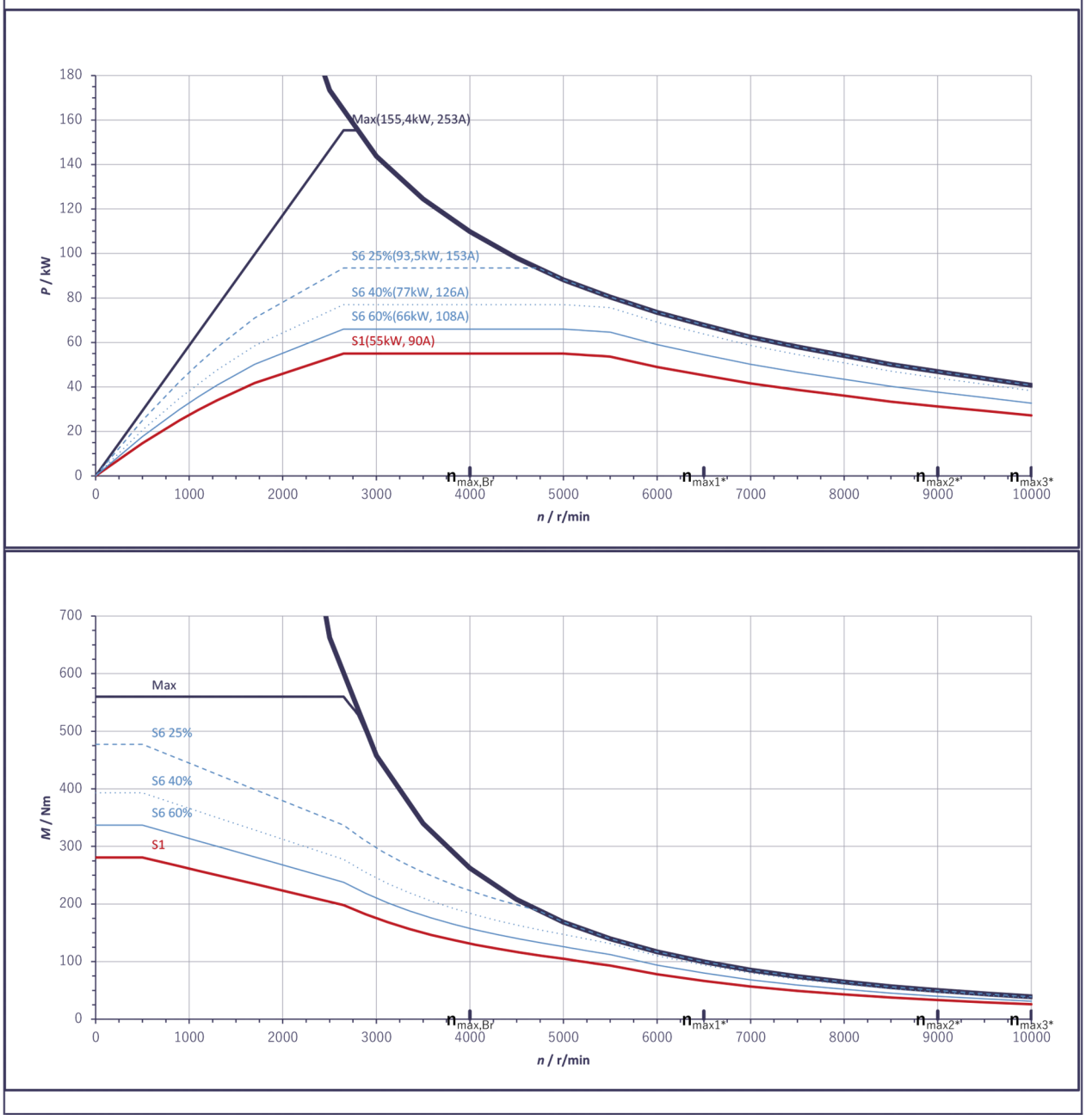


Figure 2-64 002_PD_1PH8163-1xG2_Index_ a-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8163-1□G2, 1PH8163-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	56,0	191,0	89,0	6500	9000	10000	4000	5500	560,0	253	281	120,0

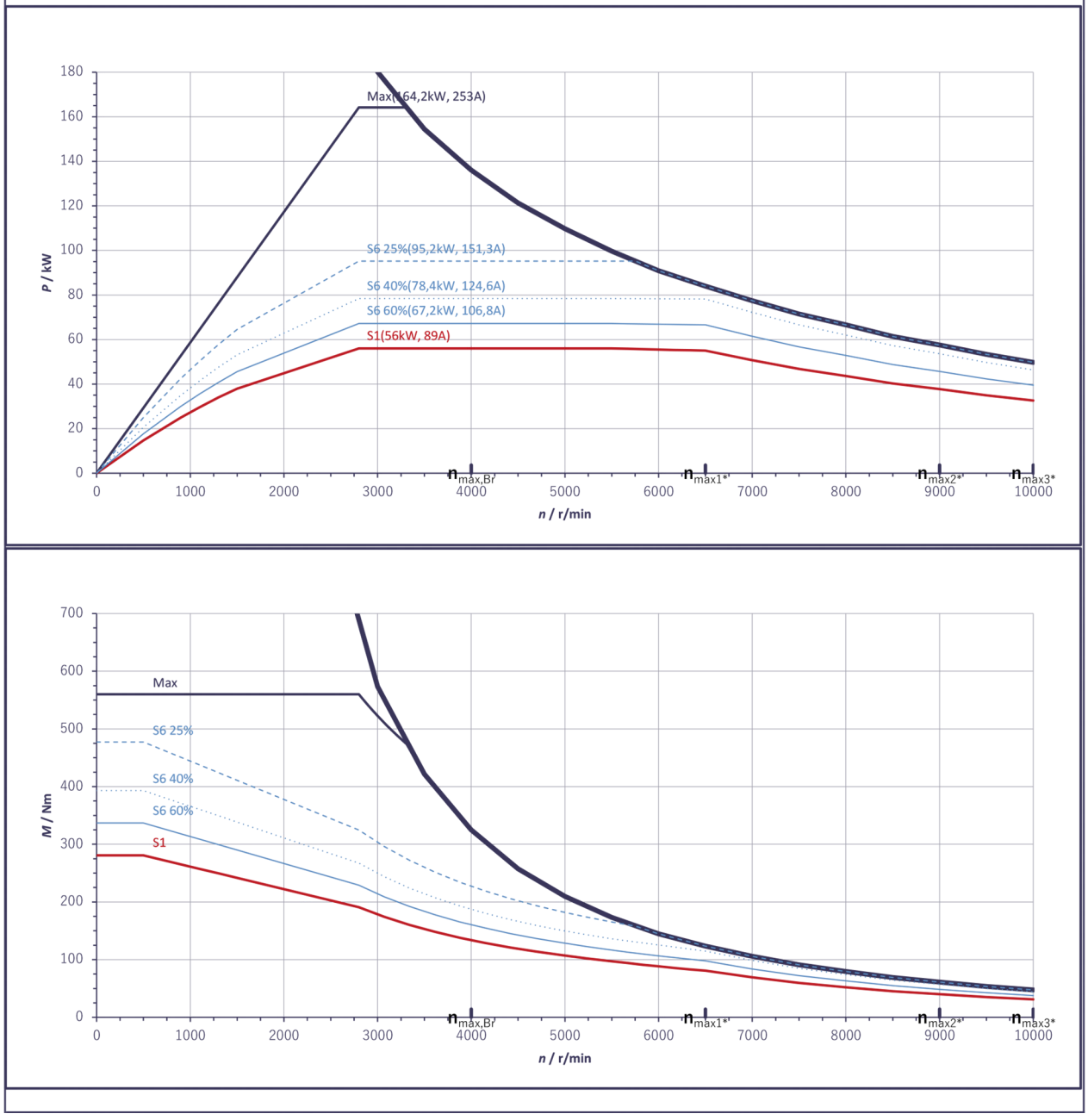


Figure 2-65 002_PD_1PH8163-1xG2_Index_ a-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8165-1□F2, 1PH8165-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	46,0	293,0	104,0	6500	9000	10000	4000	3050	700,0	245	334	112,0

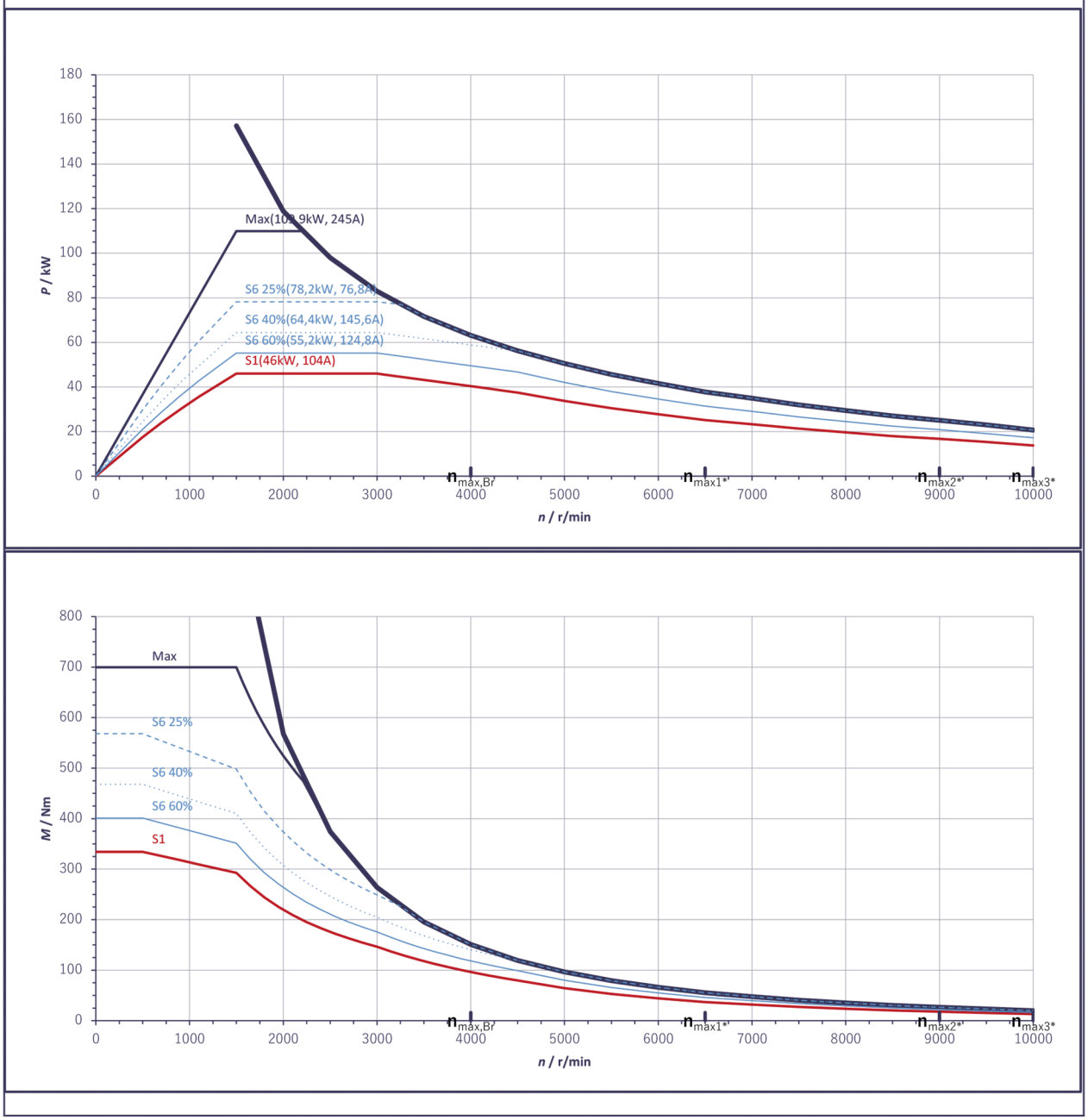
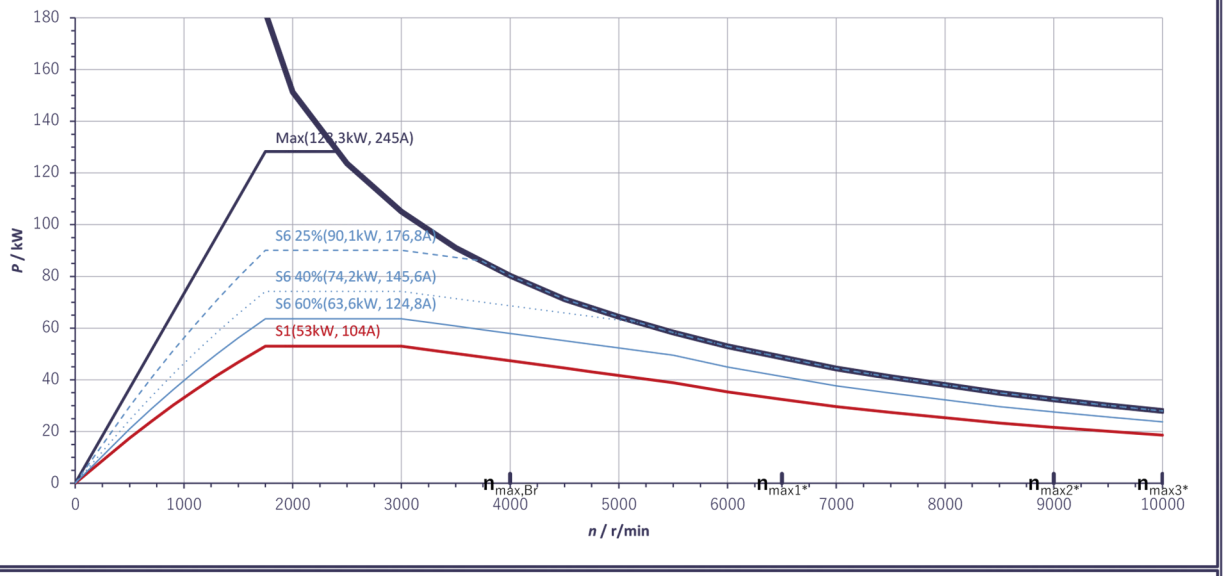


Figure 2-66 003_PD_1PH8165-1xF2_Index_ a-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8165-1□F2, 1PH8165-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	53,0	289,0	104,0	6500	9000	10000	4000	3050	700,0	245	334	112,0
1500	46,0	293	104,0					4150				



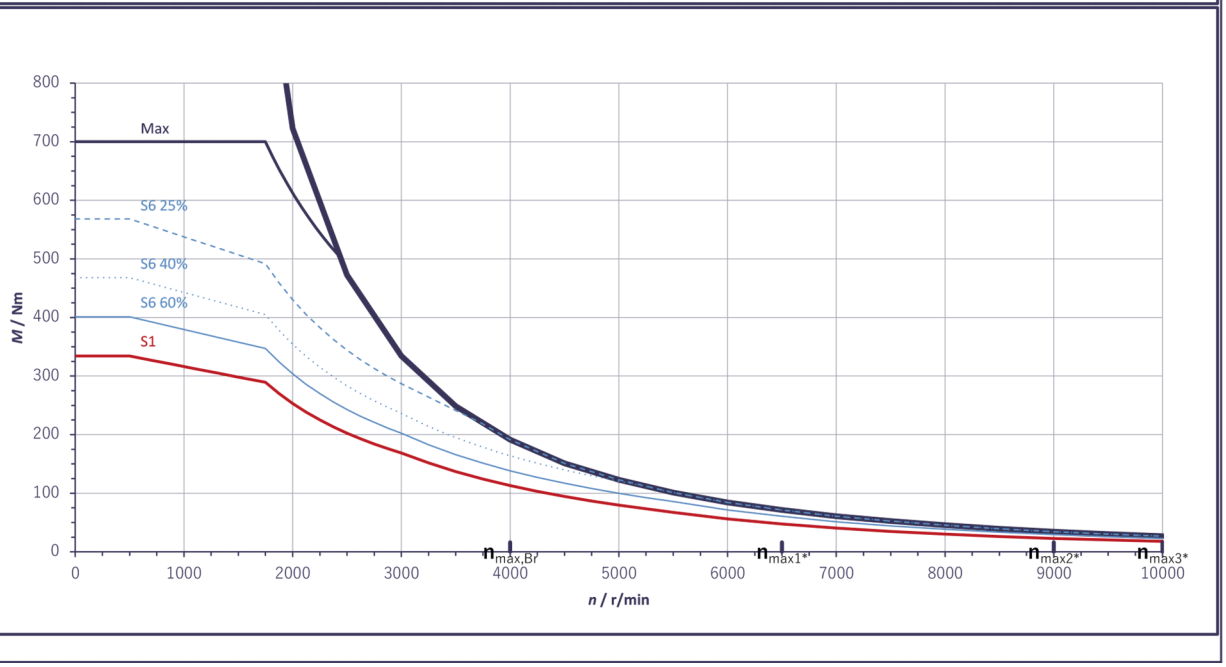


Figure 2-67 003_PD_1PH8165-1xF2_Index_ a-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8165-1□F2, 1PH8165-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	60,0	287,0	103,0	6500	9000	10000	4000	3050	700,0	245	334	112,0

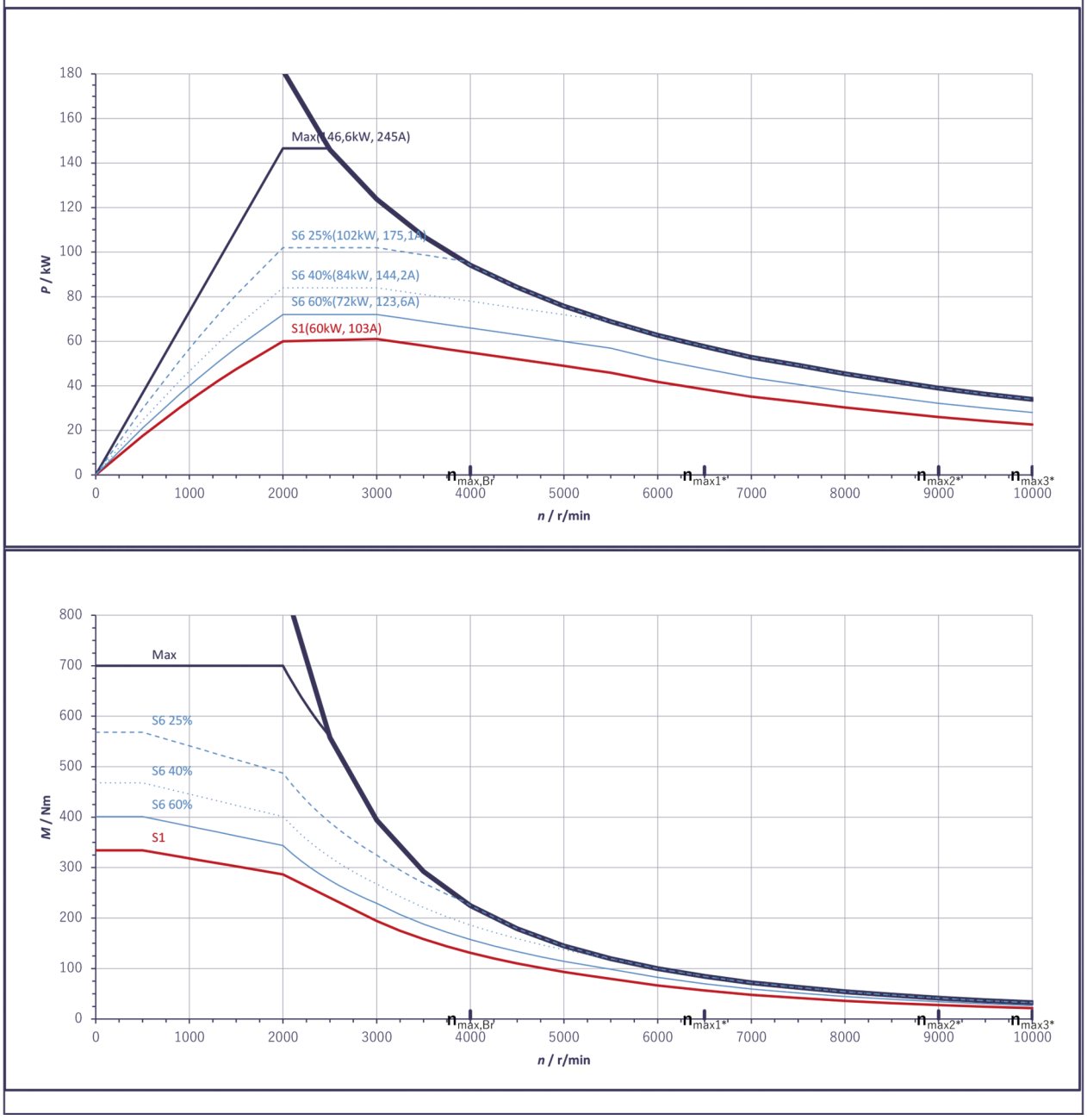


Figure 2-68 003_PD_1PH8165-1xF2_Index_ a-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8165-1□F2, 1PH8165-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	66,0	287,0	103,0	6500	9000	10000	4000	3500	700,0	245	334	112,0

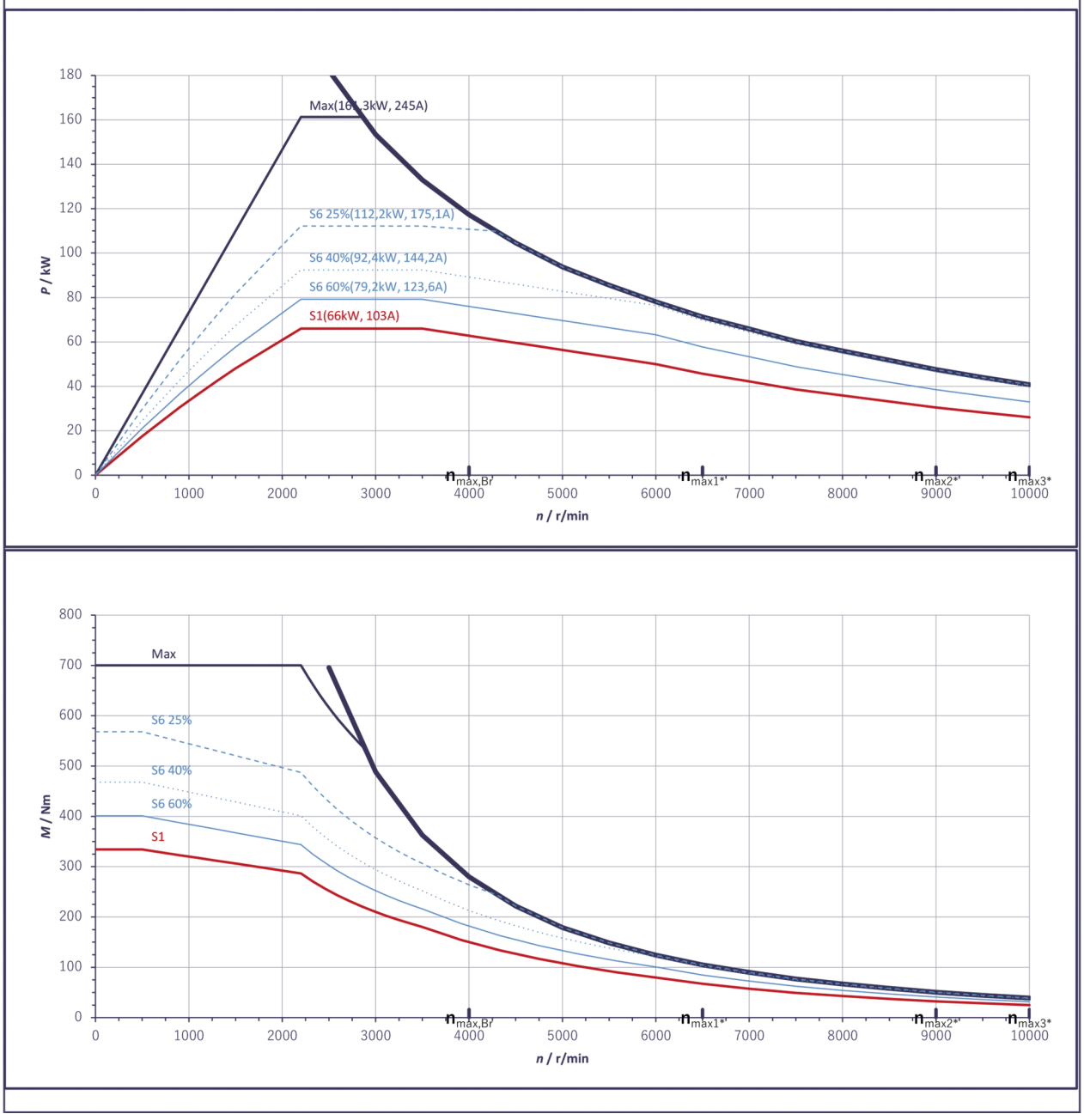


Figure 2-69 003_PD_1PH8165-1xF2_Index_ a-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8165-1□G2, 1PH8165-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	53,0	253,0	110,0	6500	9000	10000	4000	3500	600,0	250	334	140,0

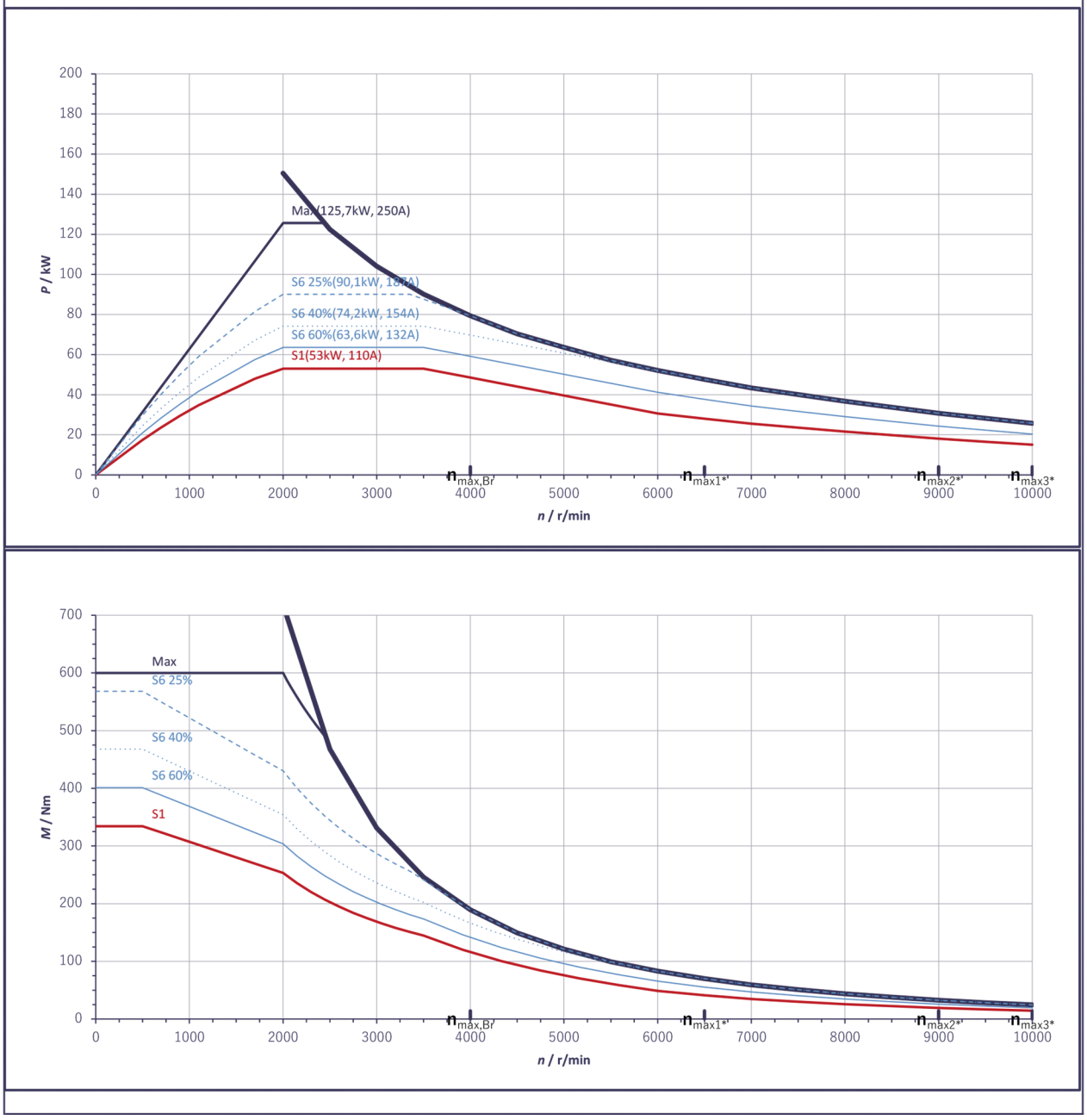


Figure 2-70 004_PD_1PH8165-1xG2_Index_ c-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8165-1□G2, 1PH8165-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	60,0	249,0	107,0	6500	9000	10000	4000	3000	600,0	250	334	140,0
2000	53,0	253	110,0					4000				

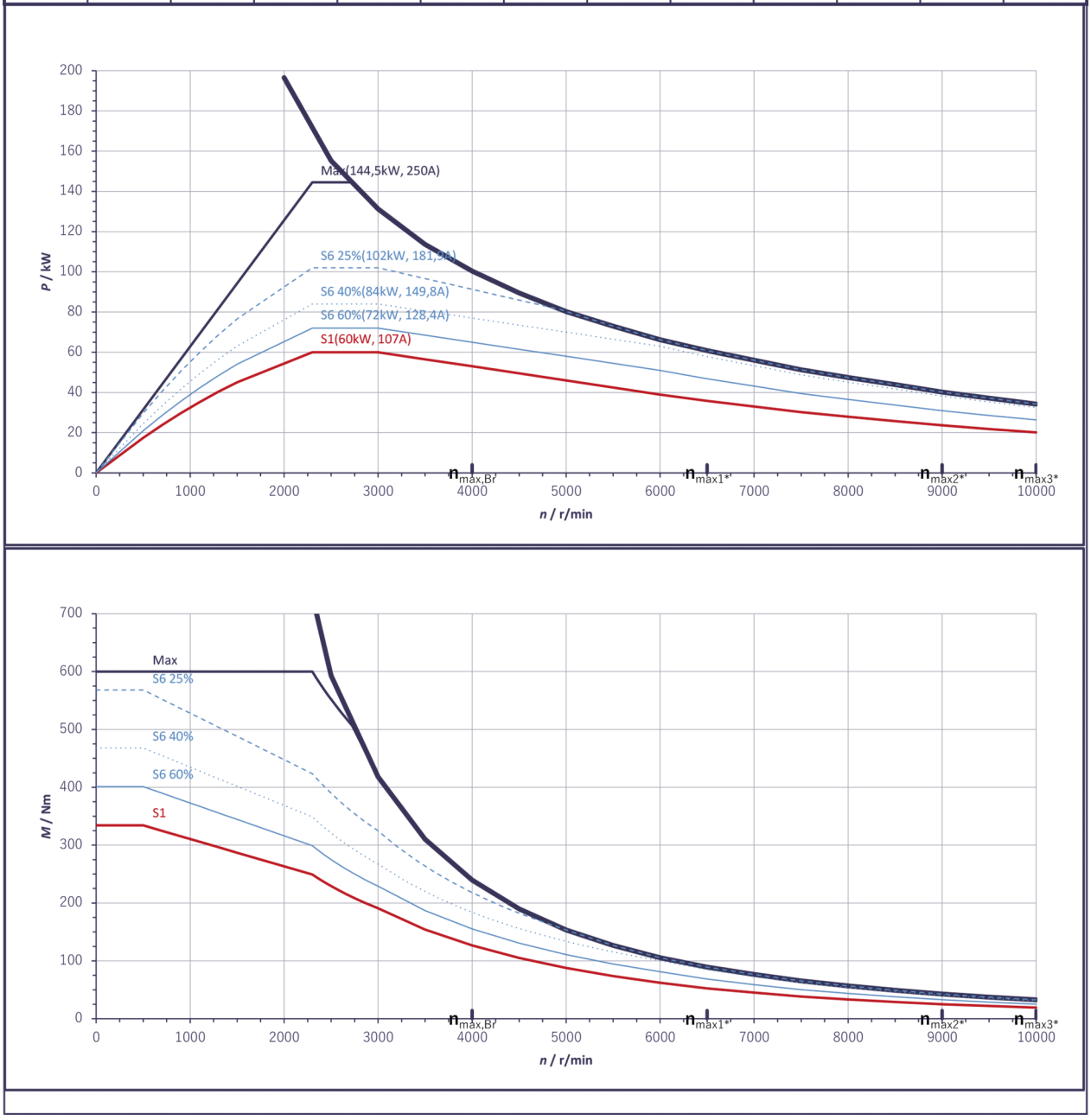


Figure 2-71 004_PD_1PH8165-1xG2_Index_ c-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8165-1□G2, 1PH8165-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	65,0	234,0	100,0	6500	9000	10000	4000	3000	600,0	250	334	140,0

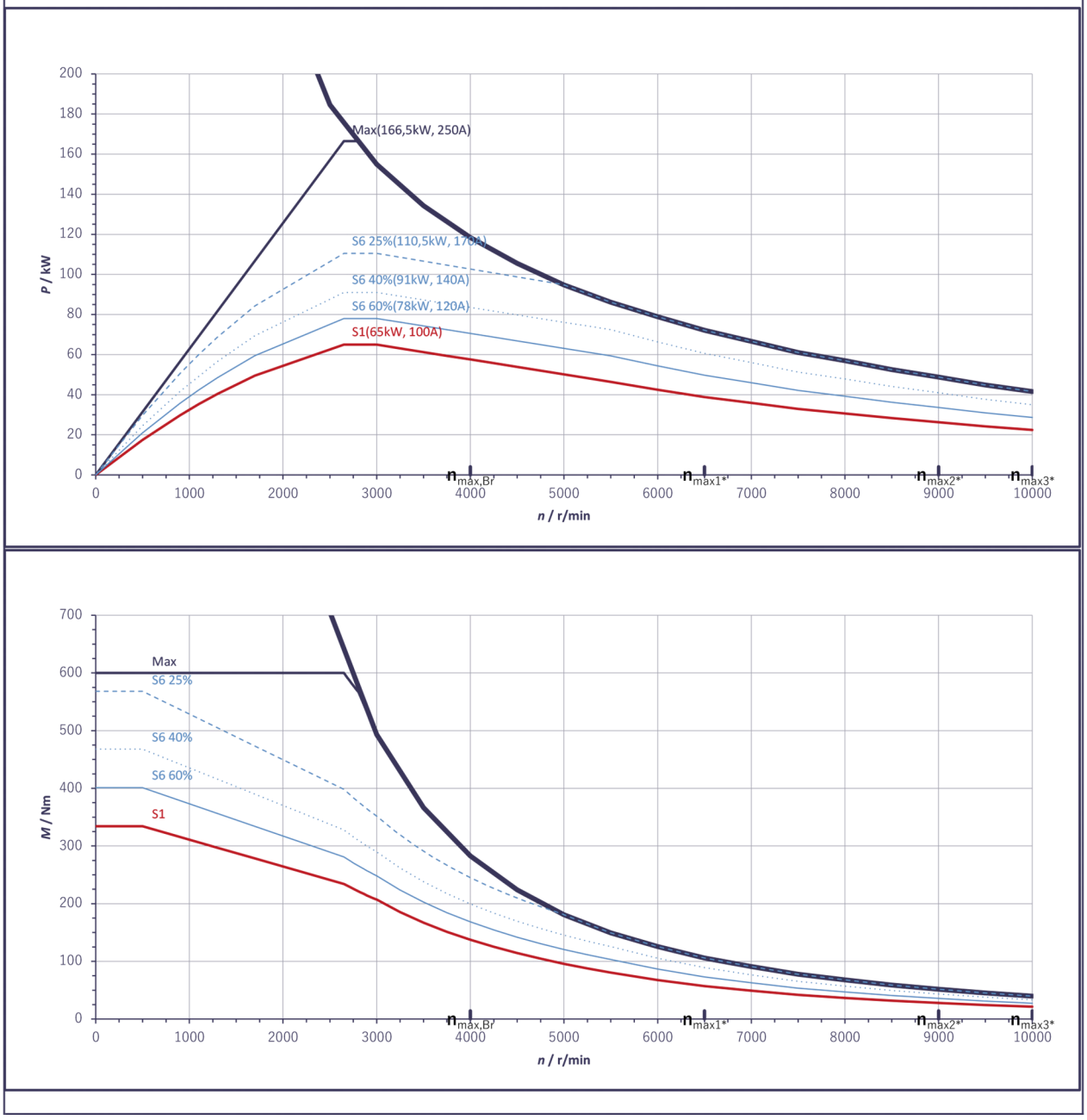


Figure 2-72 004_PD_1PH8165-1xG2_Index_ c-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8165-1□G2, 1PH8165-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	68,0	232,0	100,0	6500	9000	10000	4000	3500	600,0	250	334	140,0

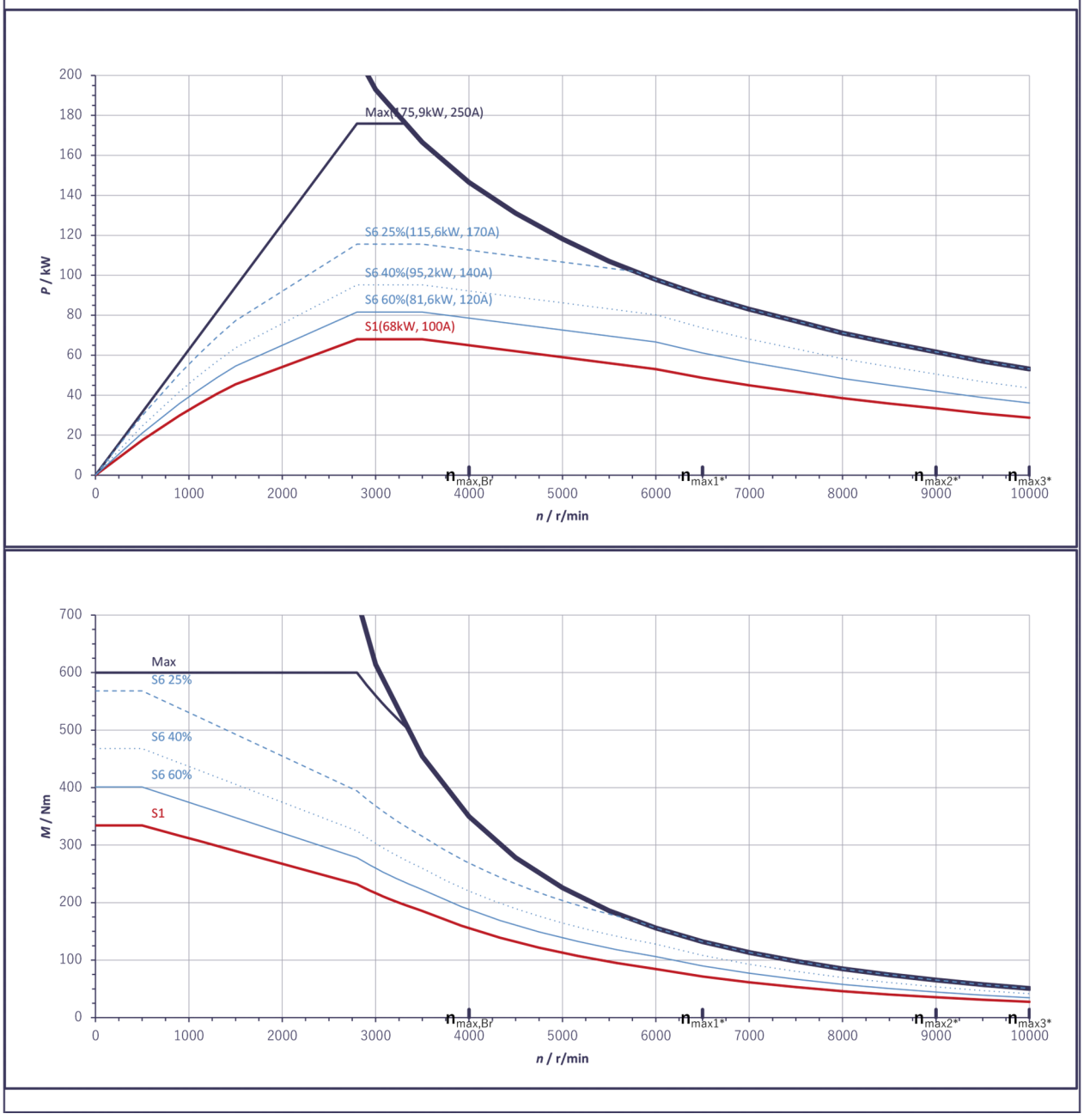


Figure 2-73 004_PD_1PH8165-1xG2_Index_ c-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8166-1□F2, 1PH8166-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1500	52,0	331,0	116,0	6500	9000	10000	4000	3000	730,0	250	353	127,0

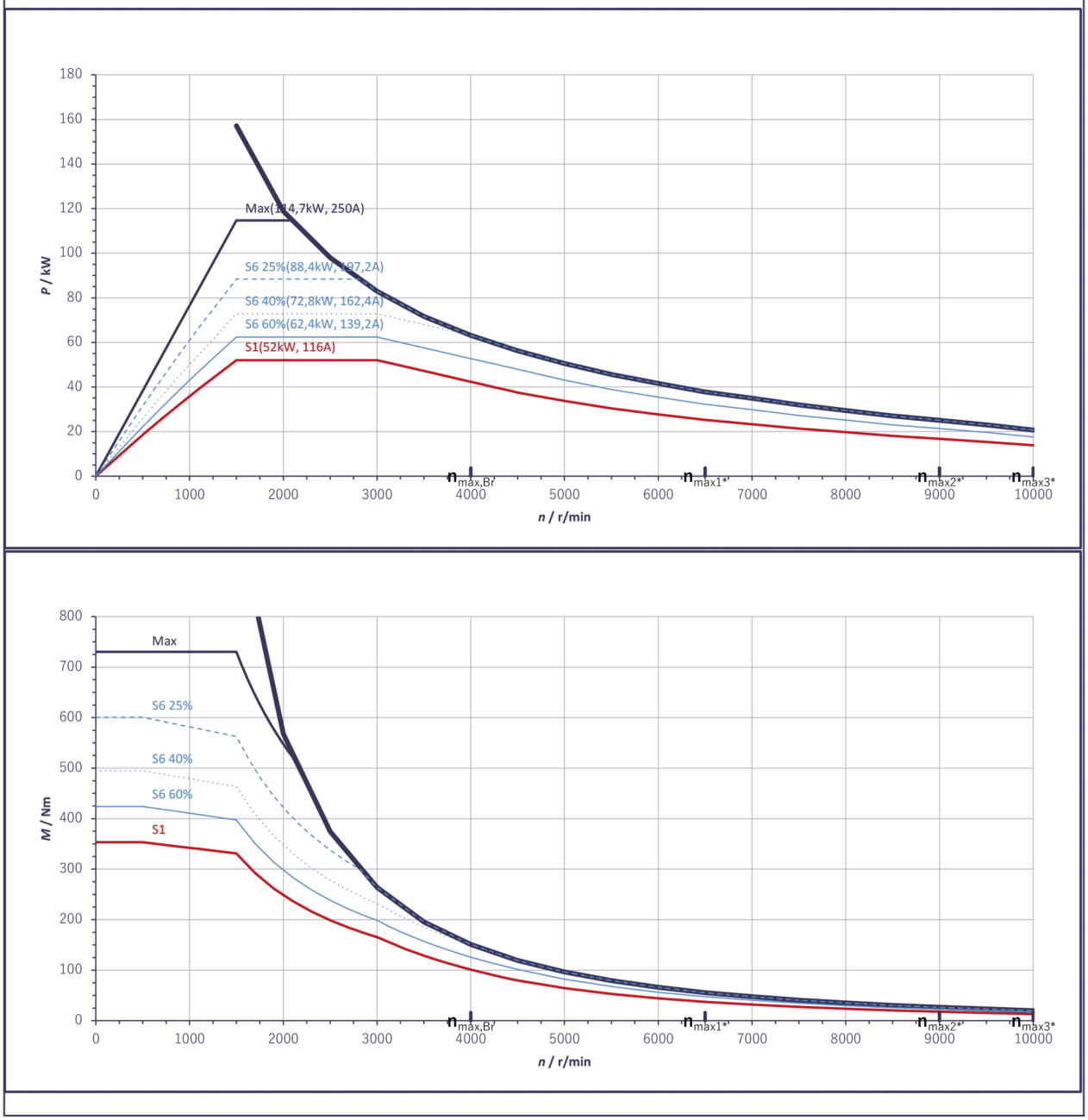
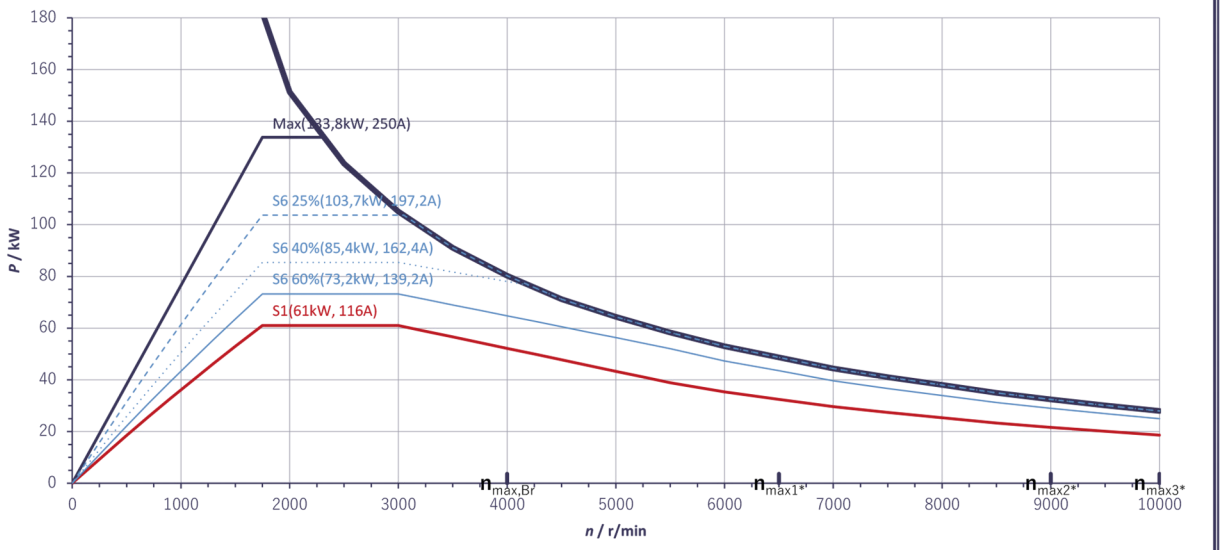


Figure 2-74 005_PD_1PH8166-1xF2_Index_ b-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8166-1□F2, 1PH8166-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
1750	61,0	333,0	116,0	6500	9000	10000	4000	3000	730,0	250	353	127,0
1500	52,0	331	116,0					4050				



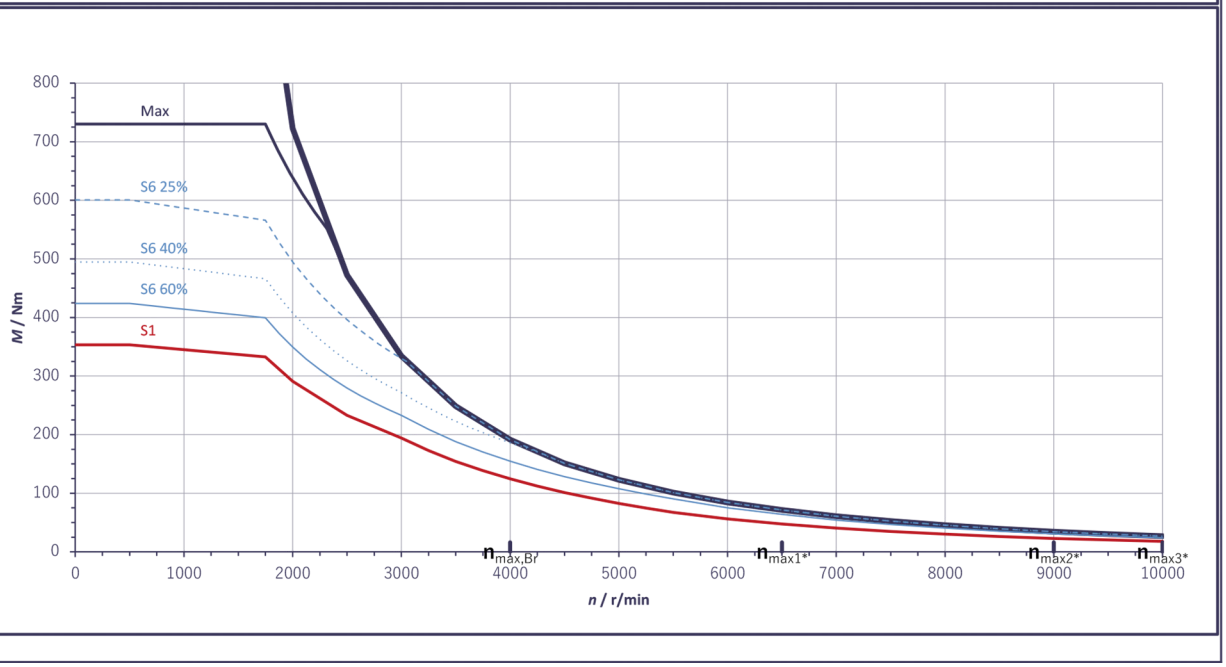


Figure 2-75 005_PD_1PH8166-1xF2_Index_ b-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8166-1□F2, 1PH8166-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	68,0	325,0	116,0	6500	9000	10000	4000	3000	730,0	250	353	127,0

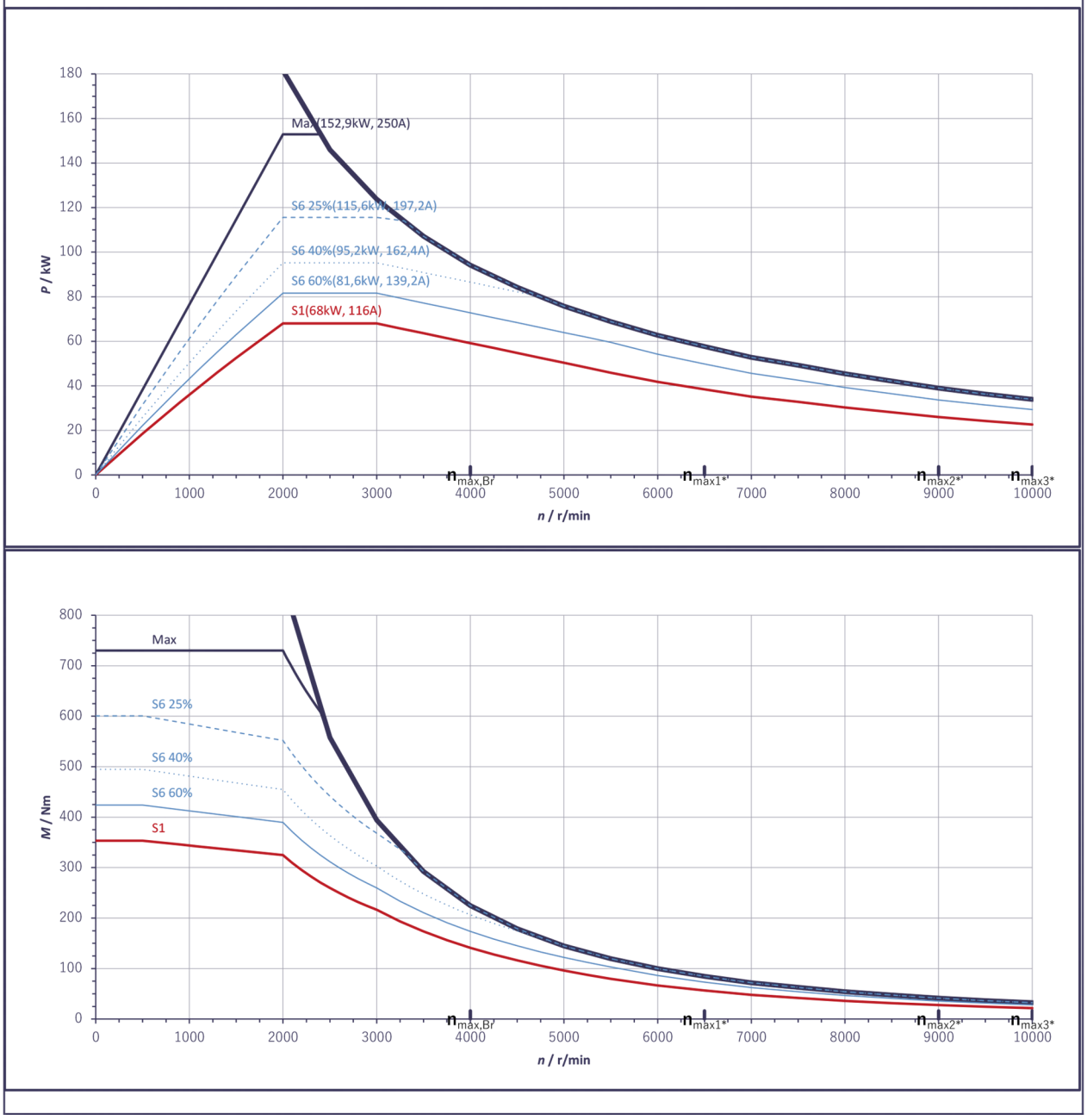


Figure 2-76 005_PD_1PH8166-1xF2_Index_ b-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8166-1□F2, 1PH8166-3□F2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2200	75,0	326,0	116,0	6500	9000	10000	4000	3500	730,0	250	353	127,0

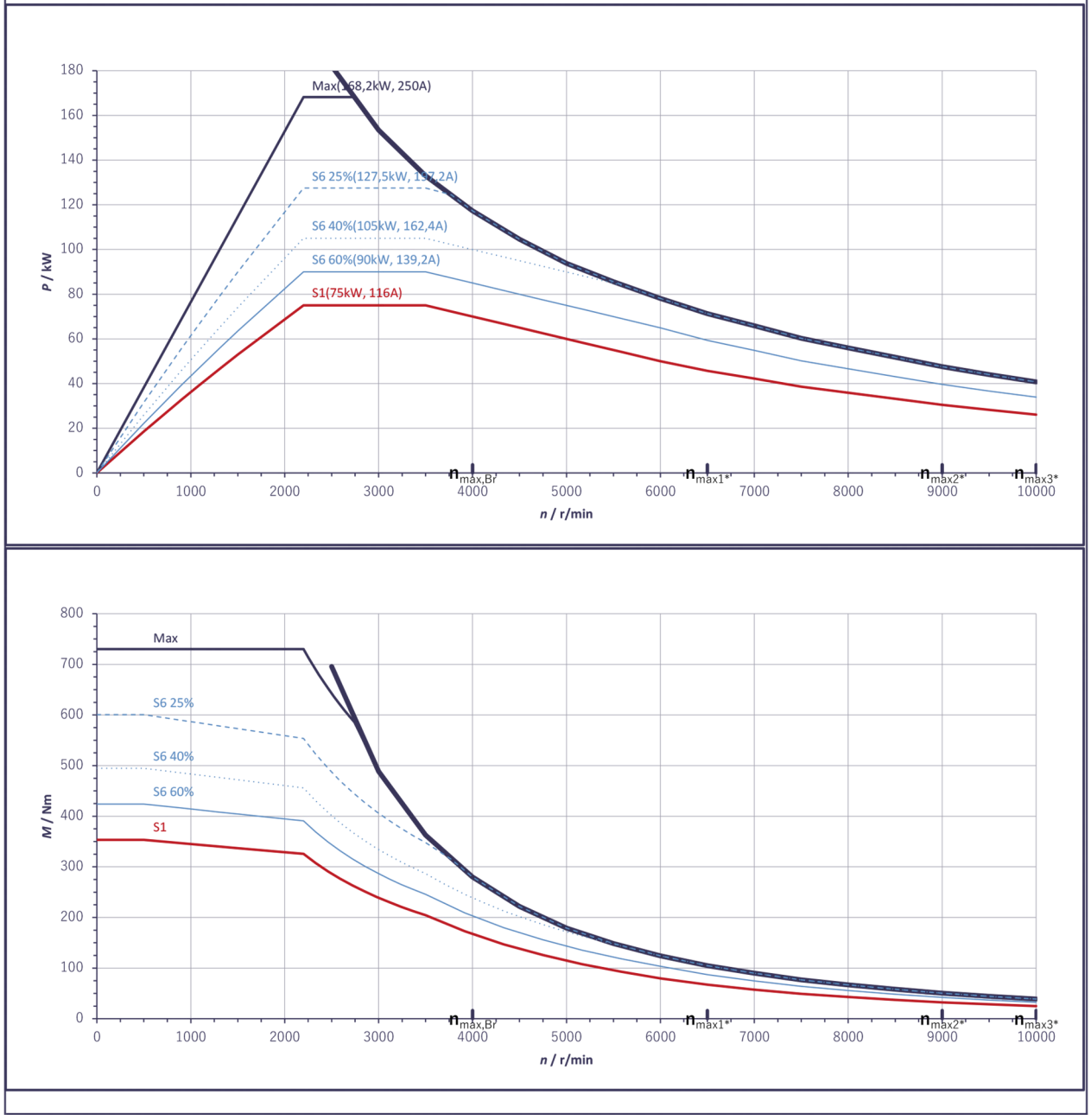


Figure 2-77 005_PD_1PH8166-1xF2_Index_ b-4_04

SINAMICS, 3 AC 400V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8166-1□G2, 1PH8166-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_0
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2000	64,0	306,0	125,0	6500	9000	10000	4000	3000	600,0	241	353	147,0

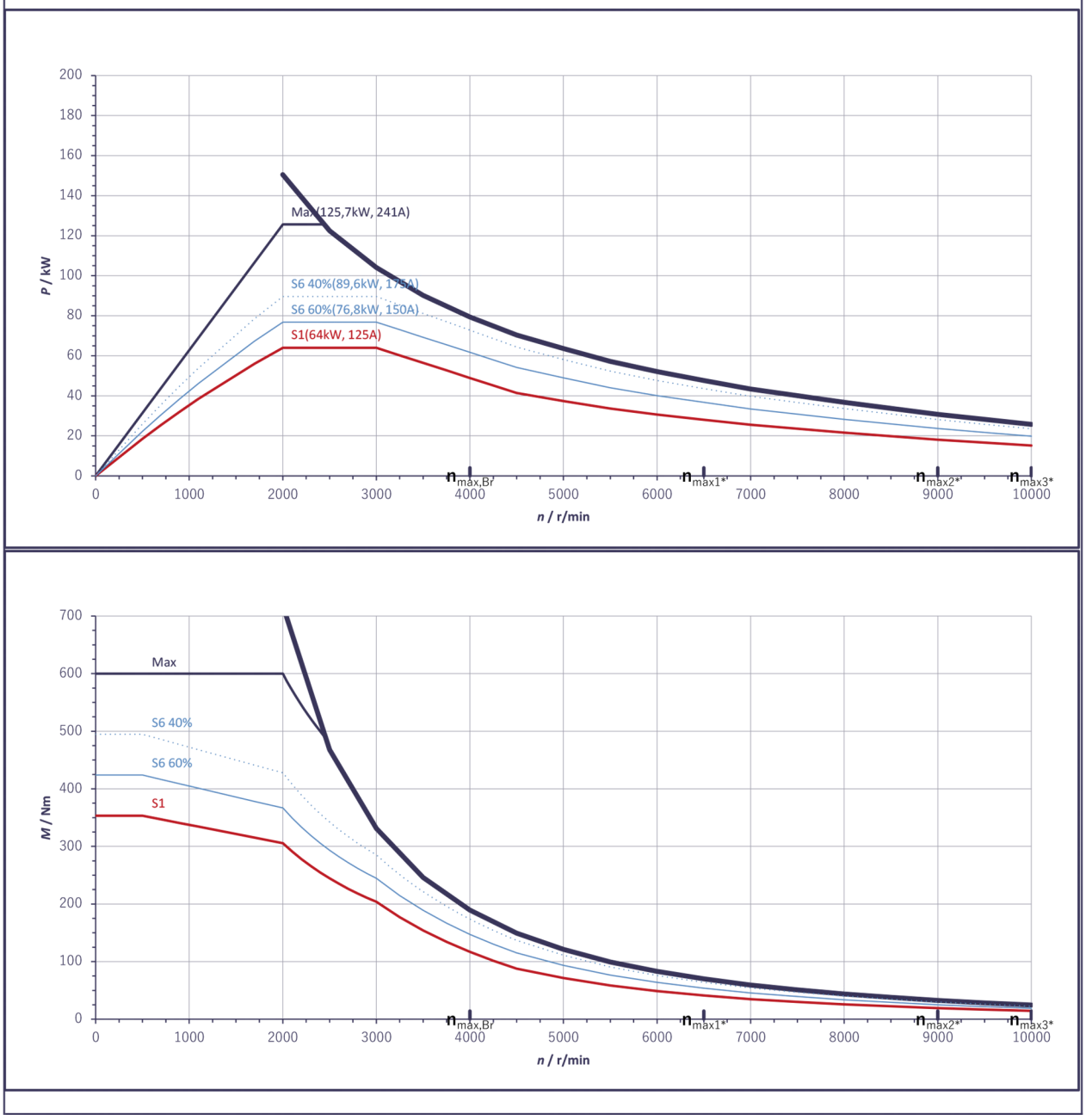
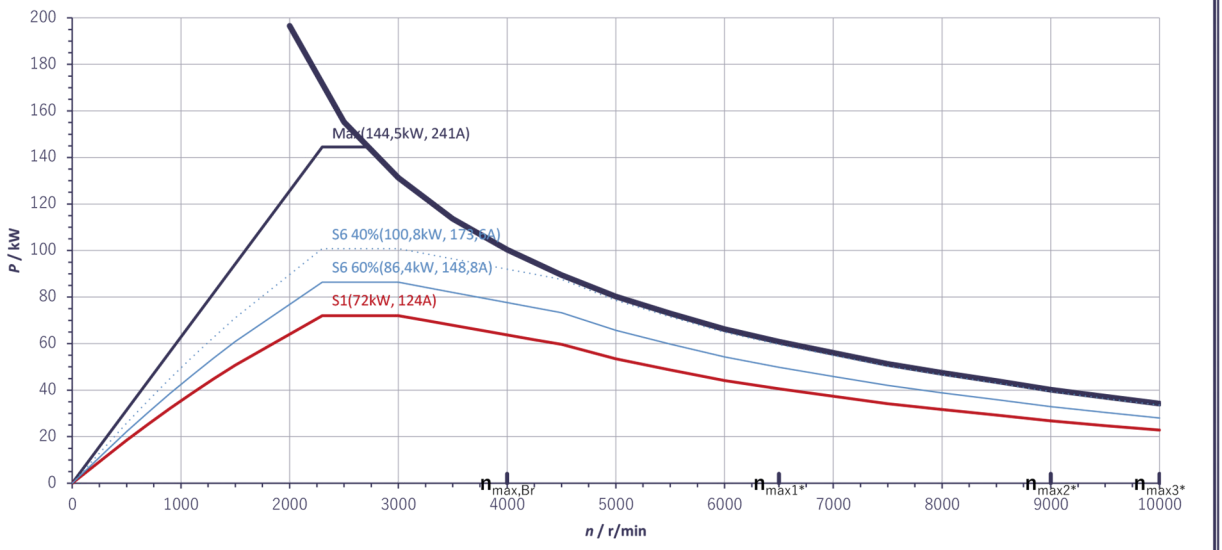


Figure 2-78 006_PD_1PH8166-1xG2_Index_ a-1_01

SINAMICS, 3 AC 400V, Active Line Module (ALM)
Induction motor 1PH8166-1□G2, 1PH8166-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2300	72,0	299,0	124,0	6500	9000	10000	4000	3000	600,0	241	353	147,0
2000	64,0	306	125,0					4000				



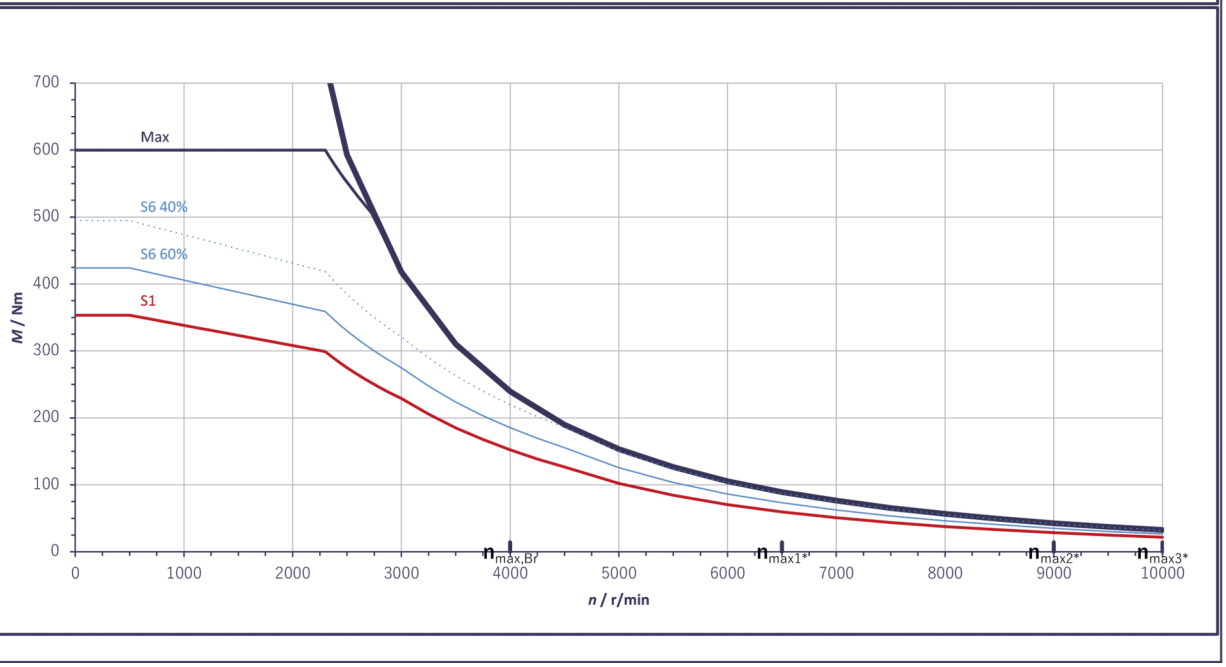


Figure 2-79 006_PD_1PH8166-1xG2_Index_ a-2_02

SINAMICS, 3 AC 480V, Smart/Basic Line Module (SLM/BLM)
Induction motor 1PH8166-1□G2, 1PH8166-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2650	83,0	299,0	125,0	6500	9000	10000	4000	3000	600,0	241	353	147,0

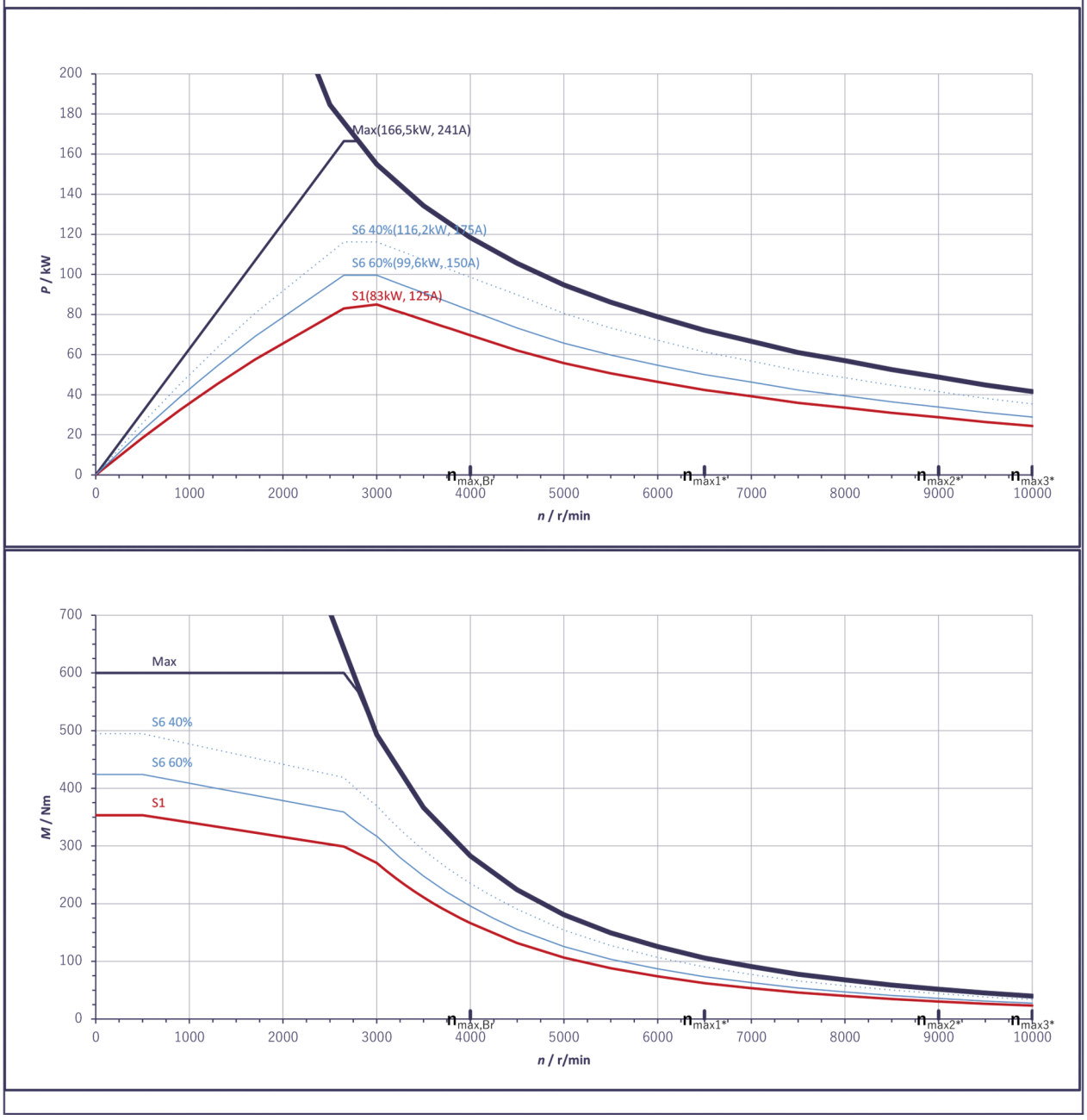


Figure 2-80 006_PD_1PH8166-1xG2_Index_ a-3_03

SINAMICS, 3 AC 480V, Active Line Module (ALM)
Induction motor 1PH8166-1□G2, 1PH8166-3□G2 in Star-connection

n_N	P_N	M_N	I_N	n_{max1*}	n_{max2*}	n_{max3*}	$n_{max,Br}$	n_2	M_{max}	I_{max}	M_0	I_o
r/min	kW	Nm	A	r/min	r/min	r/min	r/min	r/min	Nm	A	Nm	A
2800	87,0	297,0	124,0	6500	9000	10000	4000	3500	600,0	241	353	147,0

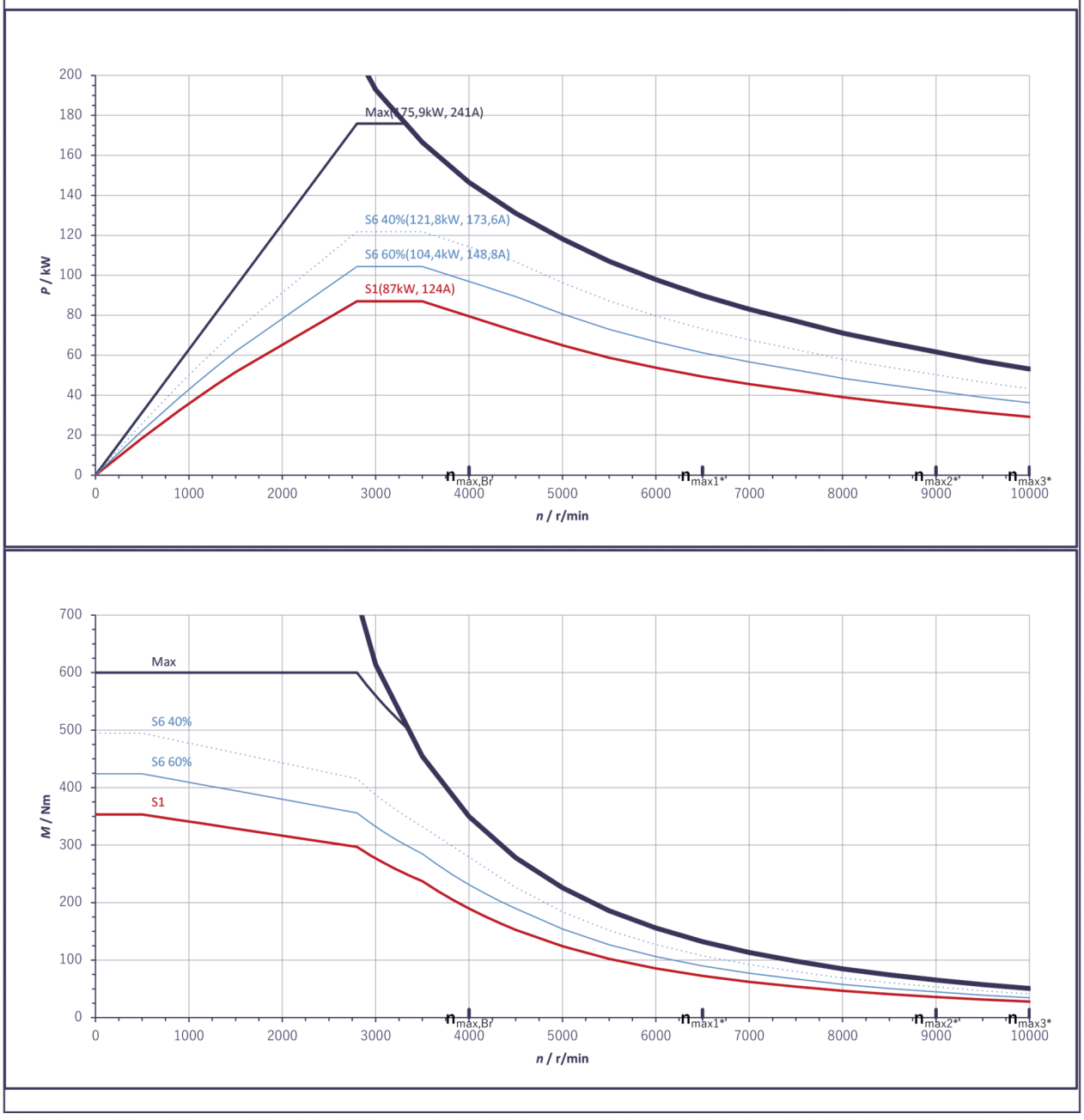
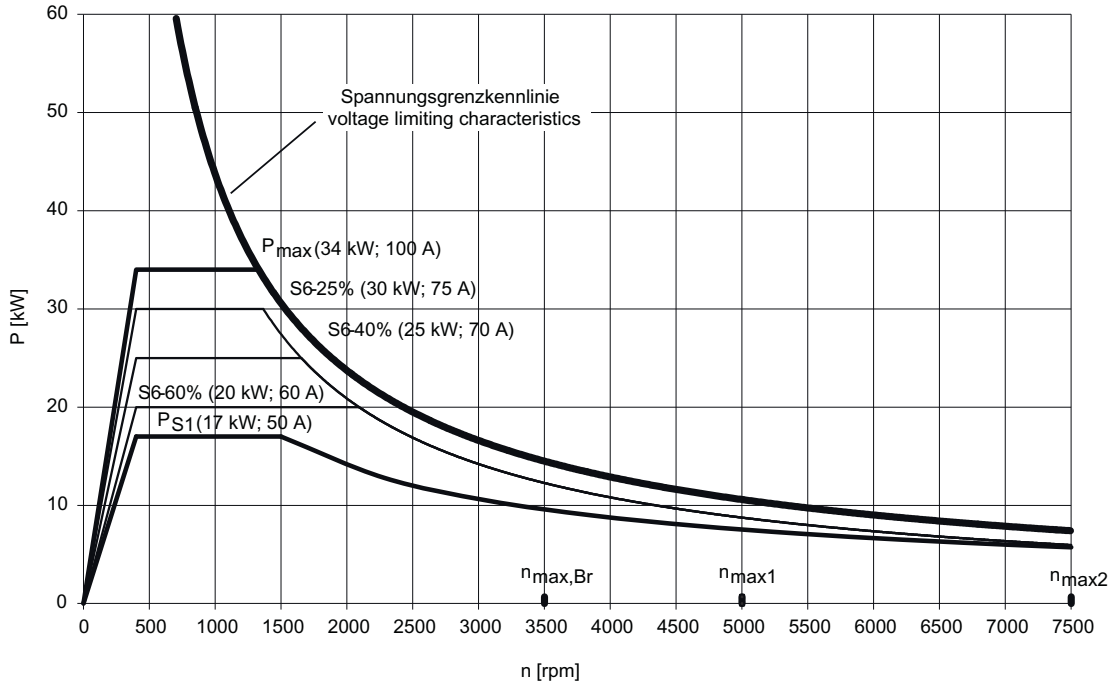


Figure 2-81 006_PD_1PH8166-1xG2_Index_ a-4_04

2.3.6 Shaft height 180 - water-cooled

Table 2-340 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	17	406	50	5,000	7,500	-	3,500	1,500	812	100	406	50



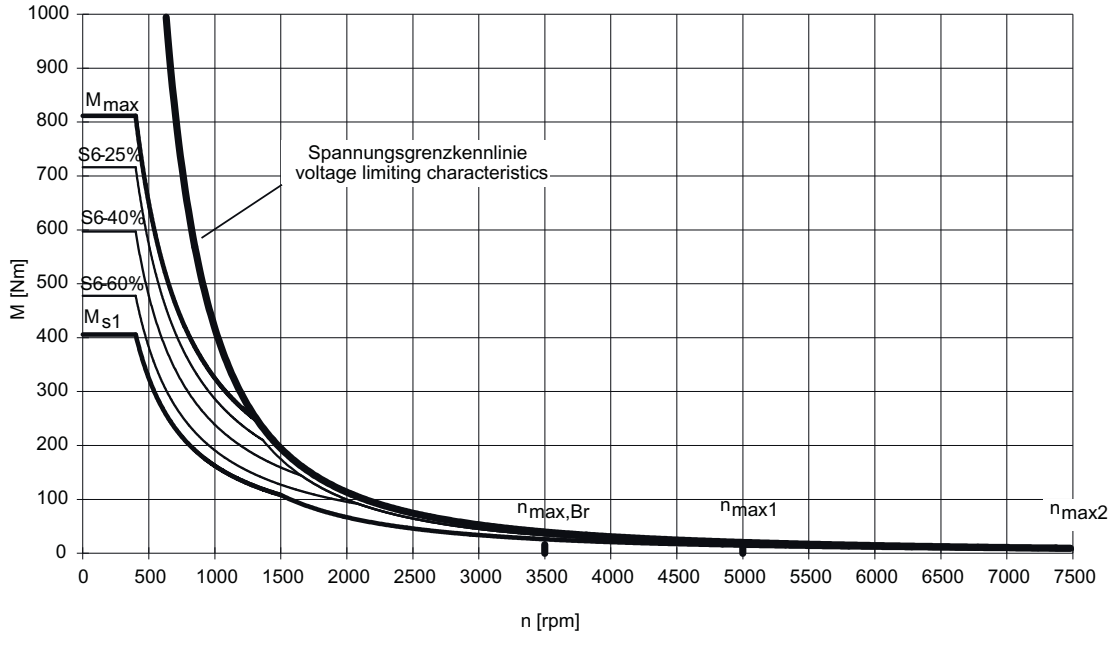
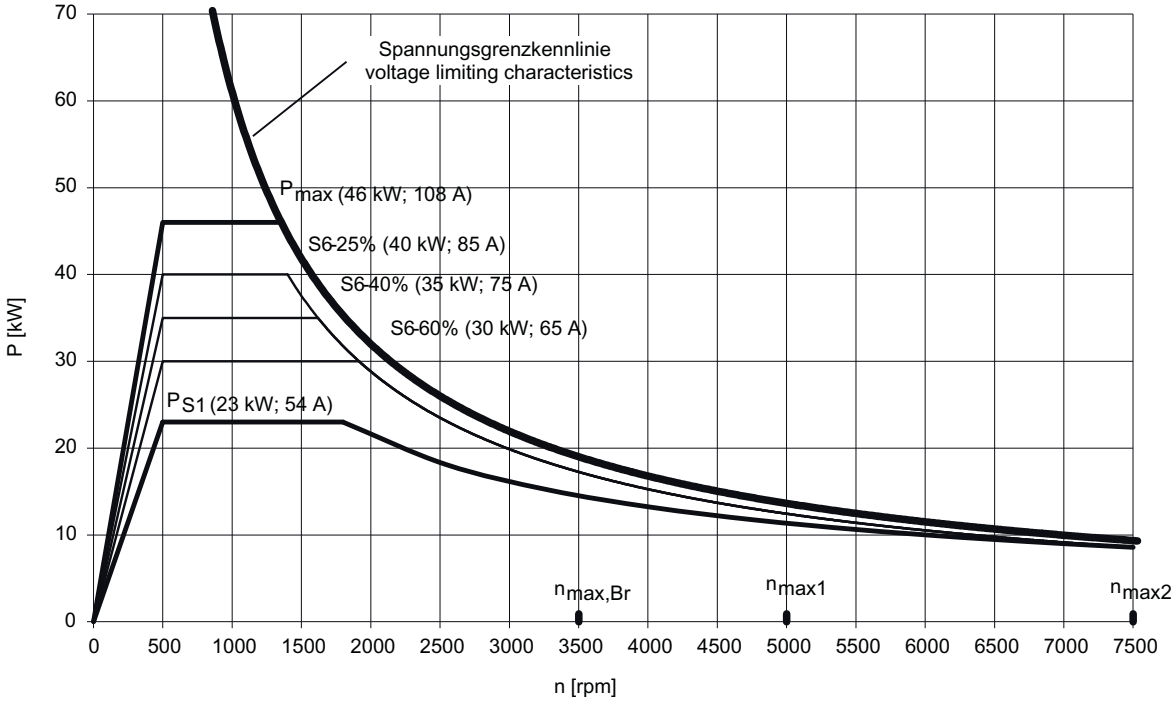


Table 2-341 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8184-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	23	439	54	5,000	7,500	-	3,500	1,800	879	108	439	54
400	18	439	54					2,500				



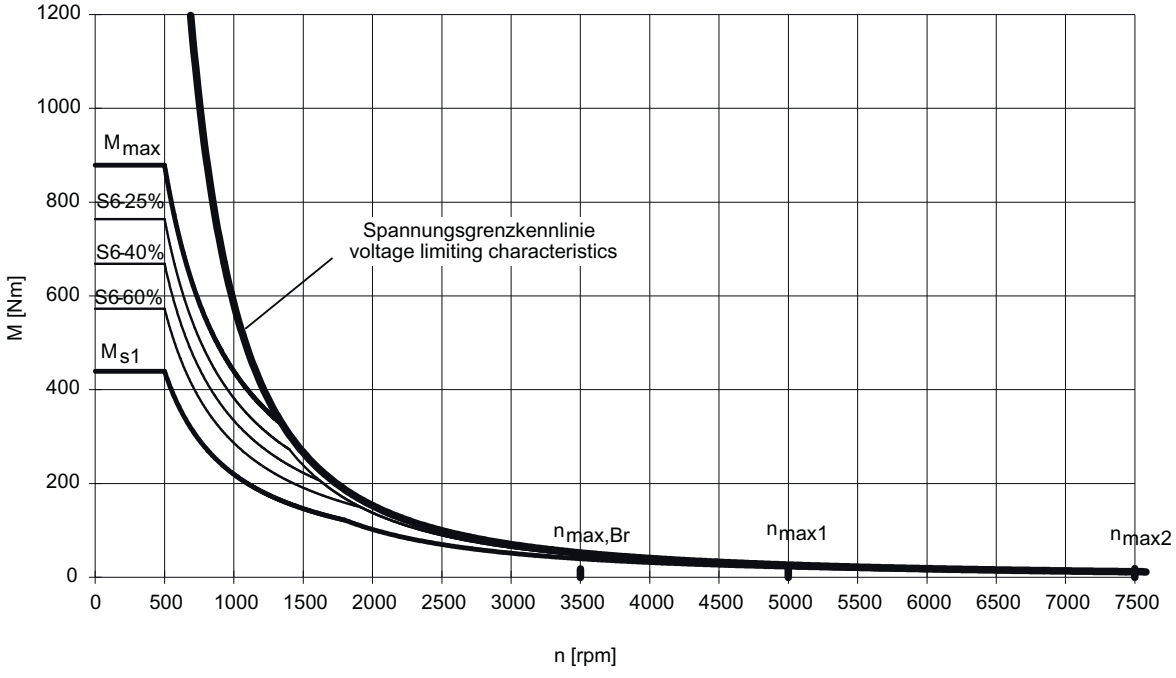


Table 2-342 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8184-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	29	462	55	5,000	7,500	-	3,500	1,800	923	110	462	55

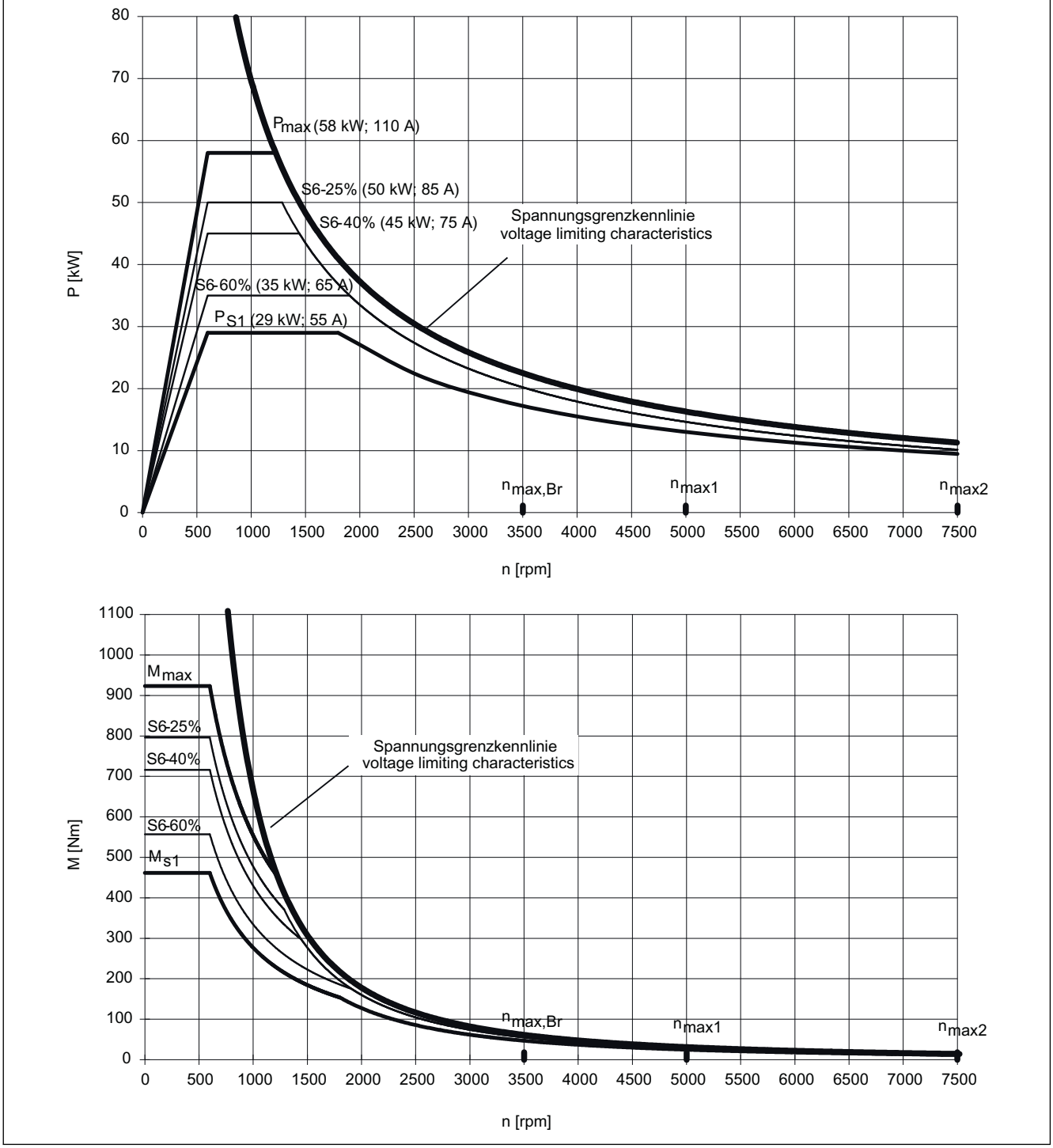
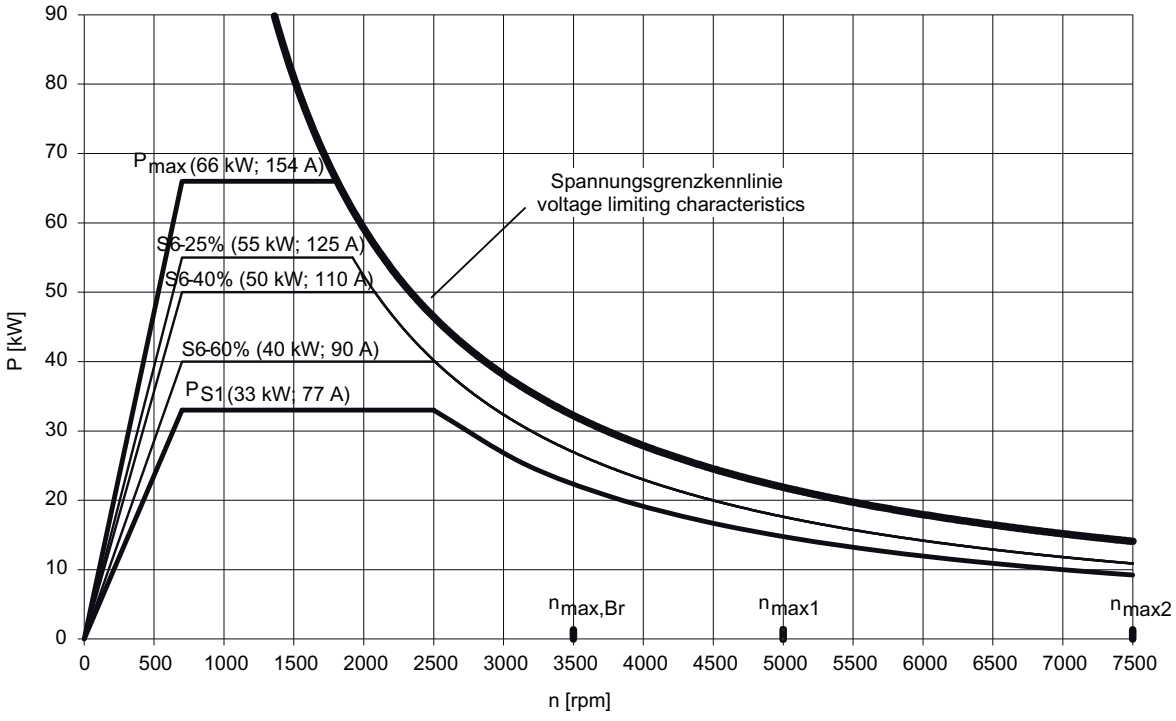


Table 2-343 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	33	450	77	5,000	7,500	-	3,500	2,500	900	154	450	77



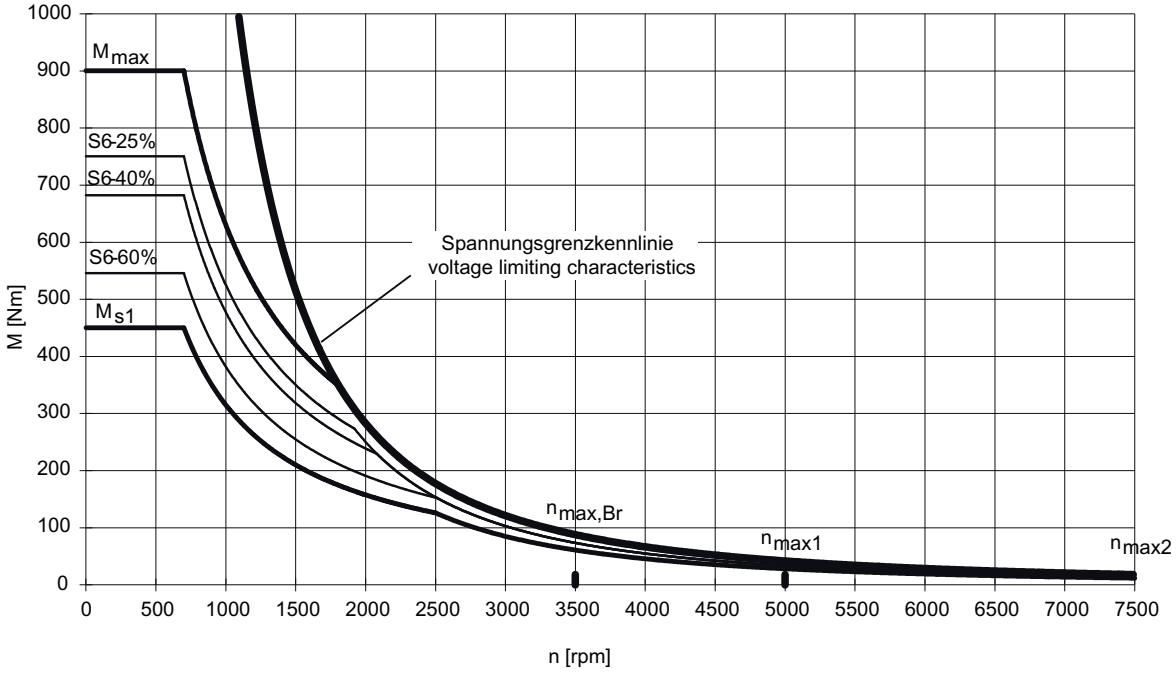


Table 2-344 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8184-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	38	454	77	5,000	7,500	-	3,500	2,900	907	154	454	77
700	33	454	77					3,300				

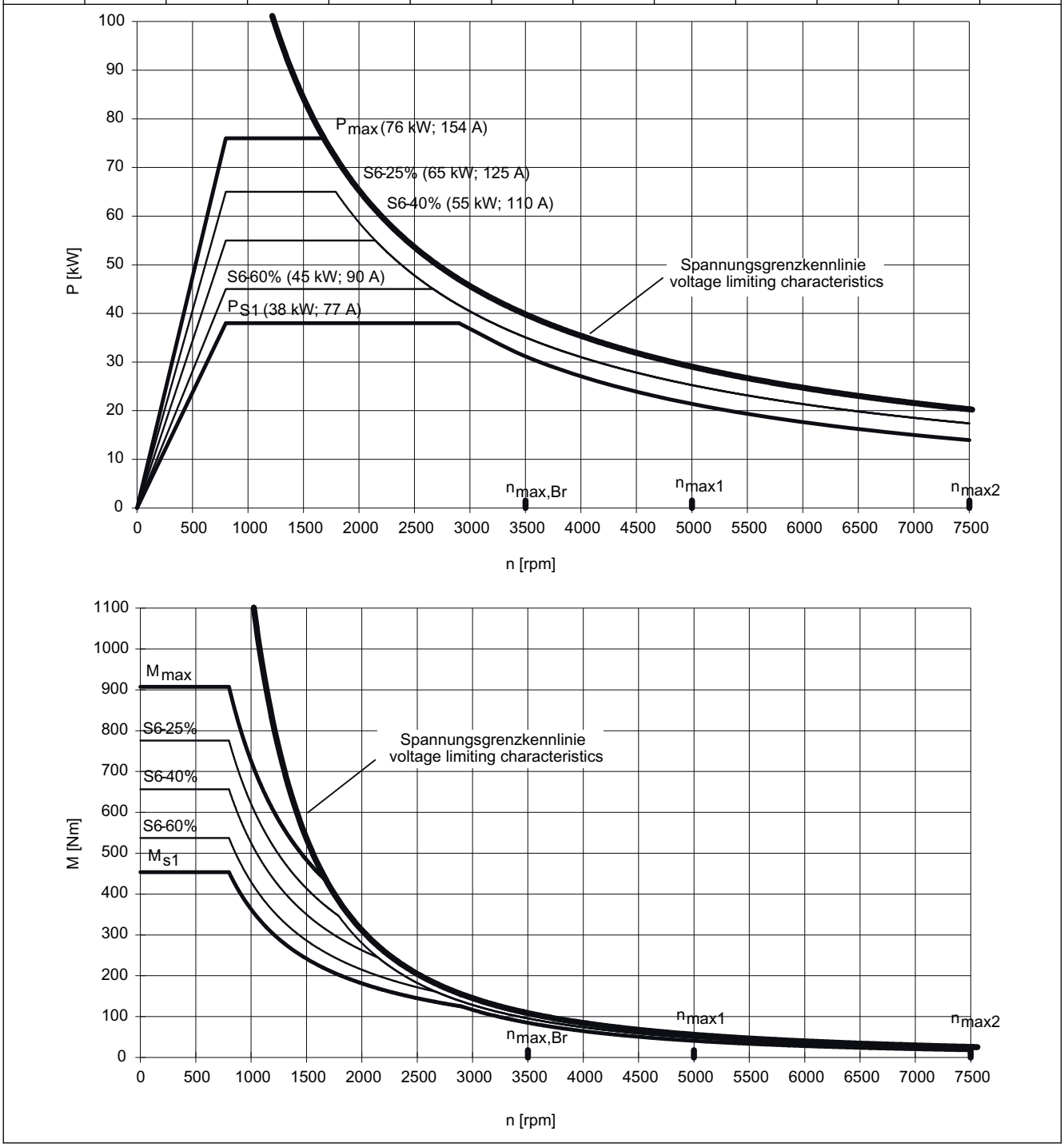


Table 2-345 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8184-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	48	458	77	5,000	7,500	-	3,500	3,100	917	154	458	77

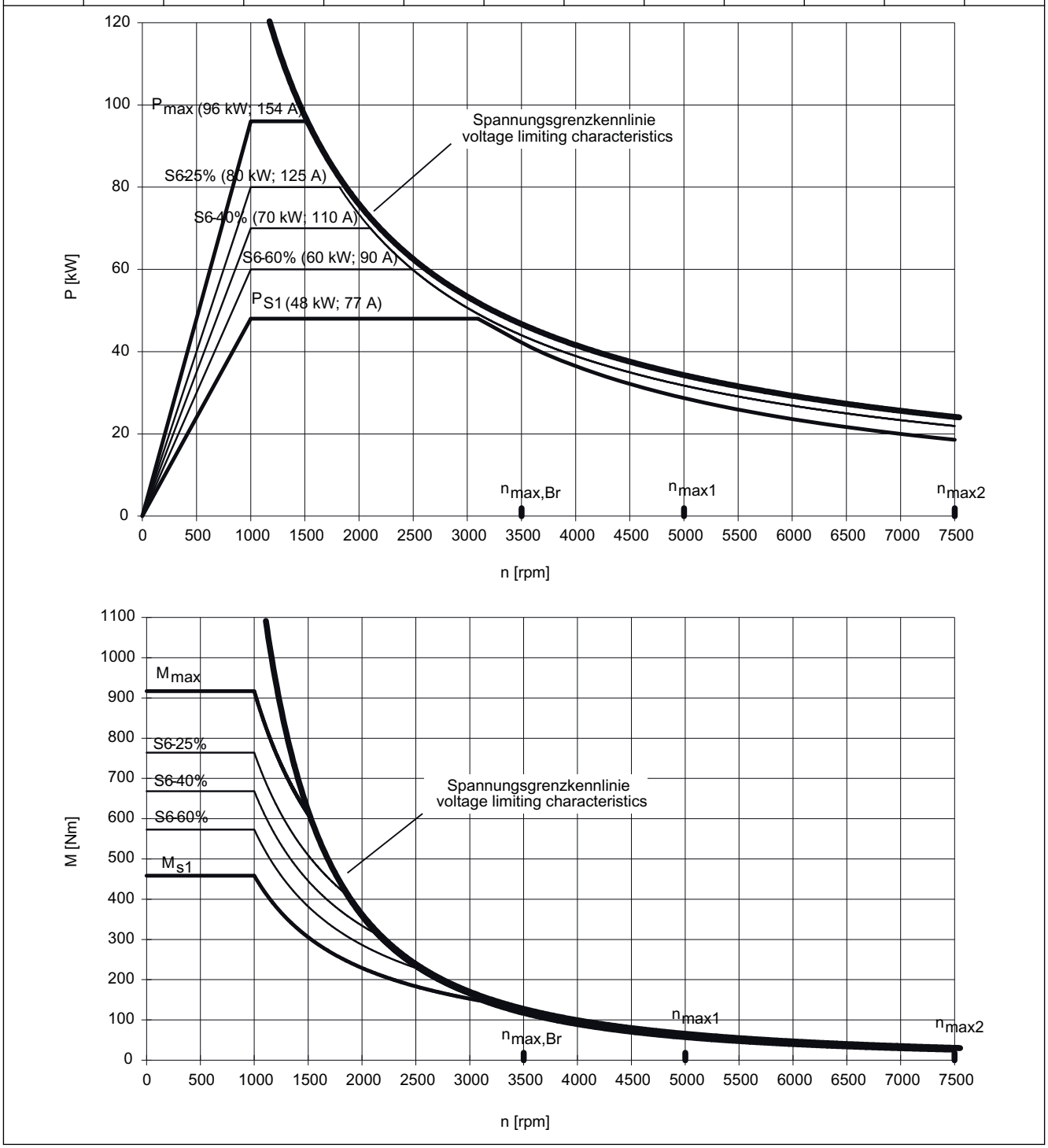
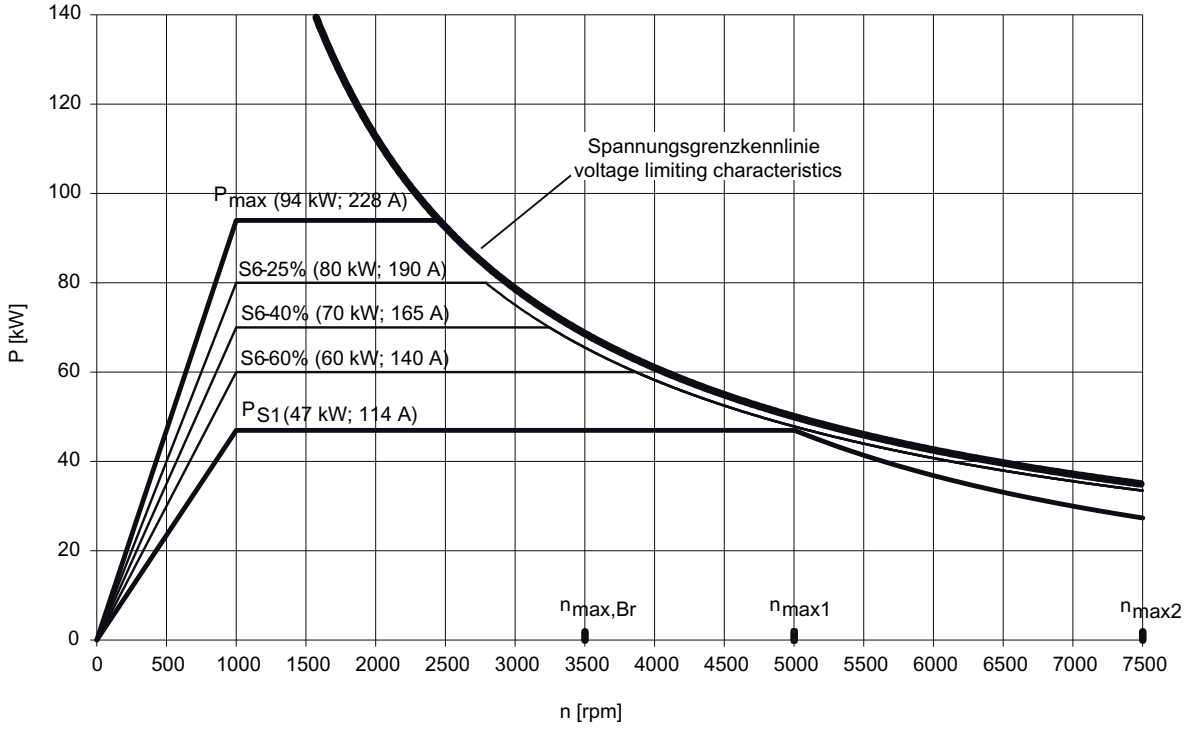


Table 2-346 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	47	449	114	5,000	7,500	-	3,500	5,000	898	228	449	114



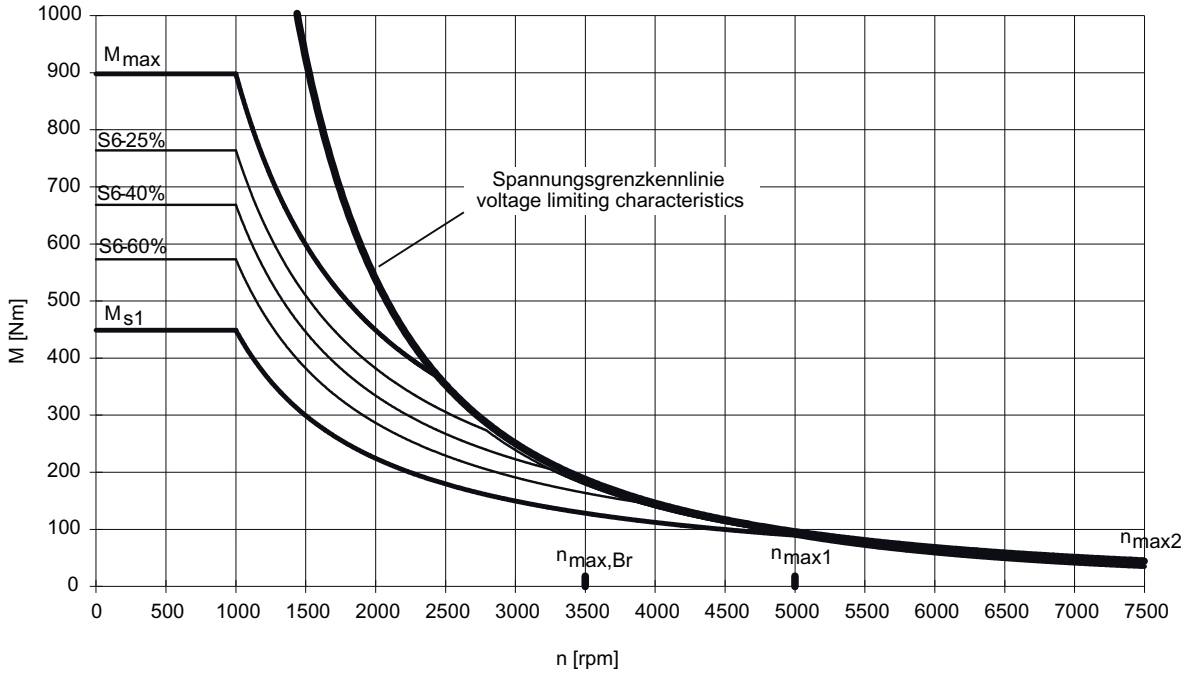


Table 2-347 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8184-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	54	448	112	5,000	7,500	-	3,500	5,000	897	224	448	112
1,000	47	448	112					5,500				

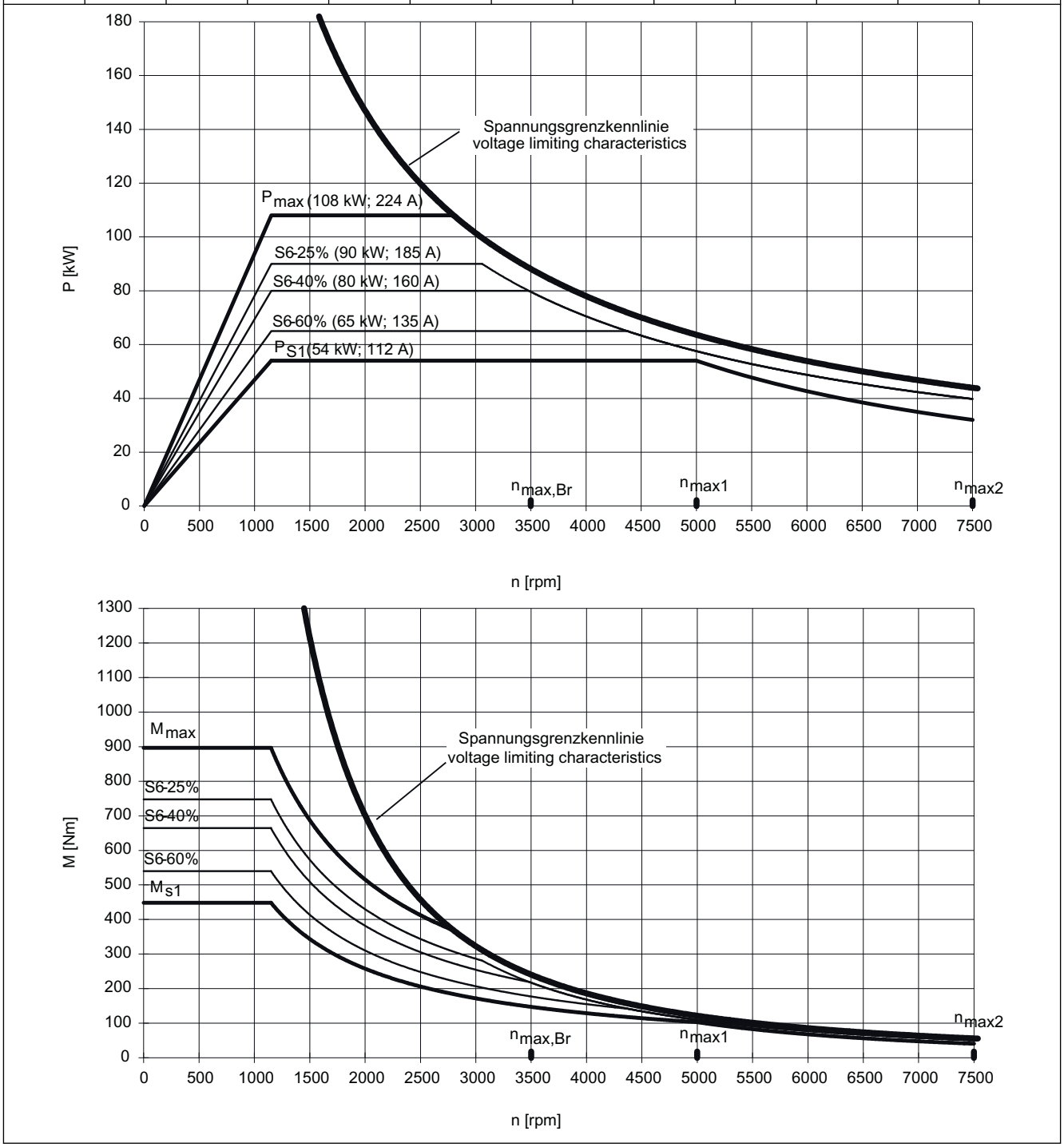


Table 2-348 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8184-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	64	453	112	5,000	7,500	-	3,500	5,000	905	224	453	112

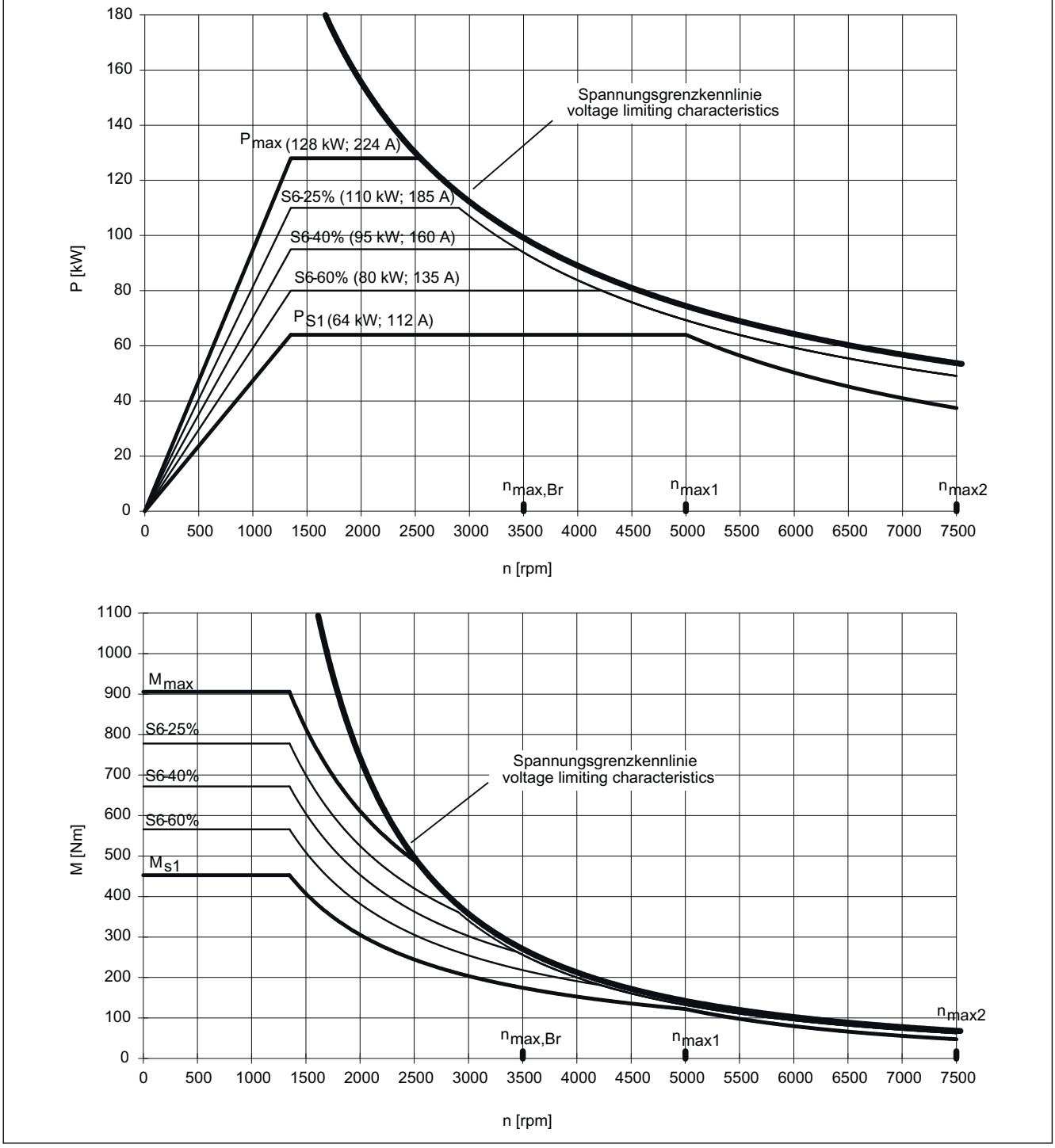


Table 2-349 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	70	446	150	5,000	7,500	-	3,500	5,000	891	300	446	150

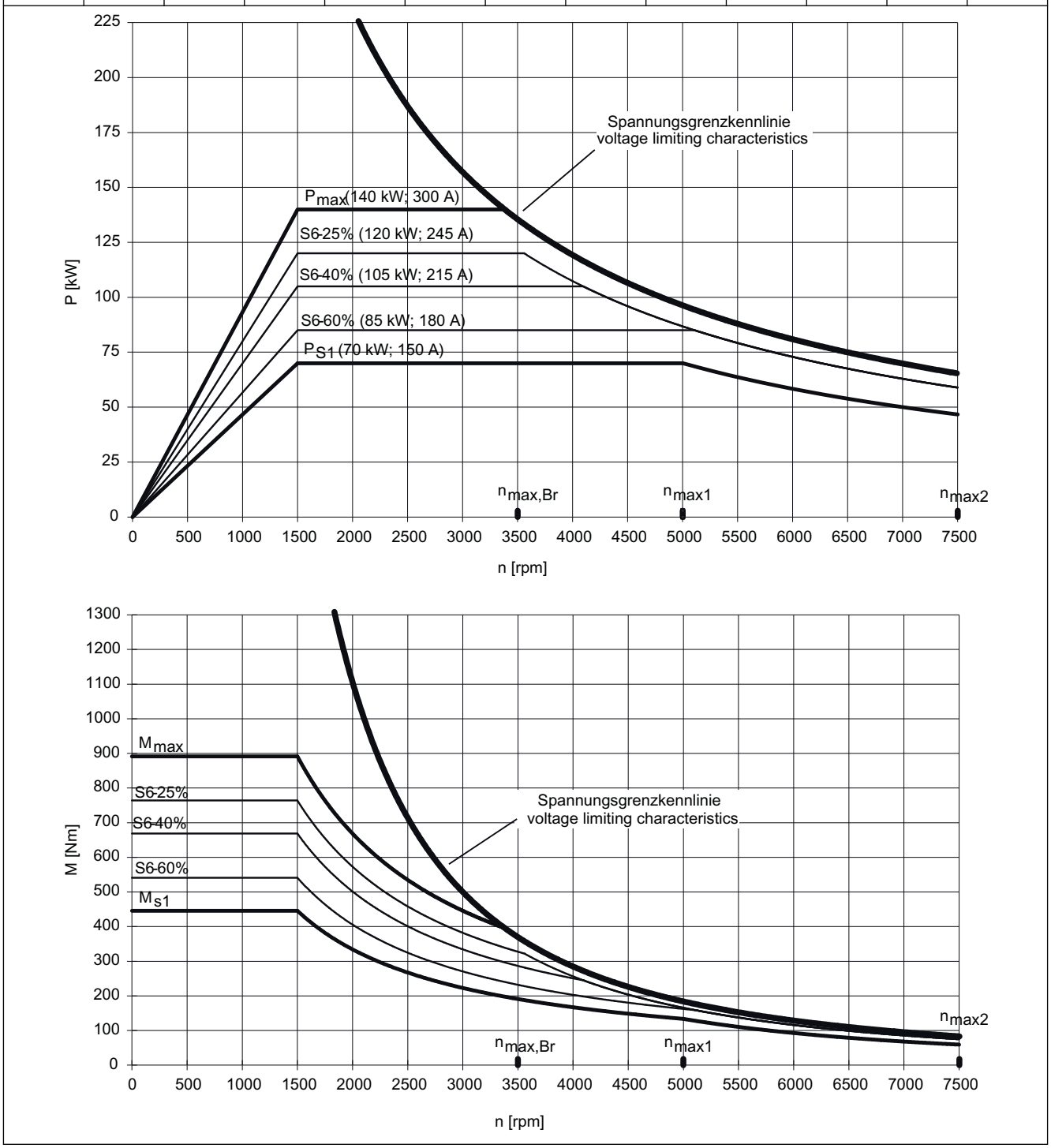
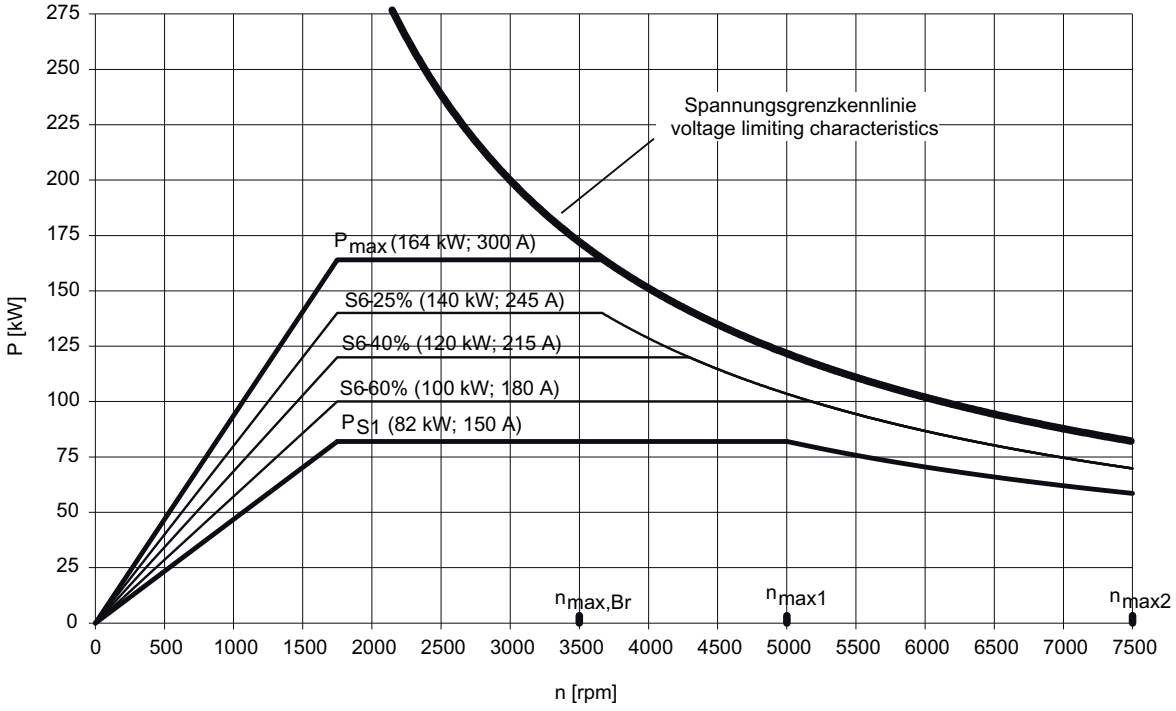


Table 2-350 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8184-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	82	447	150	5,000	7,500	-	3,500	5,000	895	300	447	150
1,500	70	447	150					4,000				



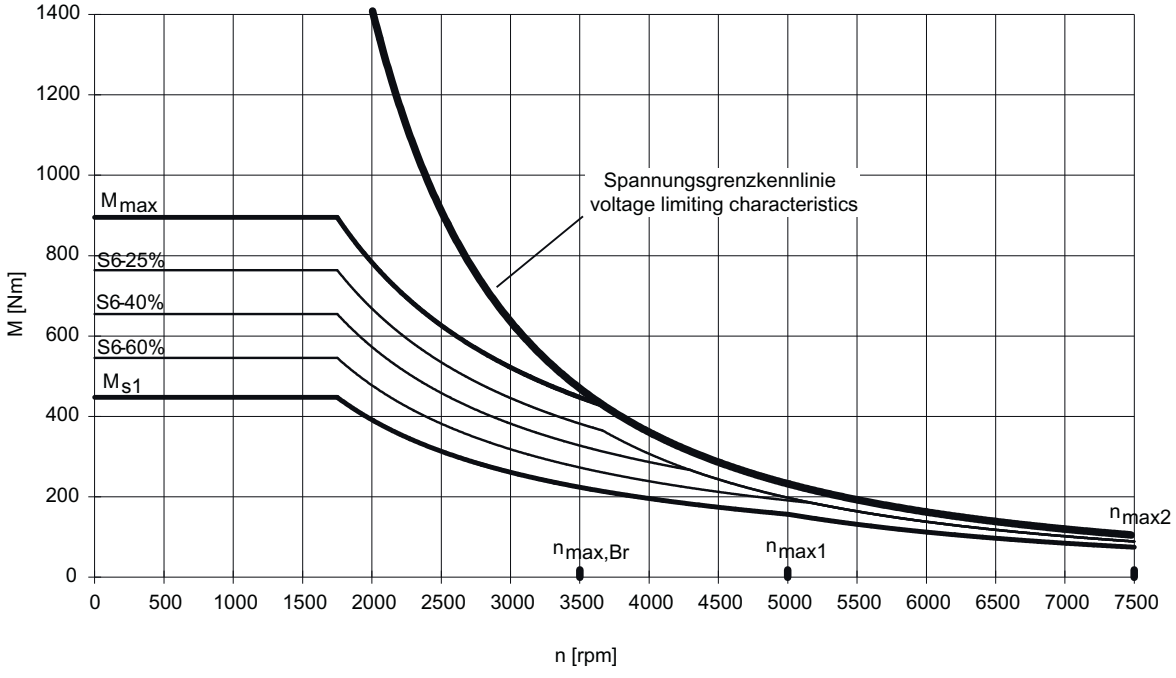


Table 2-351 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8184-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	95	454	152	5,000	7,500	-	3,500	5,000	907	304	454	152

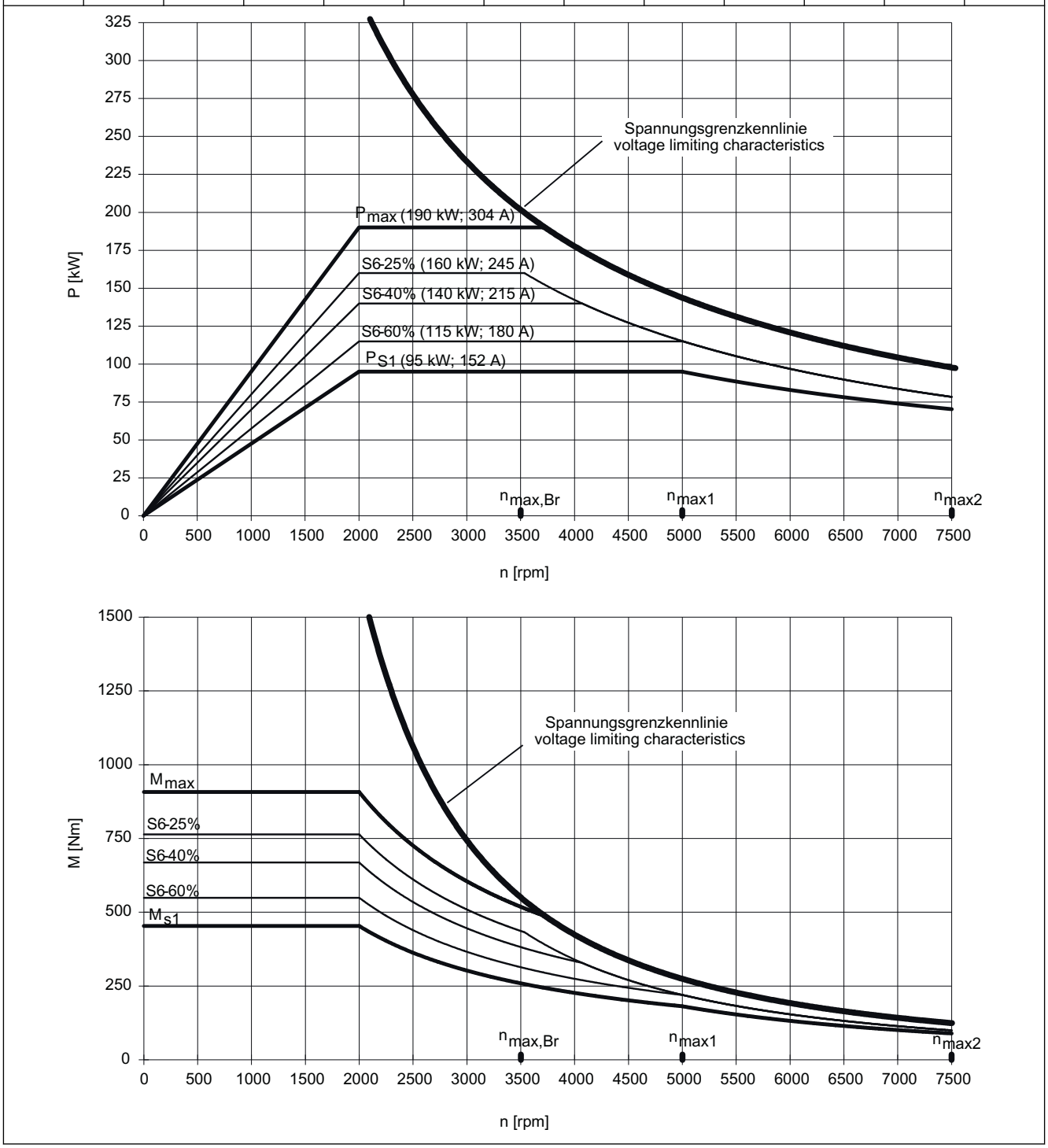
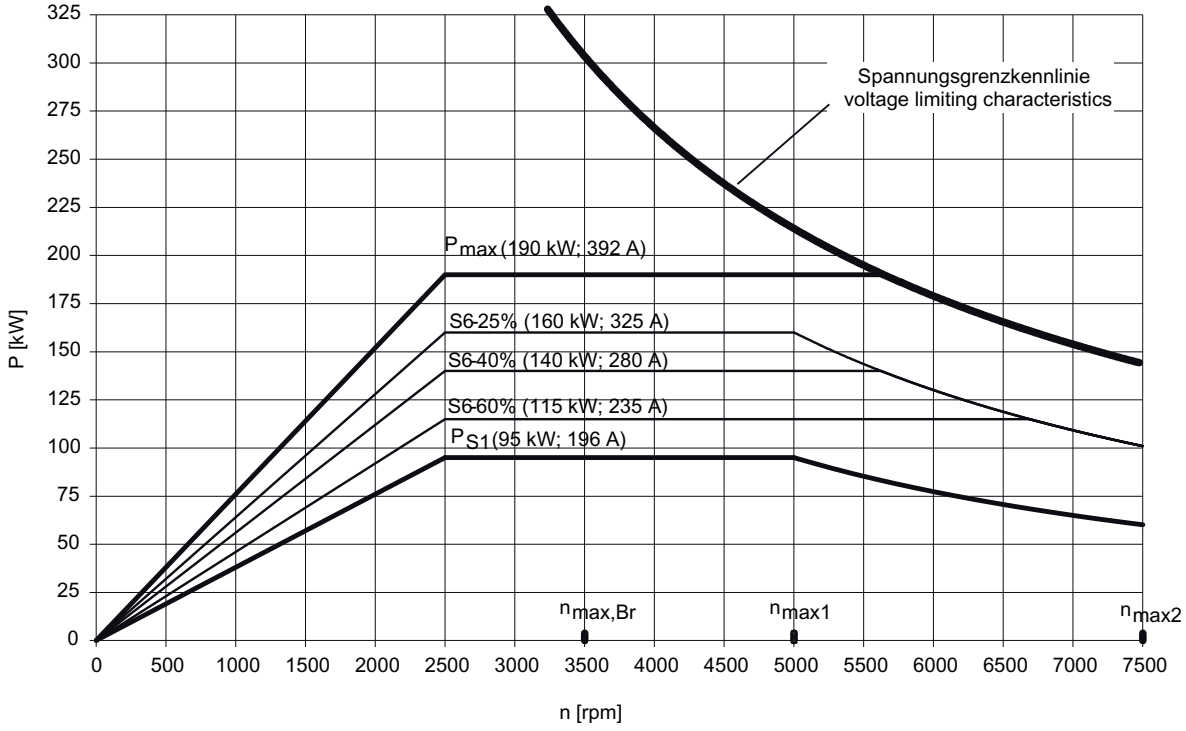


Table 2-352 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8184-□□L2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,500	95	363	196	5,000	7,500	-	3,500	5,000	726	392	363	196



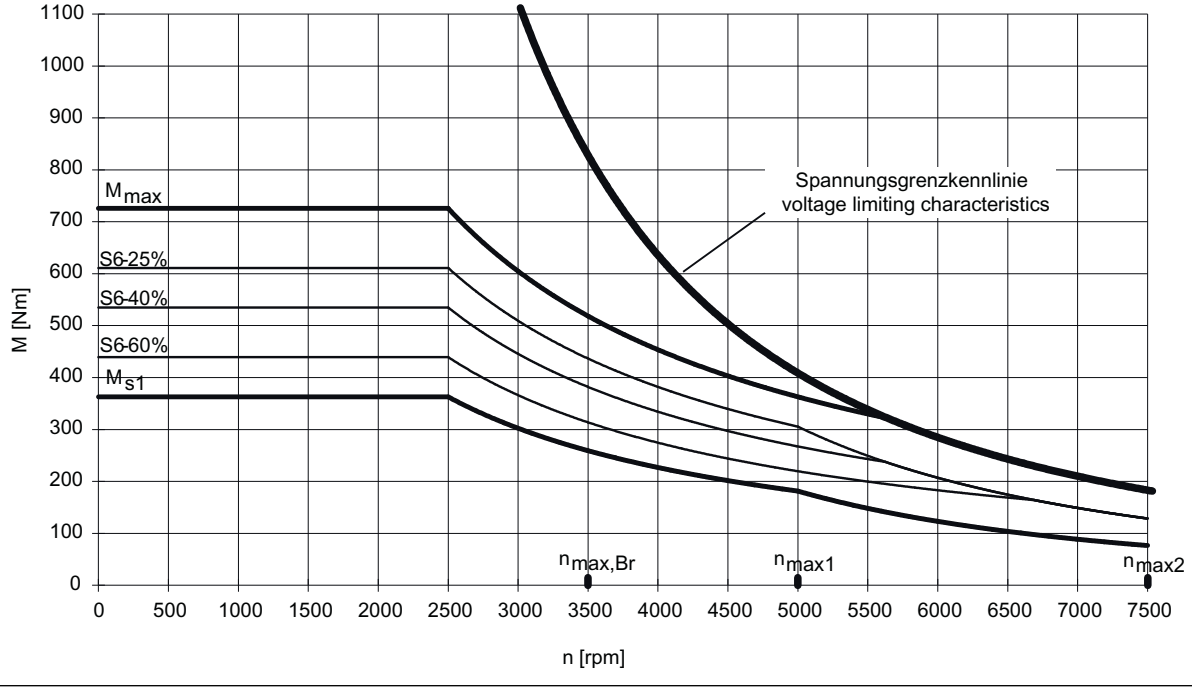


Table 2-353 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8184-□□L2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,900	102	336	182	5,000	7,500	-	3,500	5,000	672	364	336	182
2,500	88	336	182					5,700				

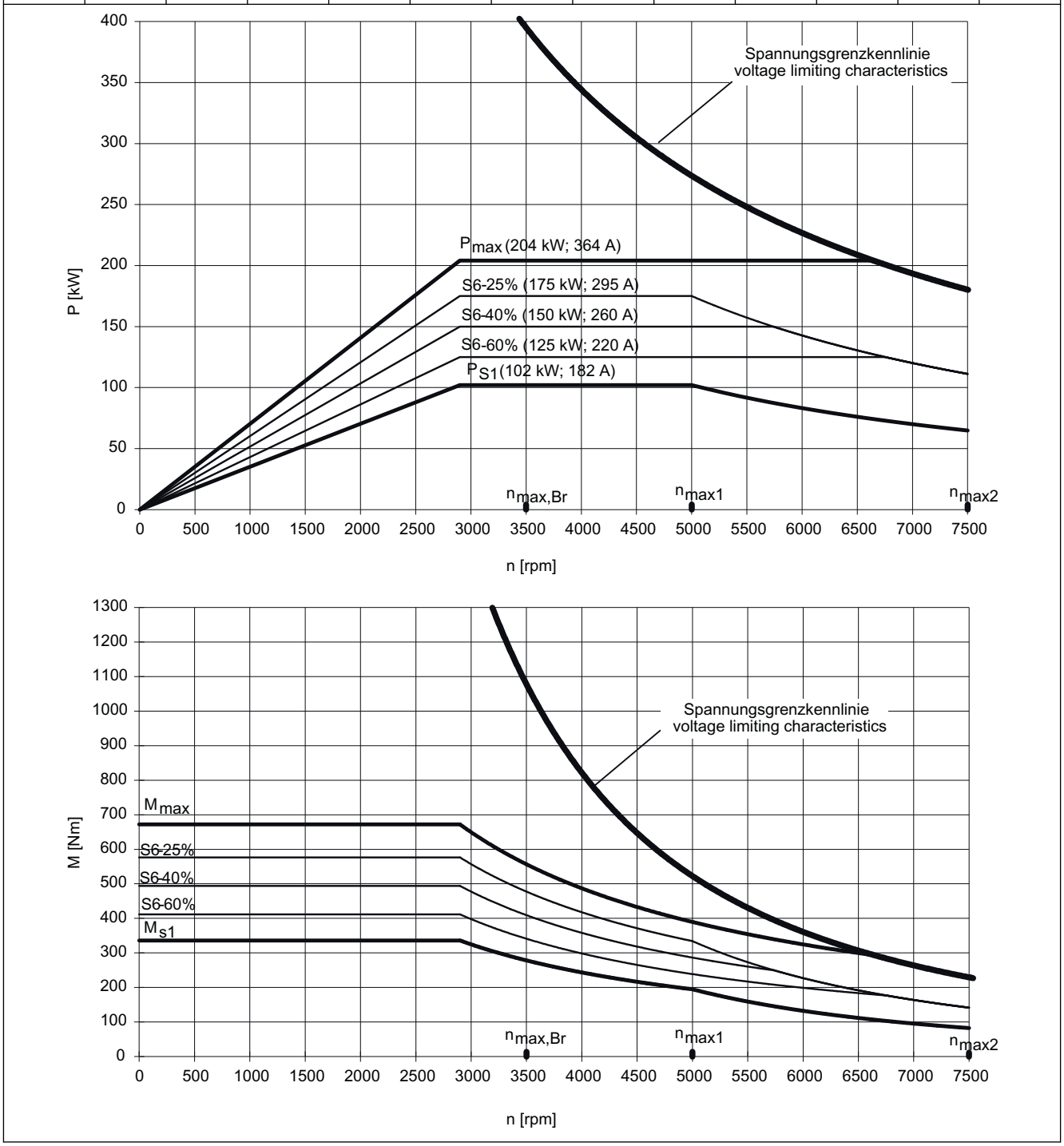
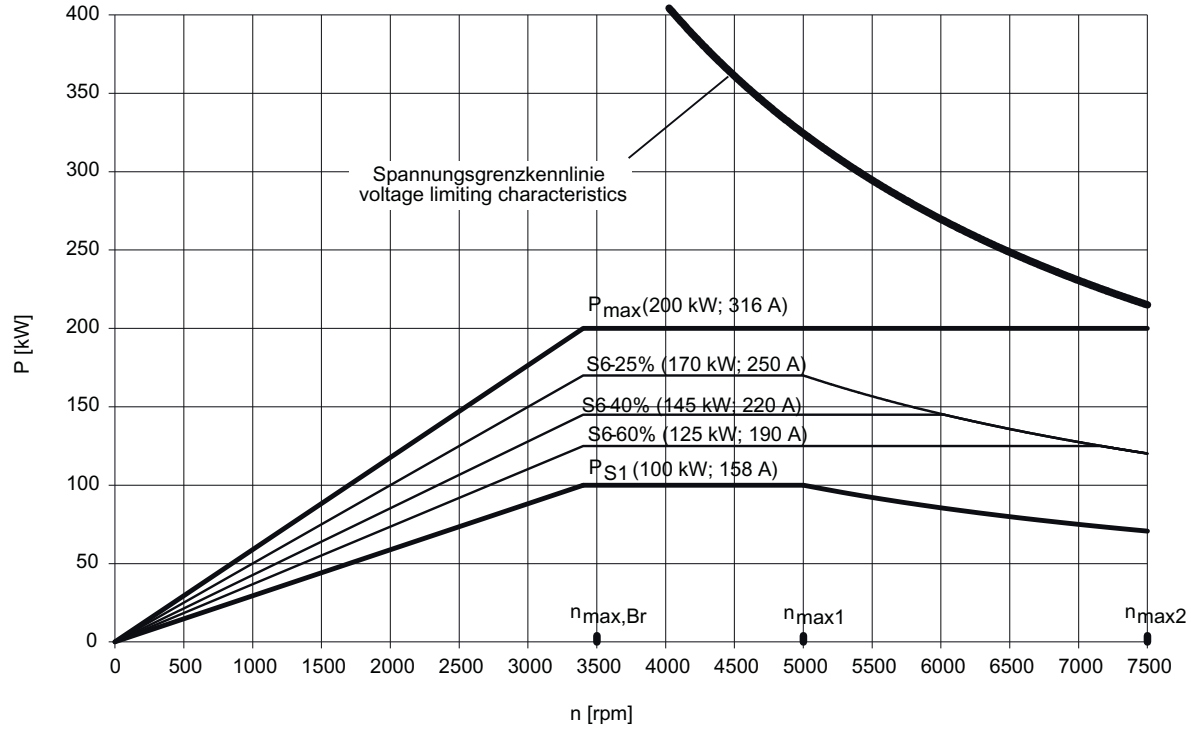


Table 2-354 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8184-□□L2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
3,400	100	281	158	5,000	7,500	-	3,500	5,000	562	316	281	158



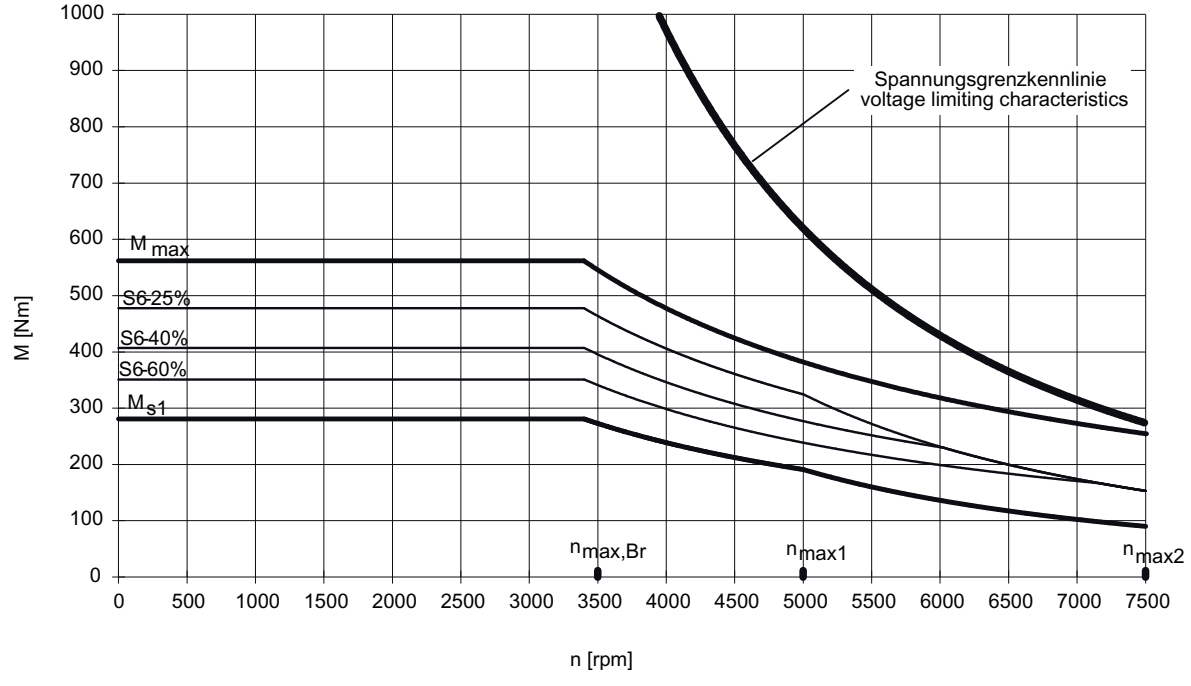


Table 2-355 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	23	549	68	5,000	7,500	-	3,500	1,800	1,098	136	549	68

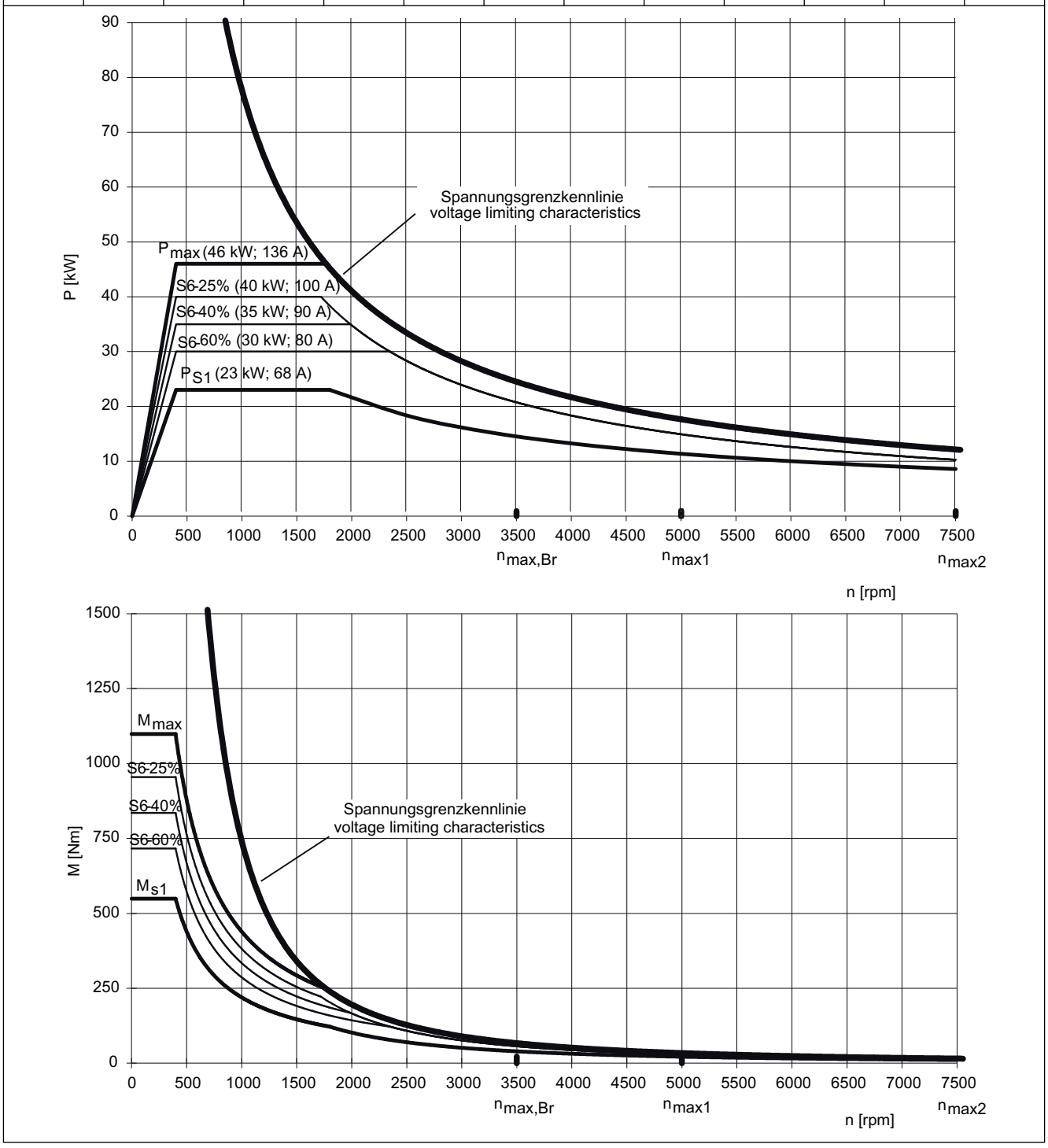
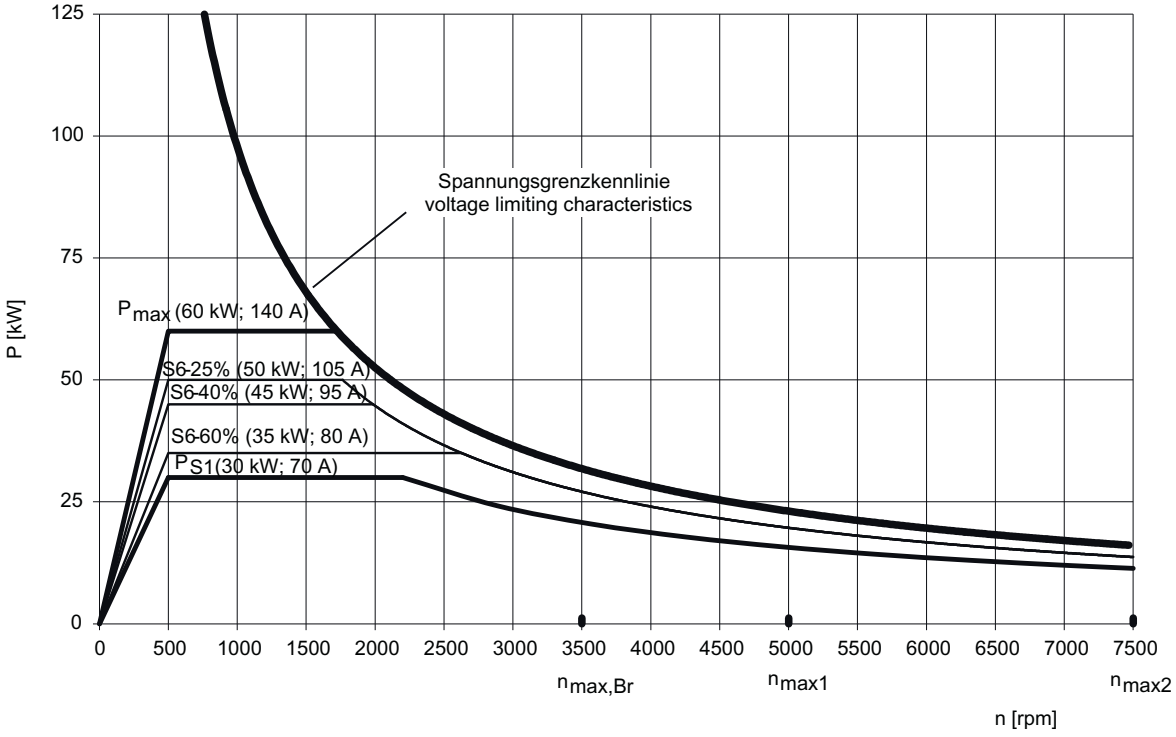


Table 2-356 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8186-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	30	573	70	5,000	7,500	-	3,500	2,200	1,146	140	573	70
400	24	573	70					2,900				



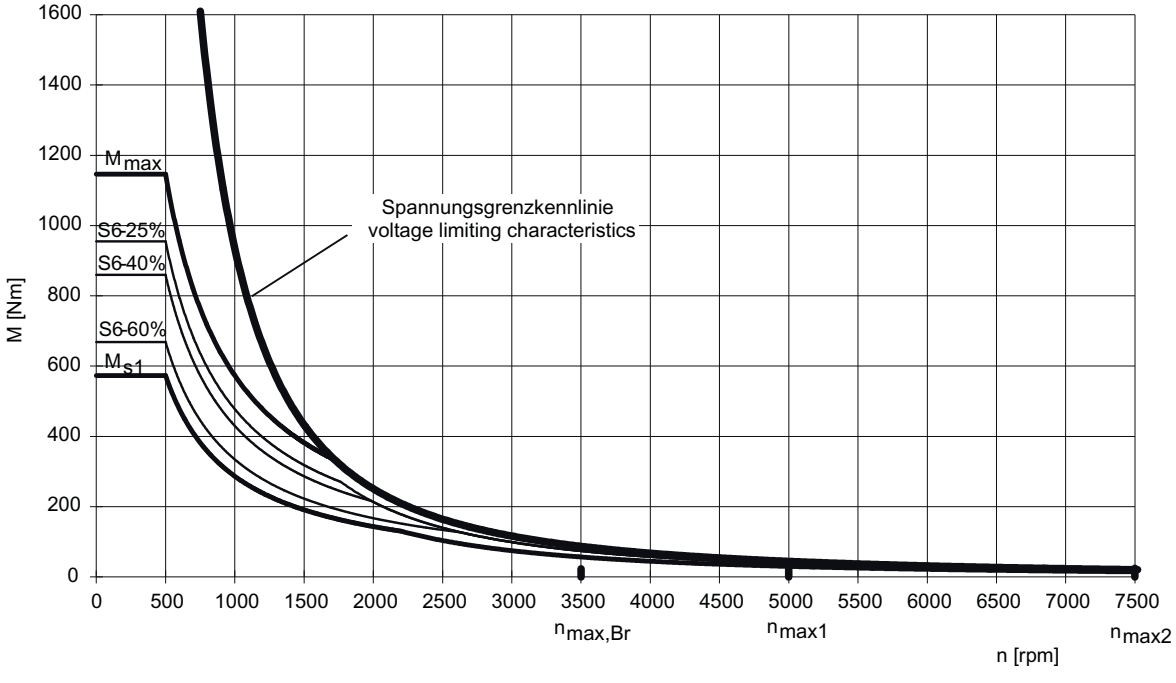


Table 2-357 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8186-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	38	605	73	5,000	7,500	-	3,500	2,500	1,210	146	605	73

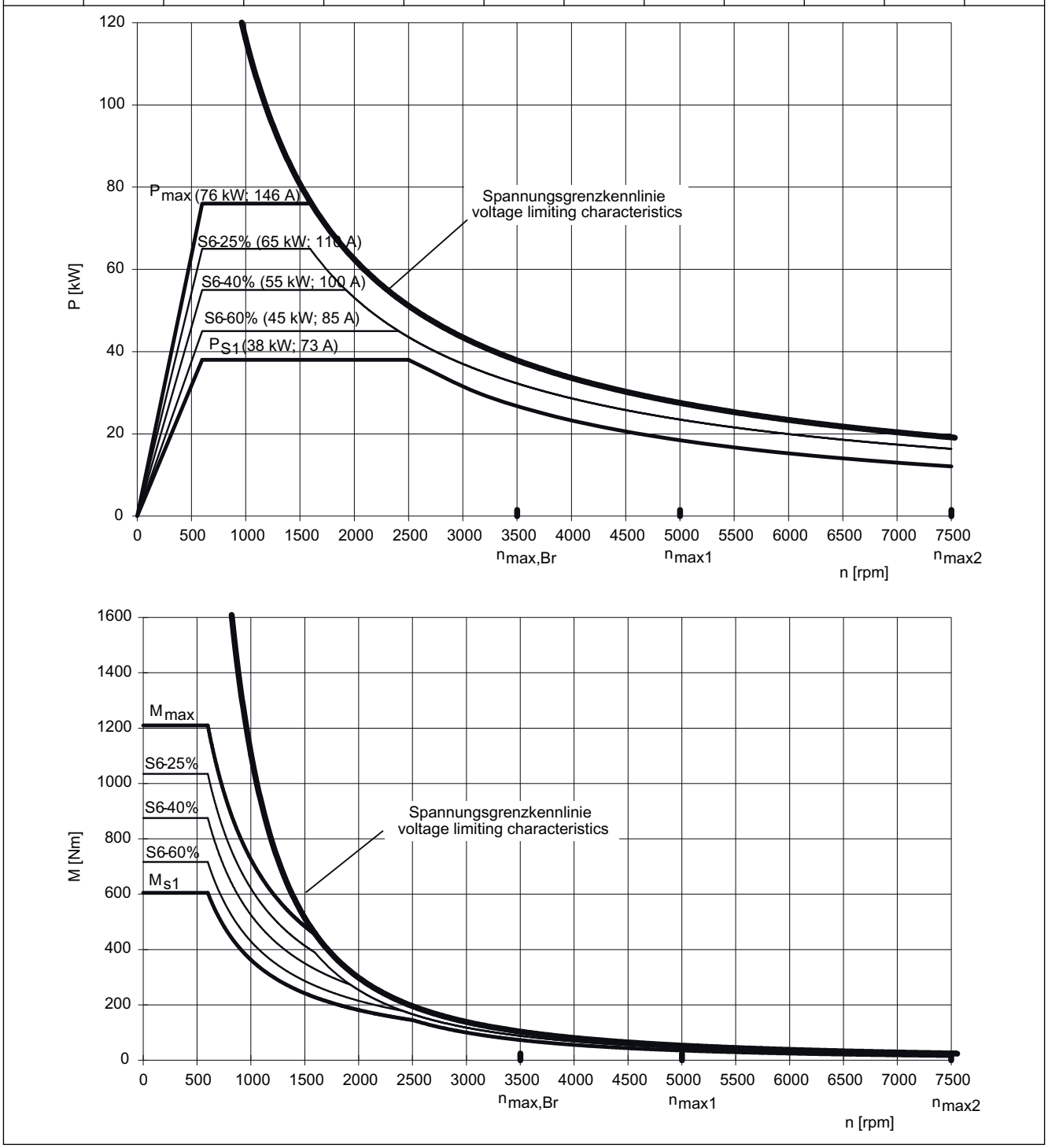


Table 2-358 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	43	587	97	5,000	7,500	-	3,500	3,000	1,173	194	587	97

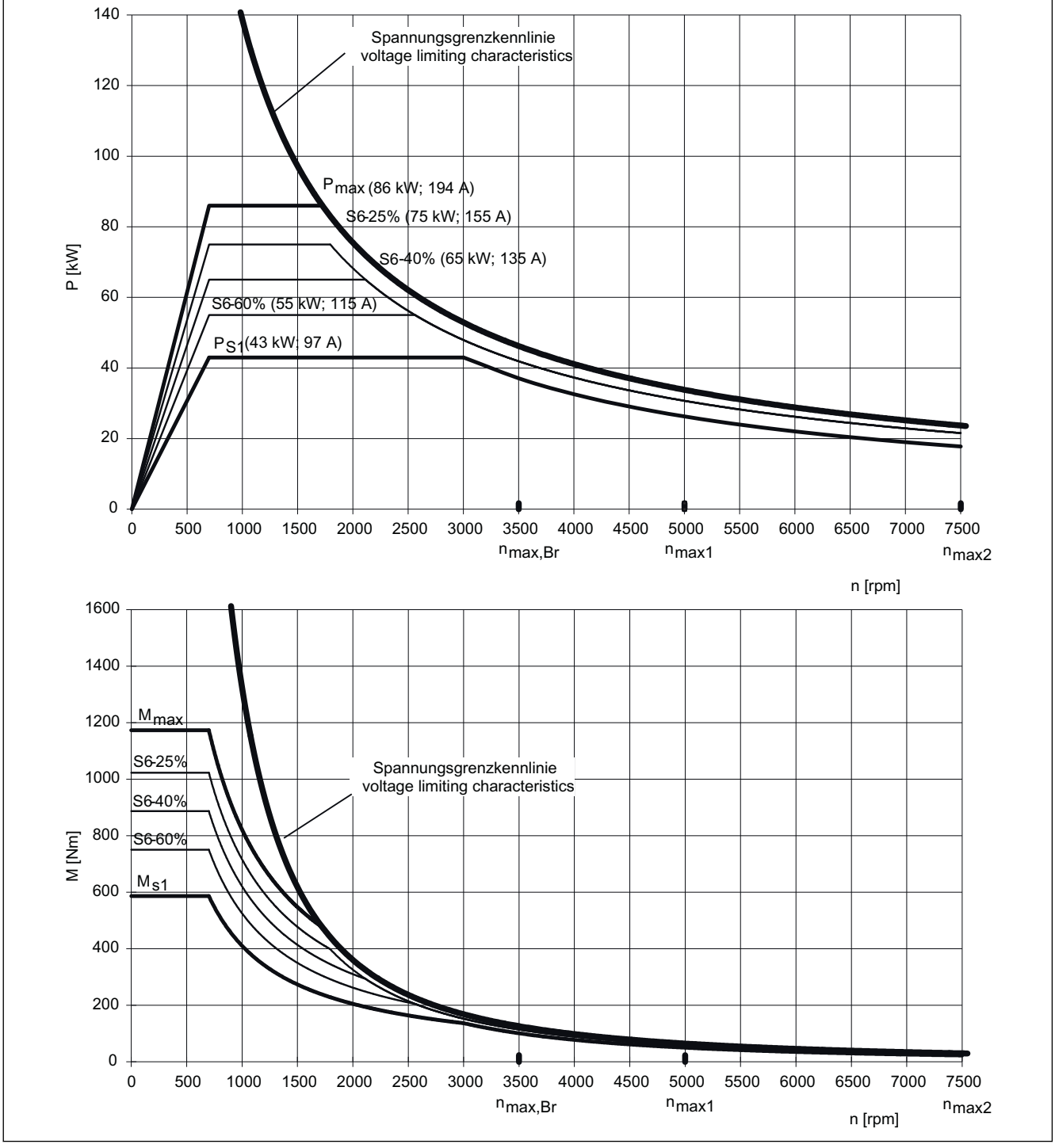


Table 2-359 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8186-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	49	585	99	5,000	7,500	-	3,500	3,500	1,170	198	585	99
700	43	585	99					3,900				

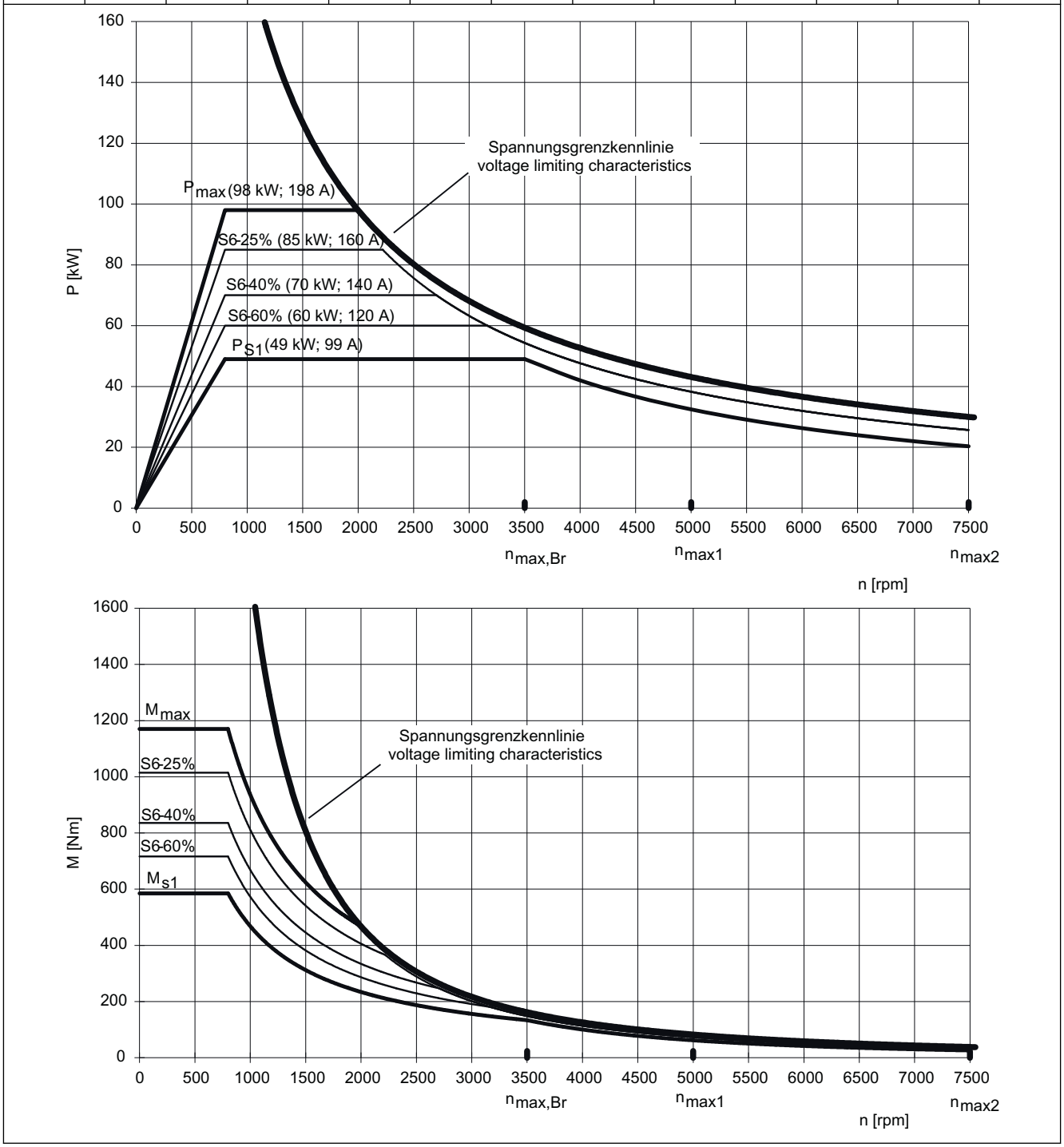
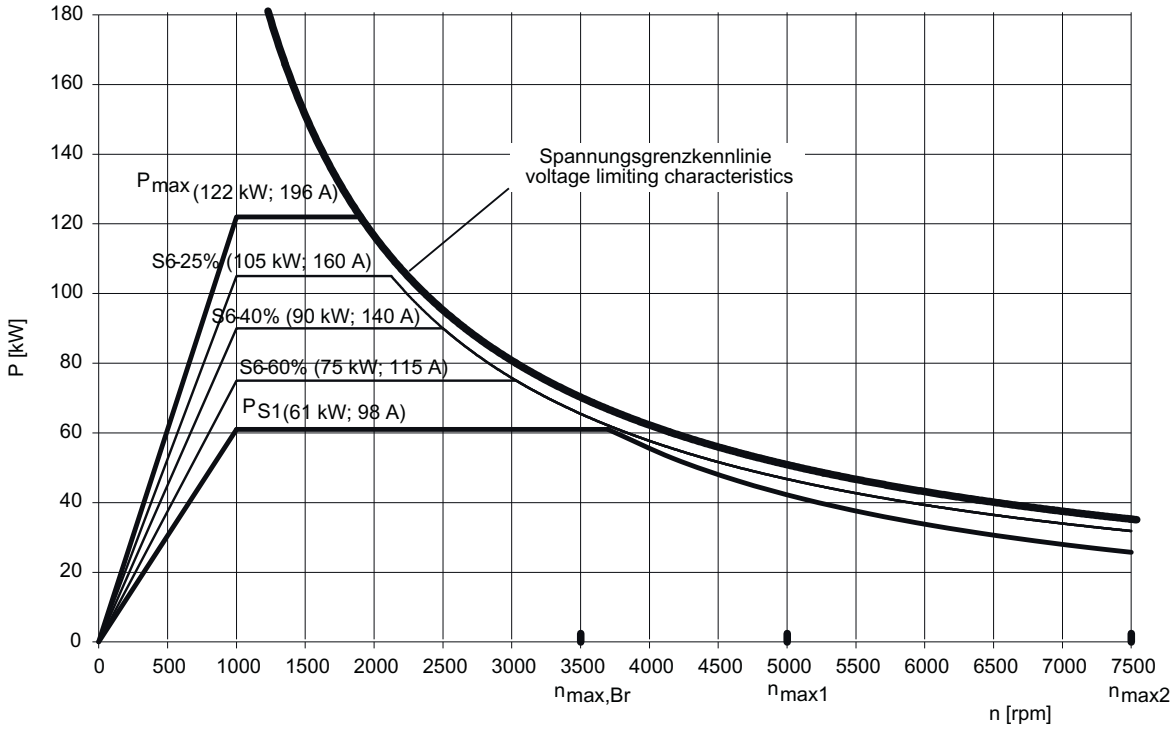


Table 2-360 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8186-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	61	583	98	5,000	7,500	-	3,500	3,700	1,165	196	583	98



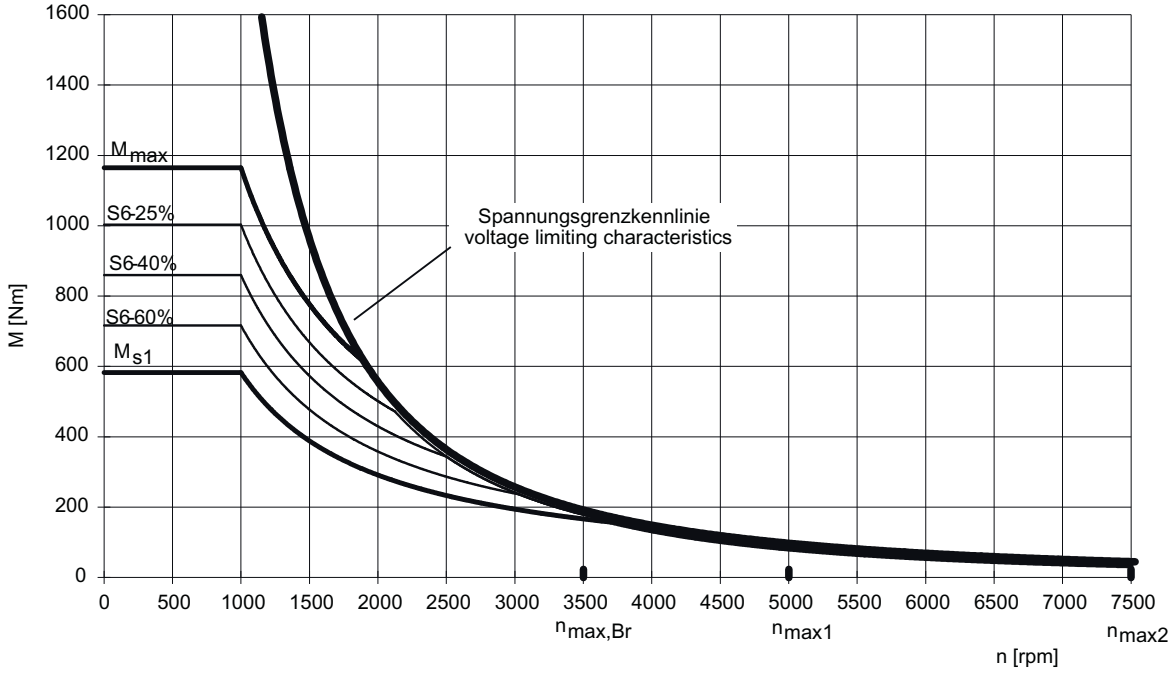
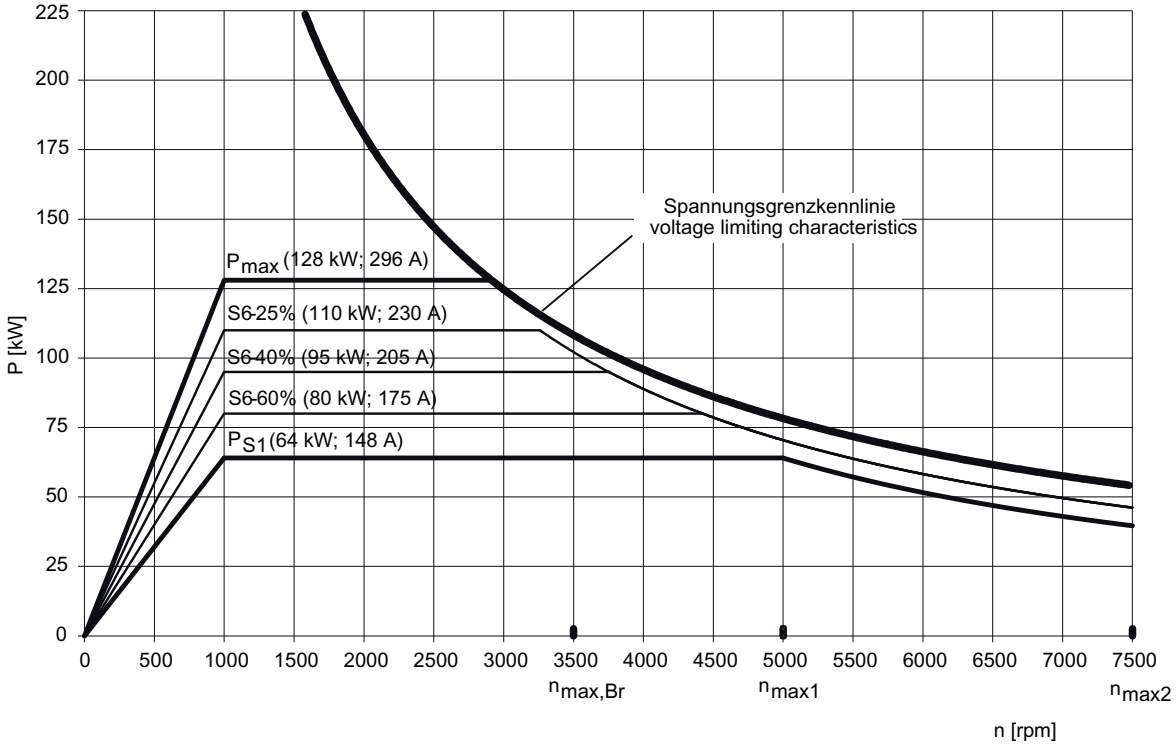


Table 2-361 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	64	611	148	5,000	7,500	-	3,500	5,000	1,222	296	611	148



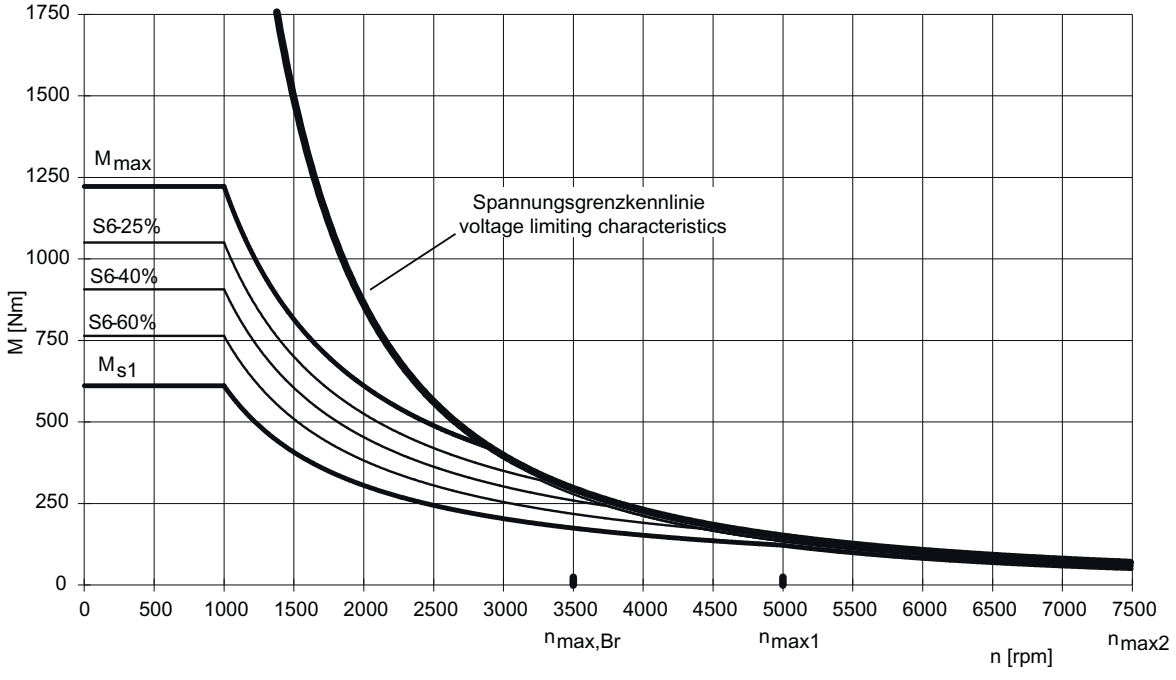
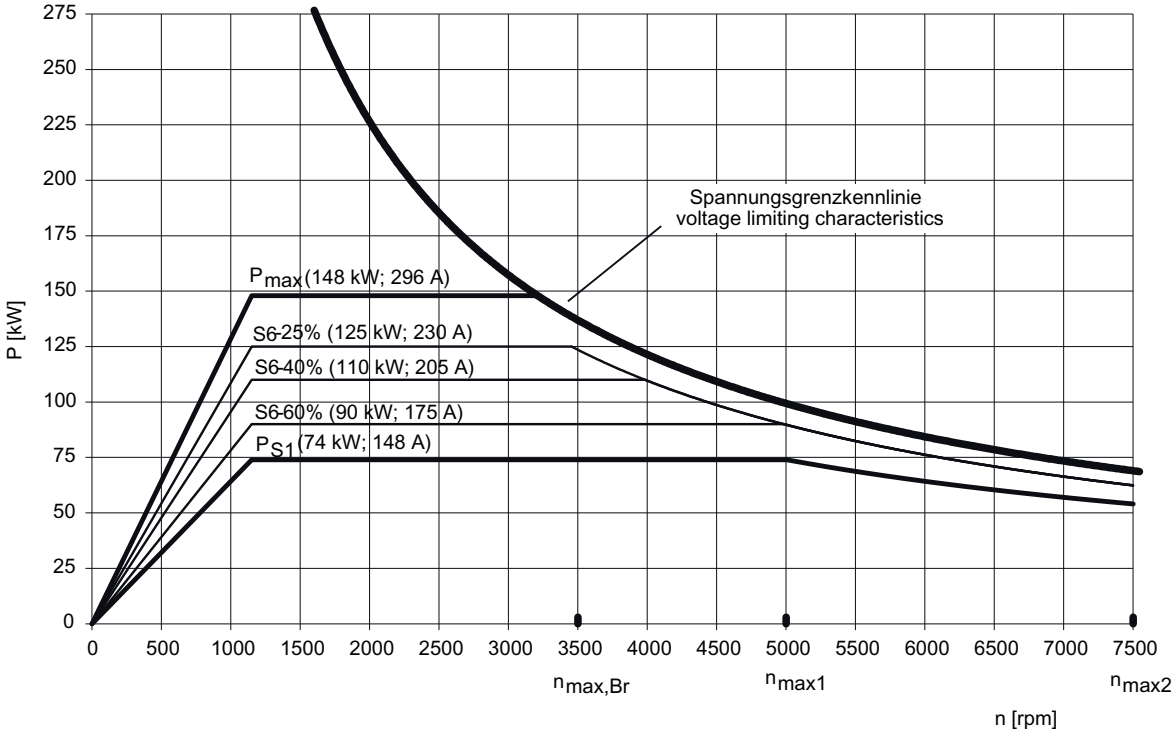


Table 2-362 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8186-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	74	615	148	5,000	7,500	-	3,500	5,000	1,229	296	615	148
1,000	64	615	148					6,000				



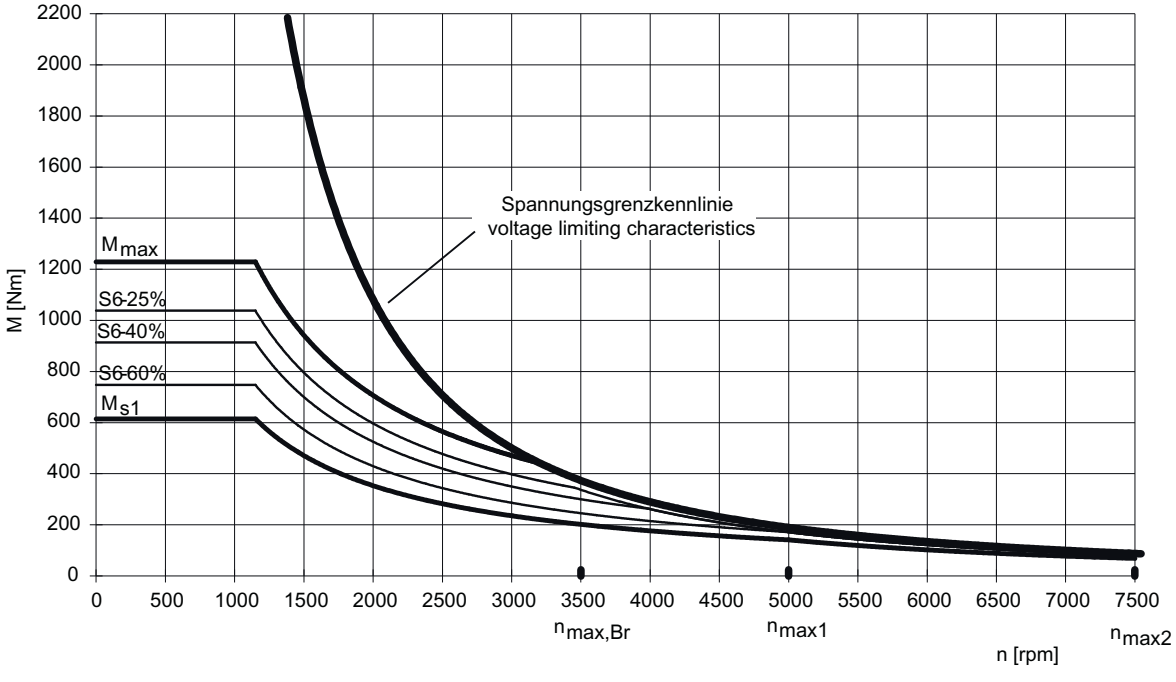


Table 2-363 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8186-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	86	608	148	5,000	7,500	-	3,500	5,000	1,217	296	608	148

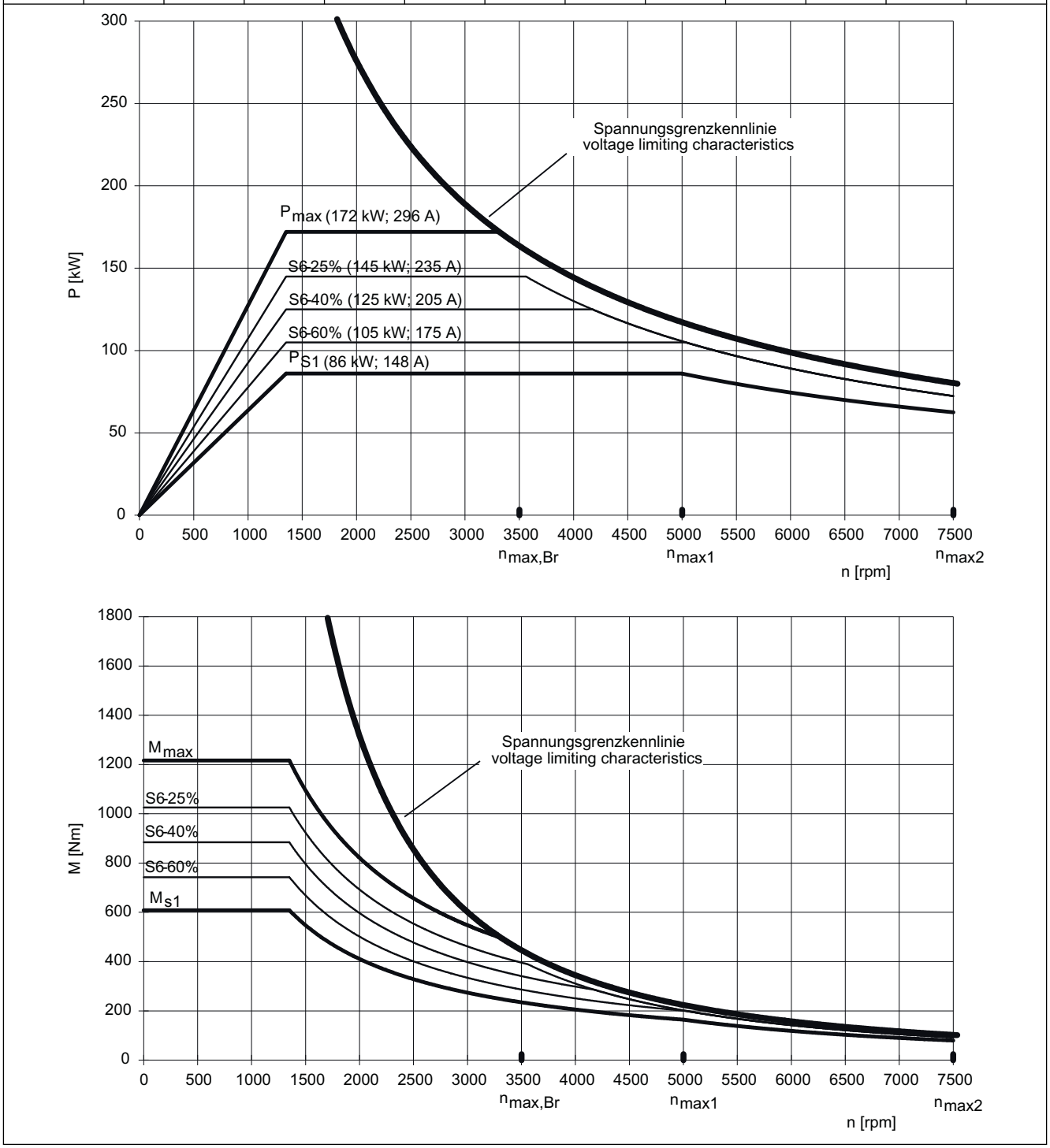
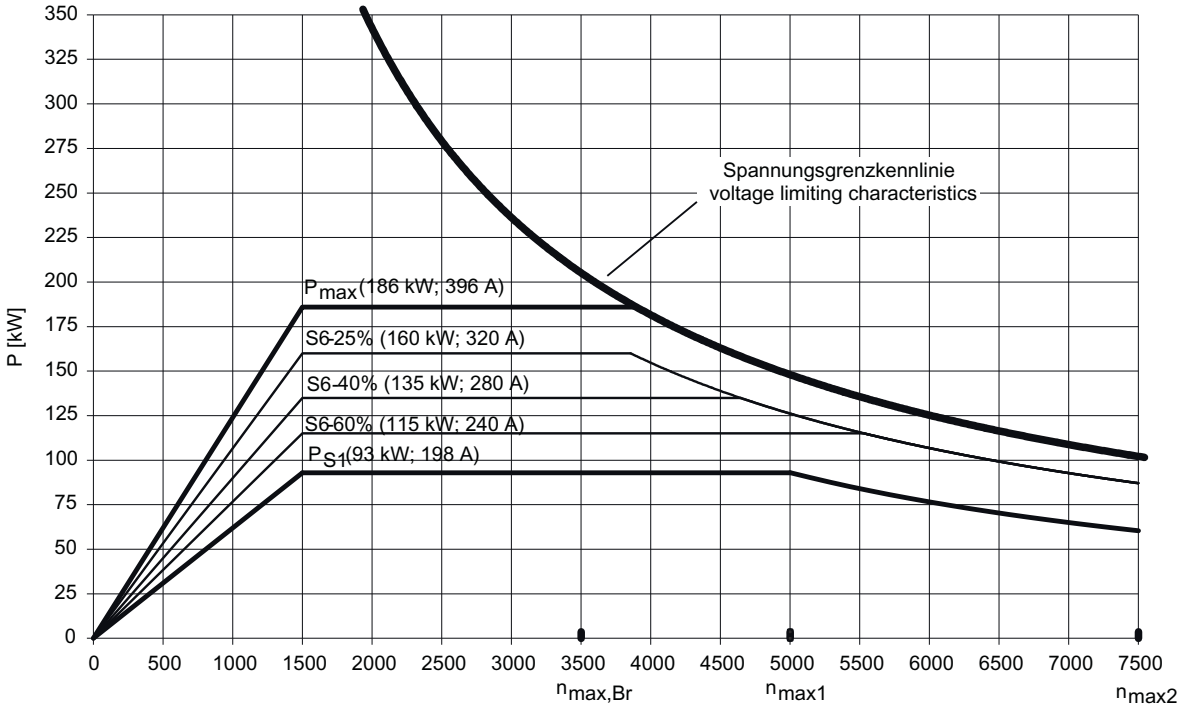


Table 2-364 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	93	592	198	5,000	7,500	-	3,500	5,000	1,184	396	592	198



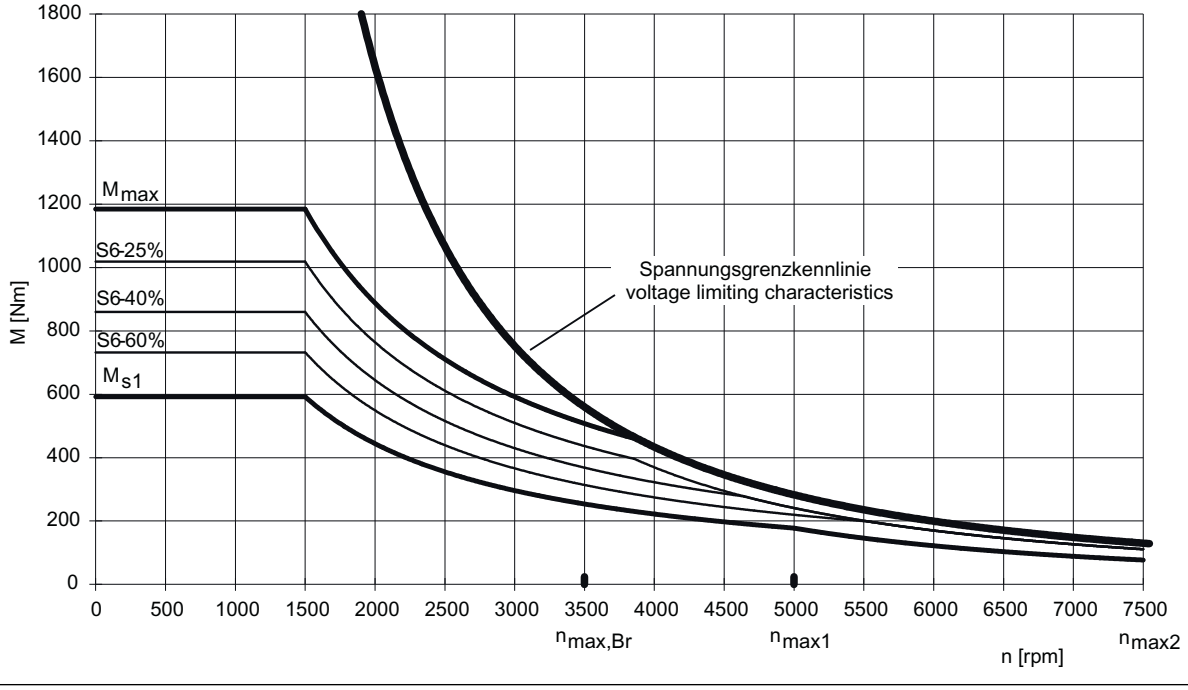
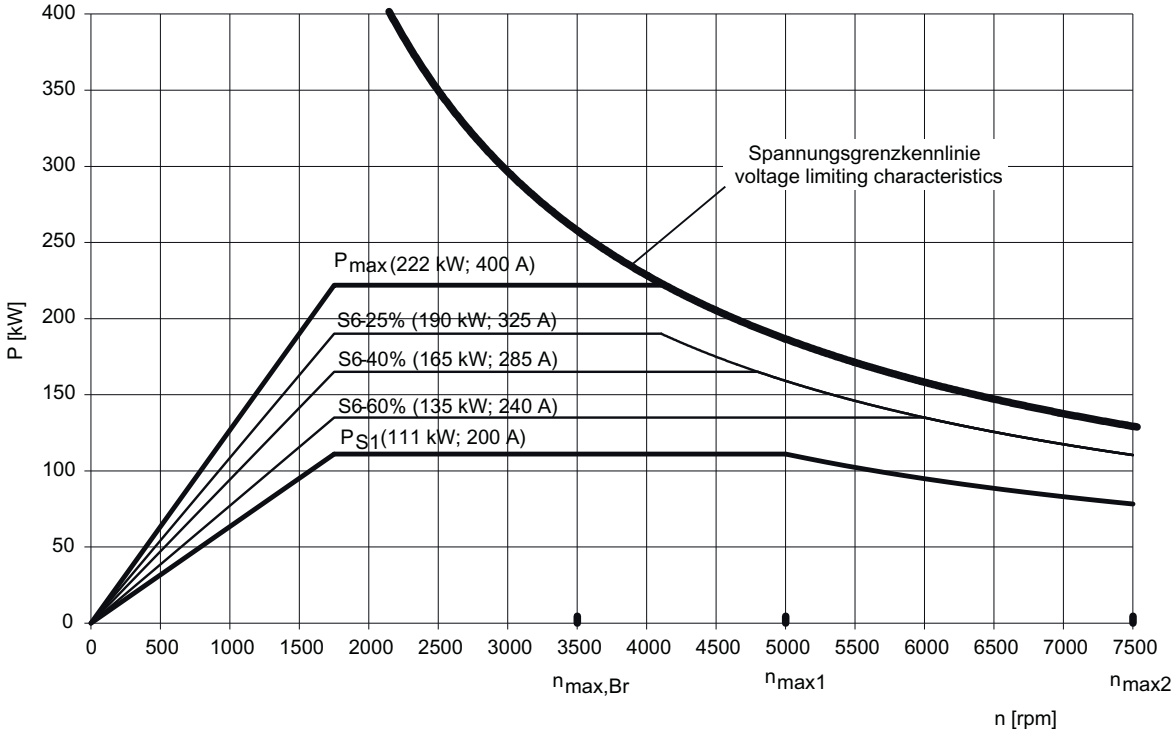


Table 2-365 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8186-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	111	606	200	5,000	7,500	-	3,500	5,000	1,211	400	606	200
1,500	95	606	200					6,000				



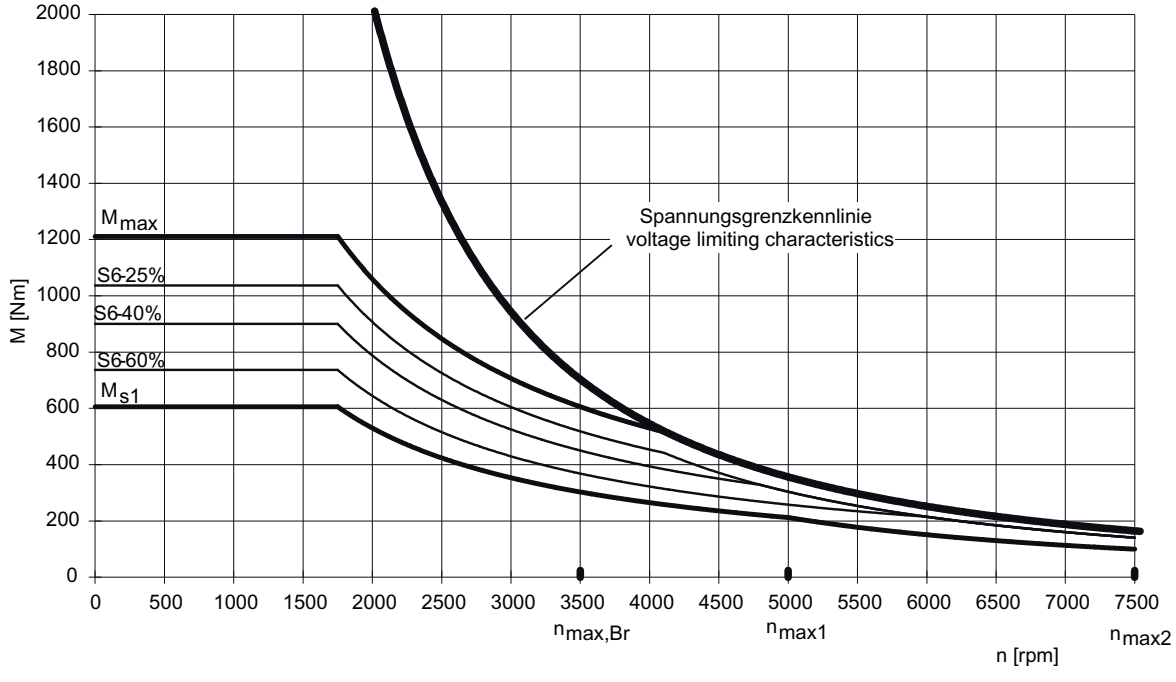
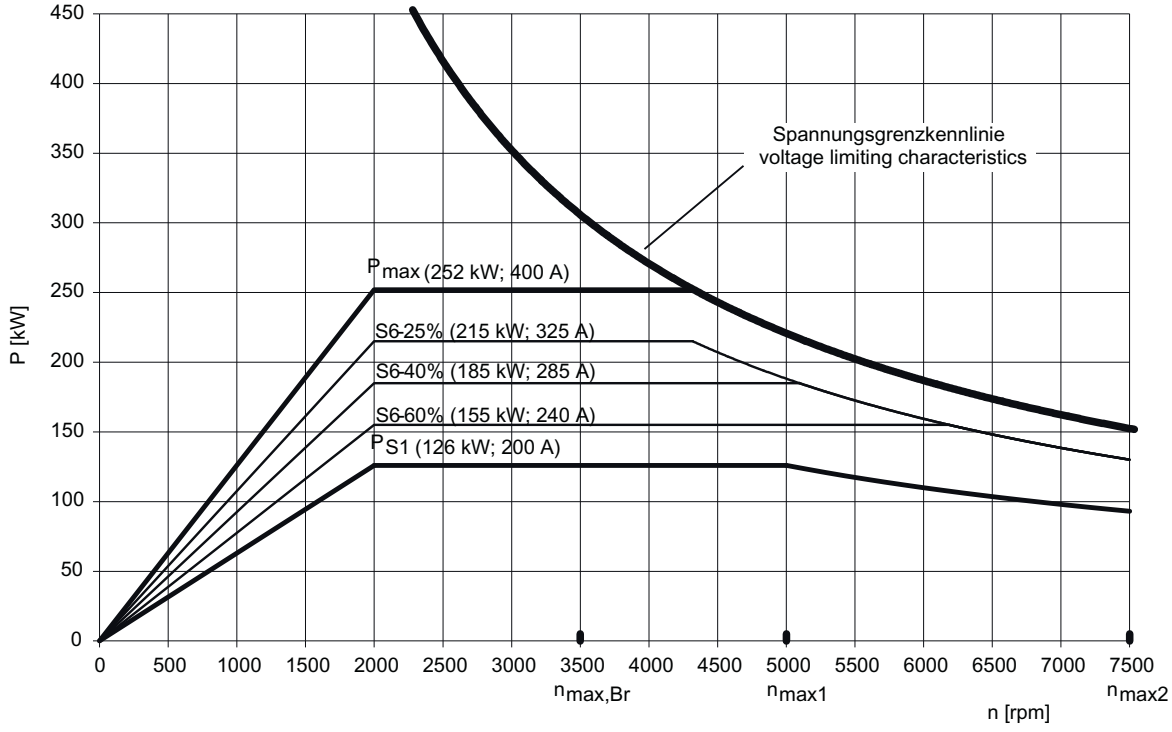


Table 2-366 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8186-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	126	602	200	5,000	7,500	-	3,500	5,000	1,203	400	602	200



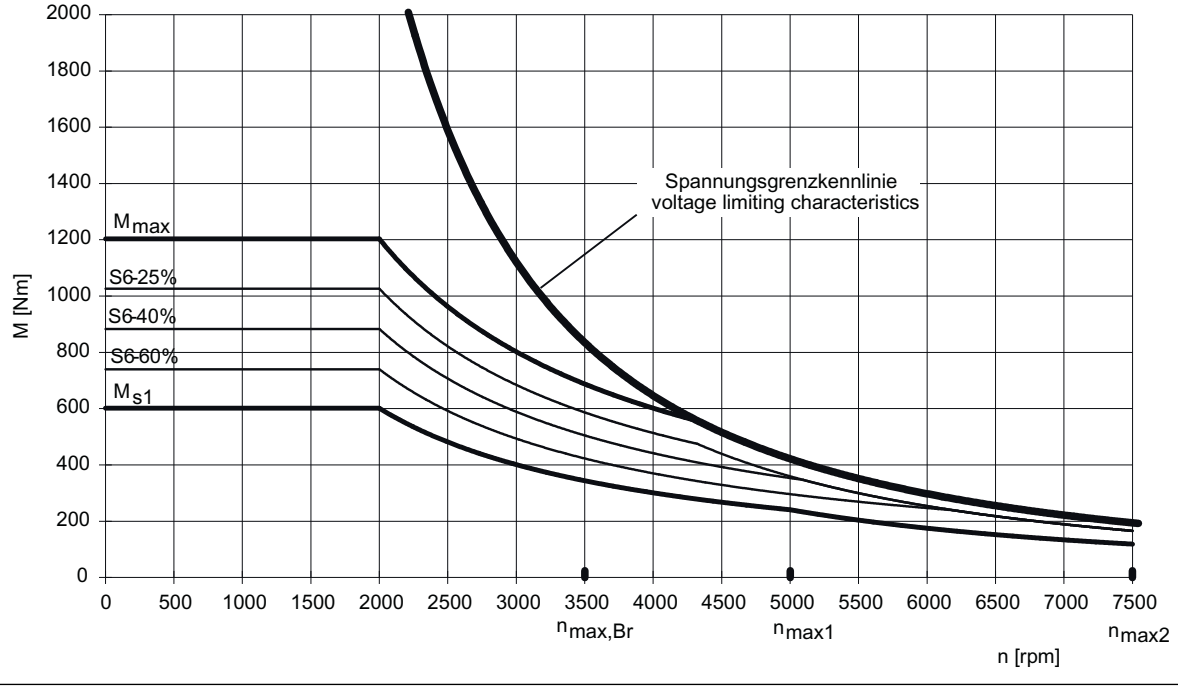


Table 2-367 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8186-□□L2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,500	120	458	250	5,000	7,500	-	3,500	5,000	917	500	458	250

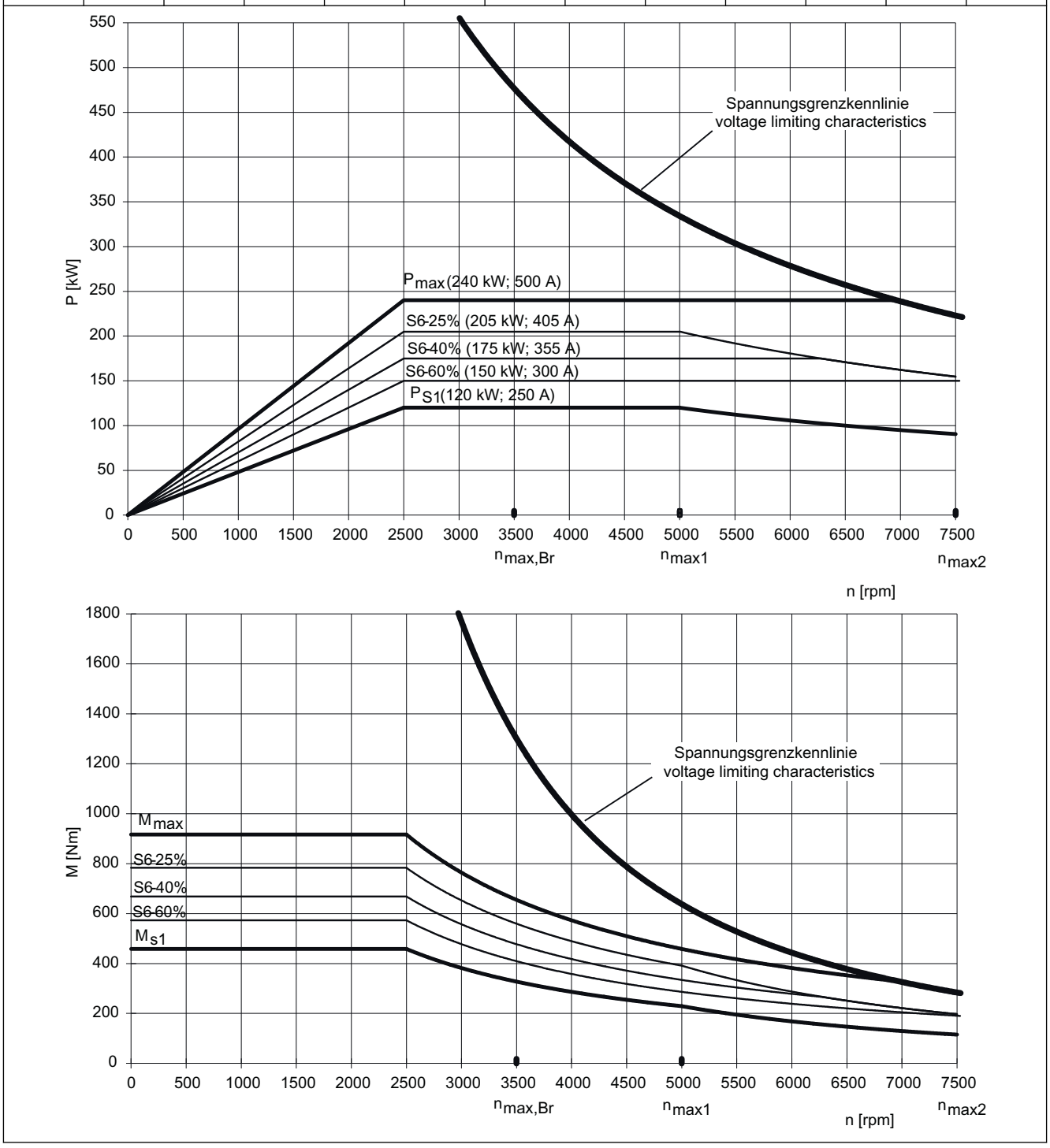
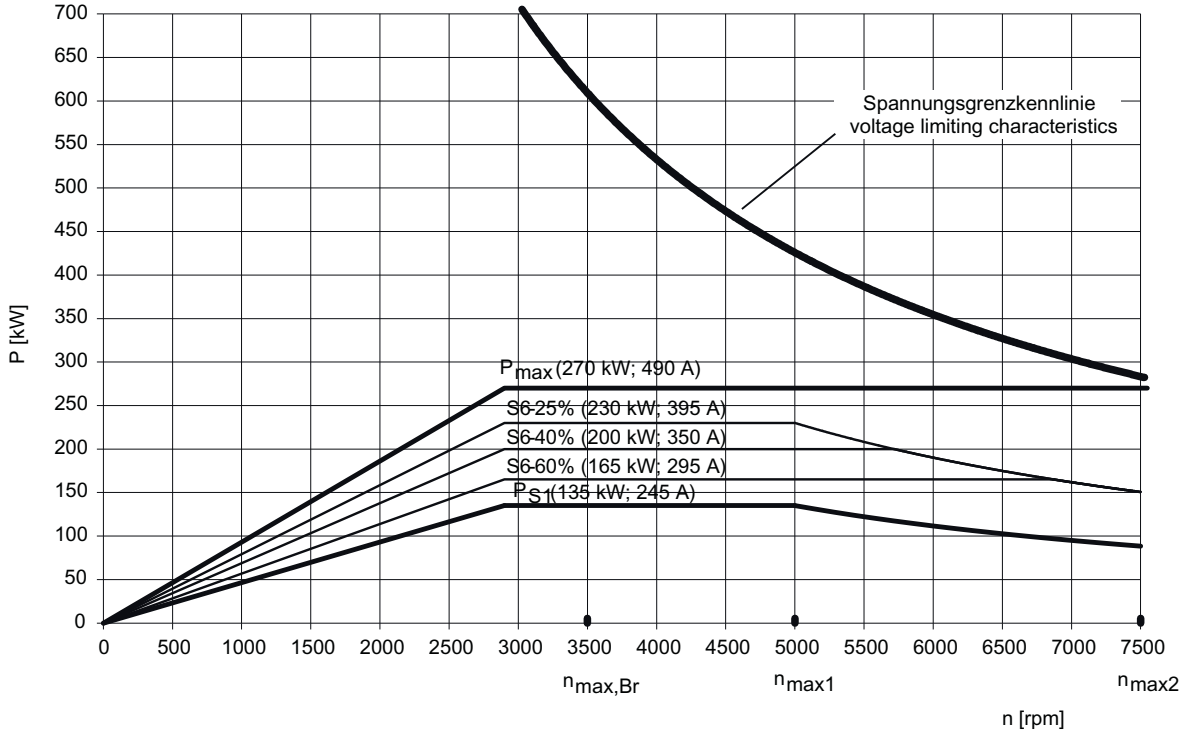


Table 2-368 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8186-□□L2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,900	135	445	245	5,000	7,500	-	3,500	5,000	889	490	445	245
2,500	116	445	245					5,800				



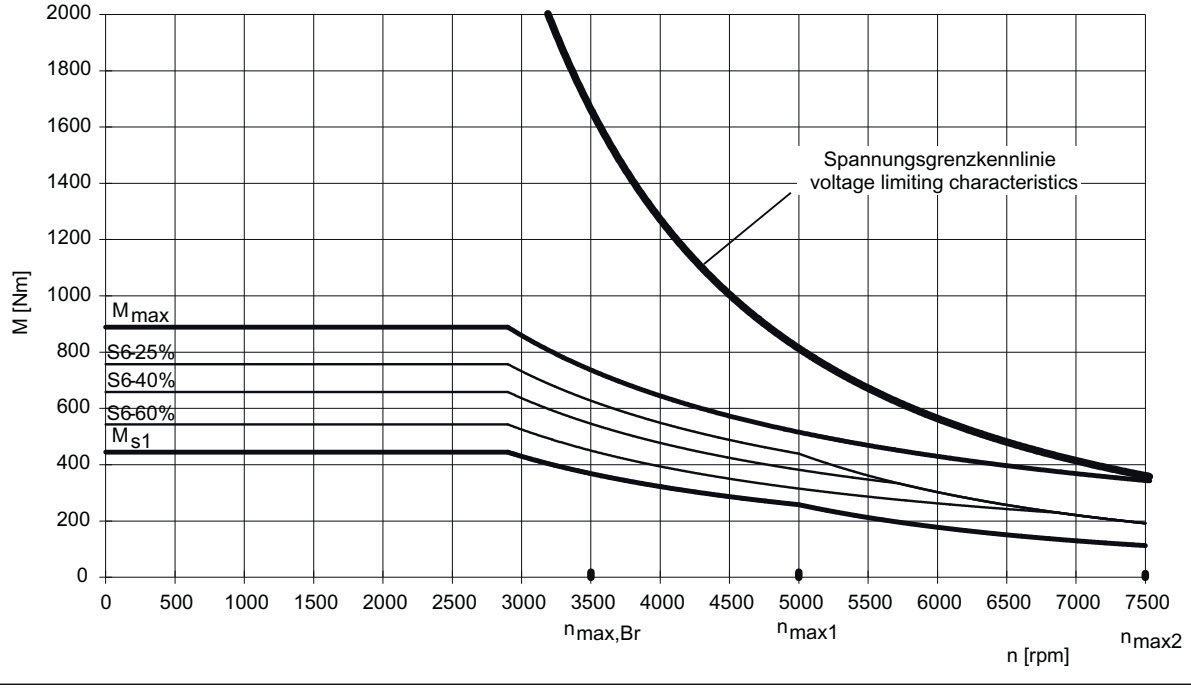
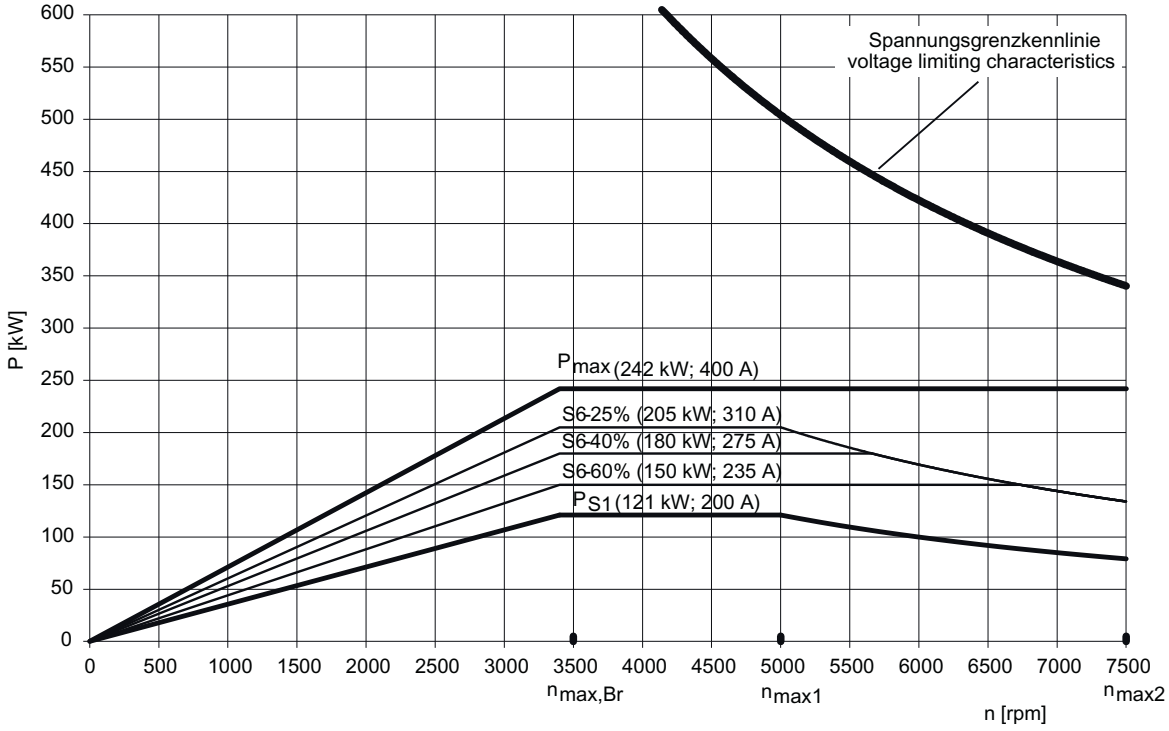
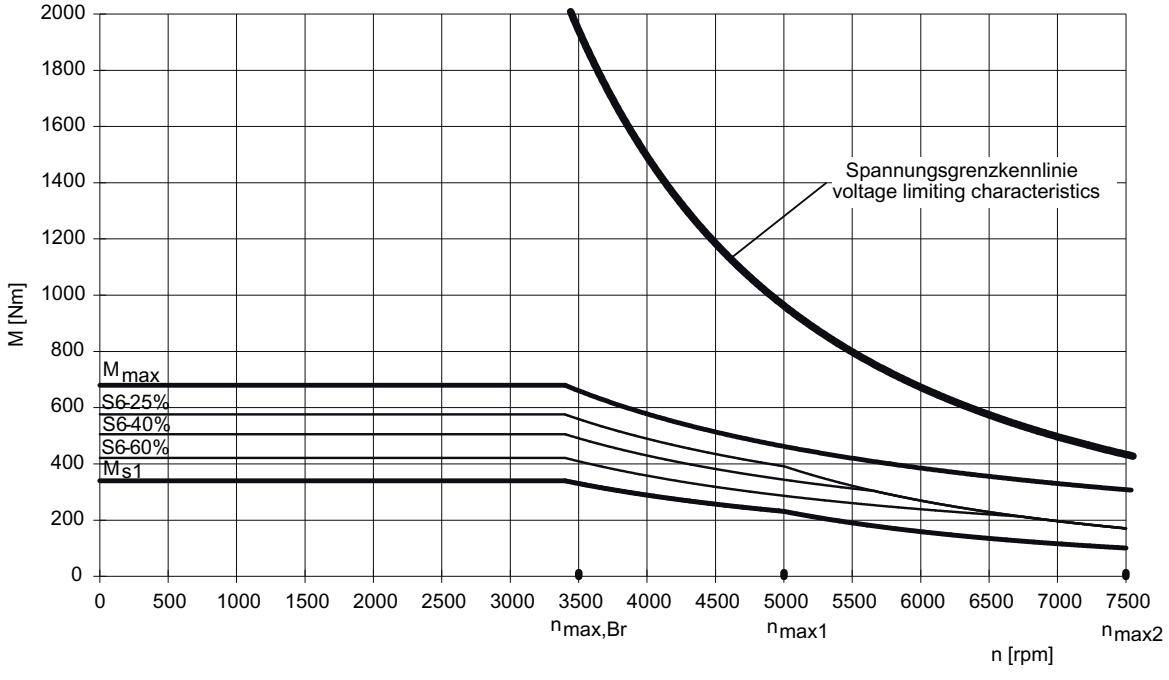


Table 2-369 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8186-□□L2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
3,400	121	340	200	5,000	7,500	-	3,500	5,000	680	400	340	200





2.3.7 Shaft height 225 - water-cooled

Table 2-370 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	36	859	100	4,500	6,000	-	3,100	1,400	1,719	200	859	100

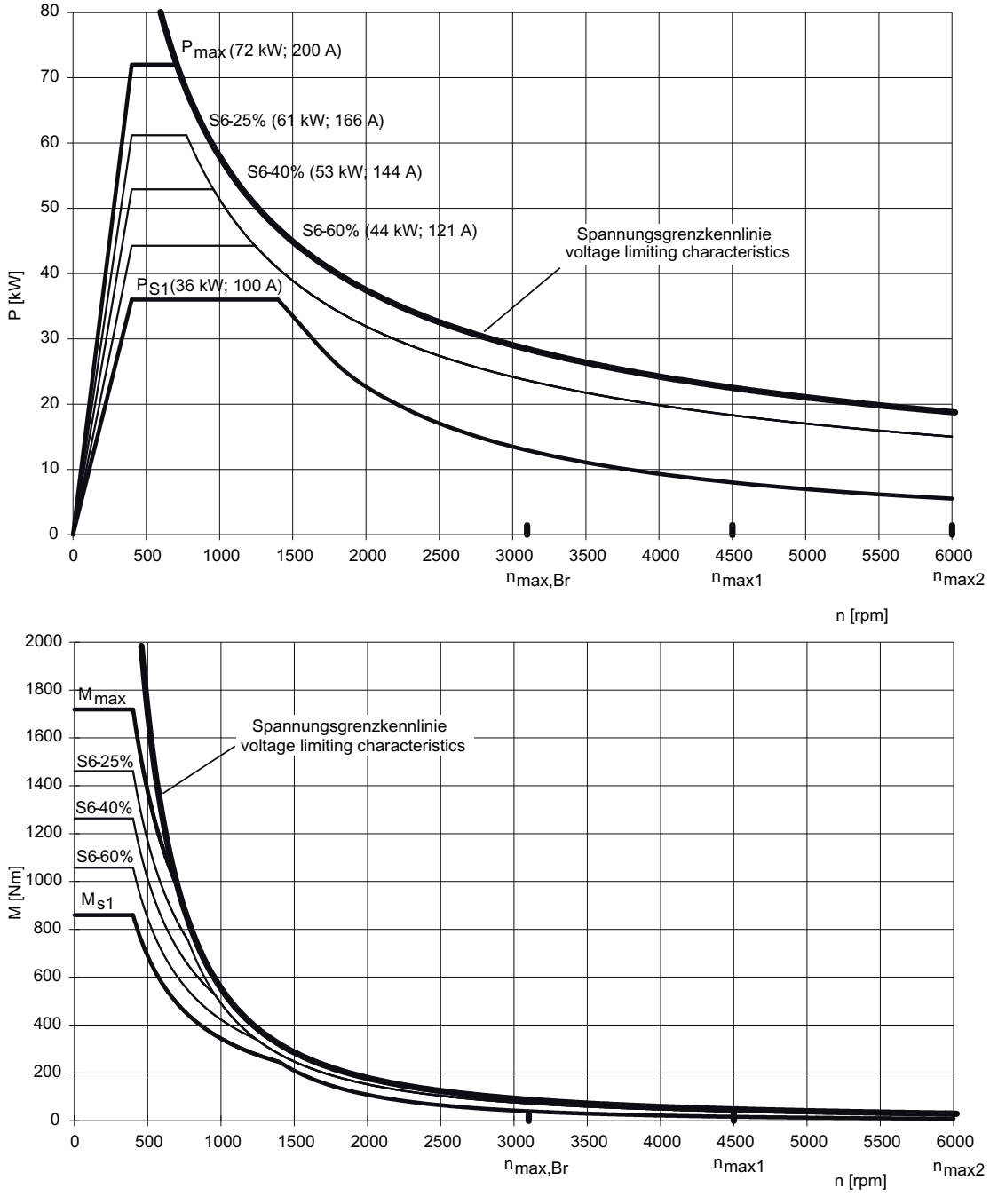


Table 2-371 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8224-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	46	879	100	4,500	6,000	-	3,100	1,500	1,757	200	879	100
400	37	879	100					1,800				

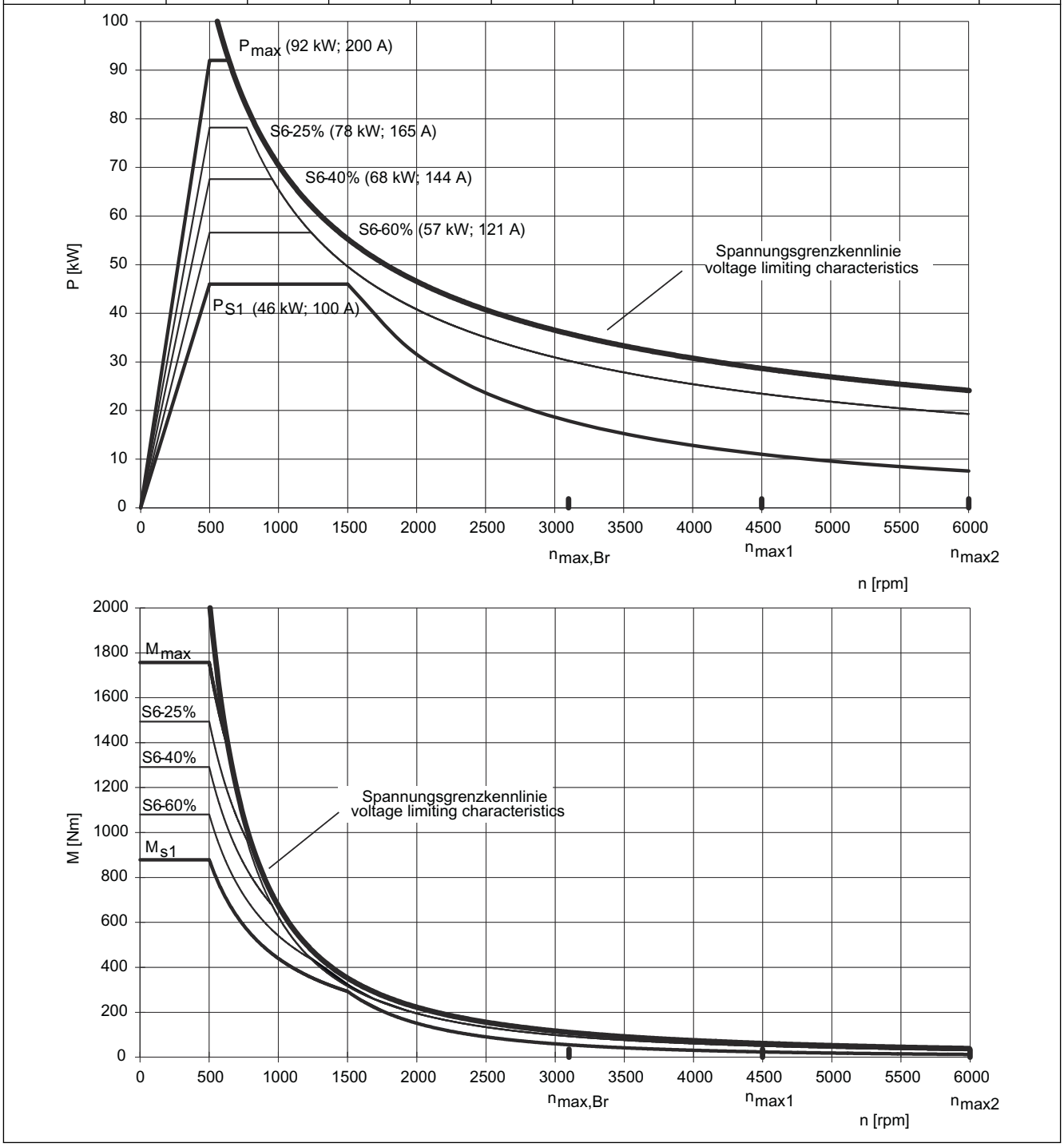


Table 2-372 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8224-☐☐B2☐

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	53	844	94	4,500	6,000	-	3,100	1,900	1,687	188	844	94

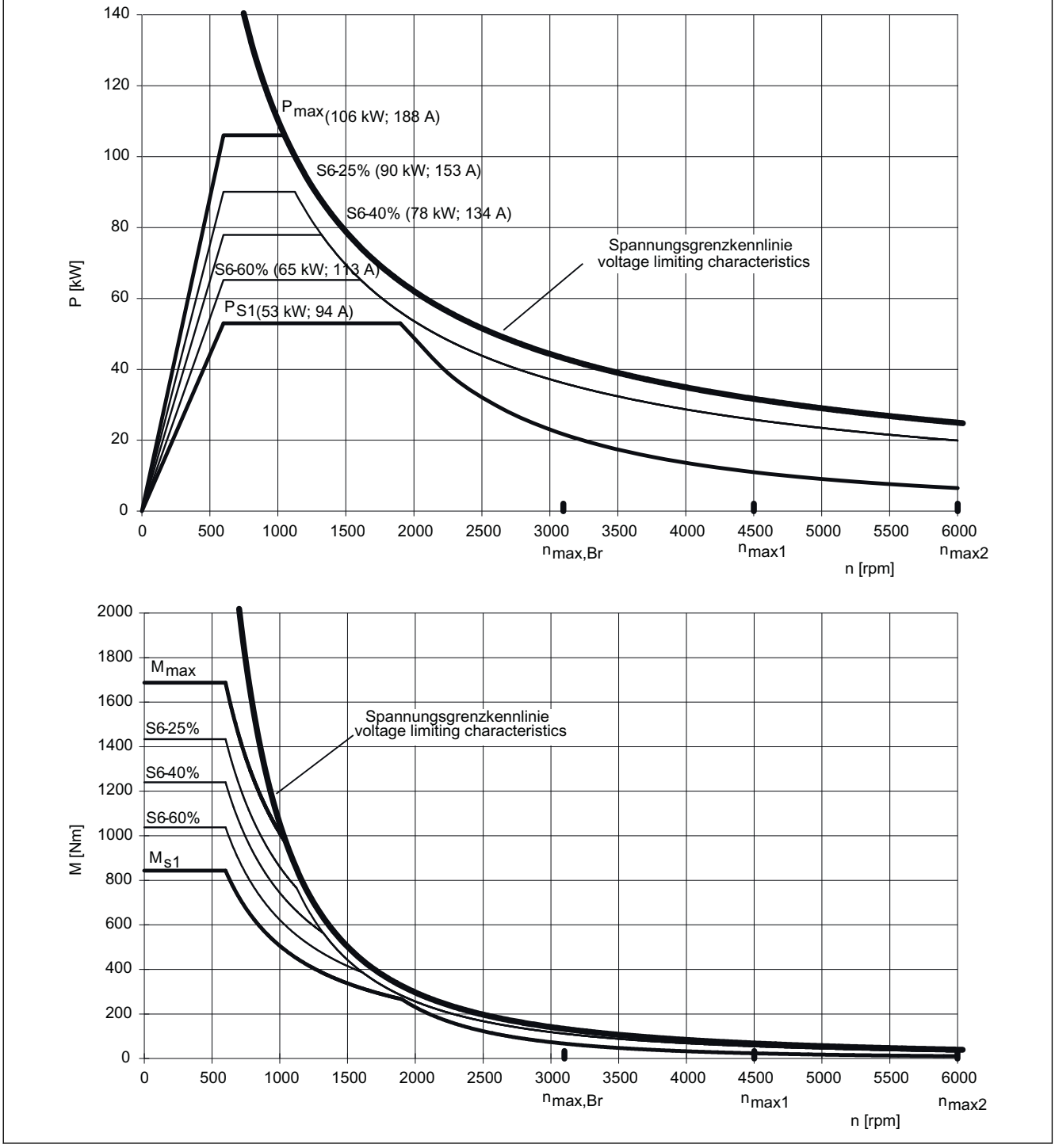


Table 2-373 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	61	832	128	4,500	6,000	-	3,100	2,100	1,664	256	832	128

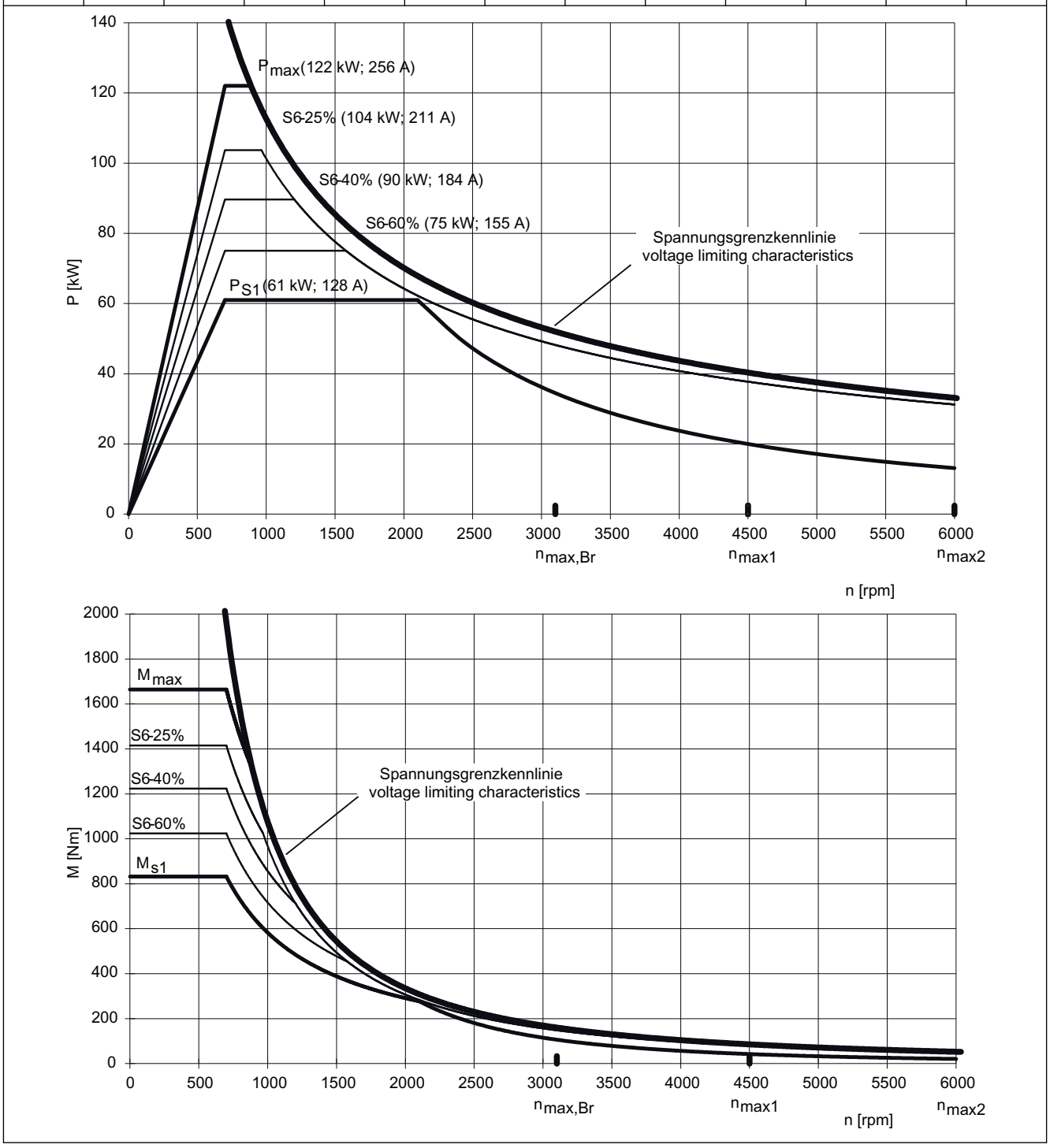


Table 2-374 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8224-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	70	836	130	4,500	6,000	-	3,100	2,300	1,671	260	836	130
700	61	836	130					2,500				

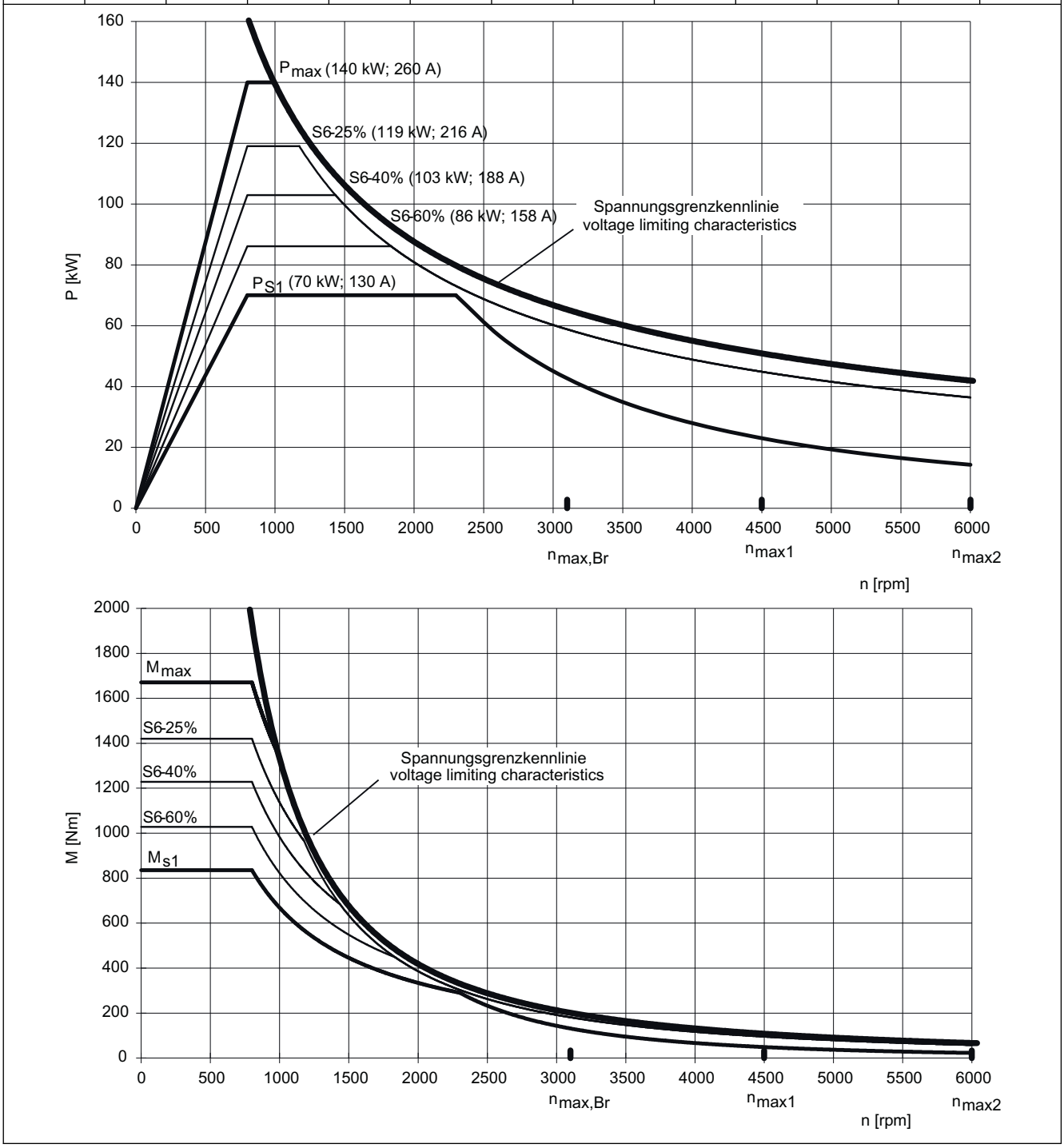


Table 2-375 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8224-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	87	831	132	4,500	6,000	-	3,100	2,500	1,662	264	831	132

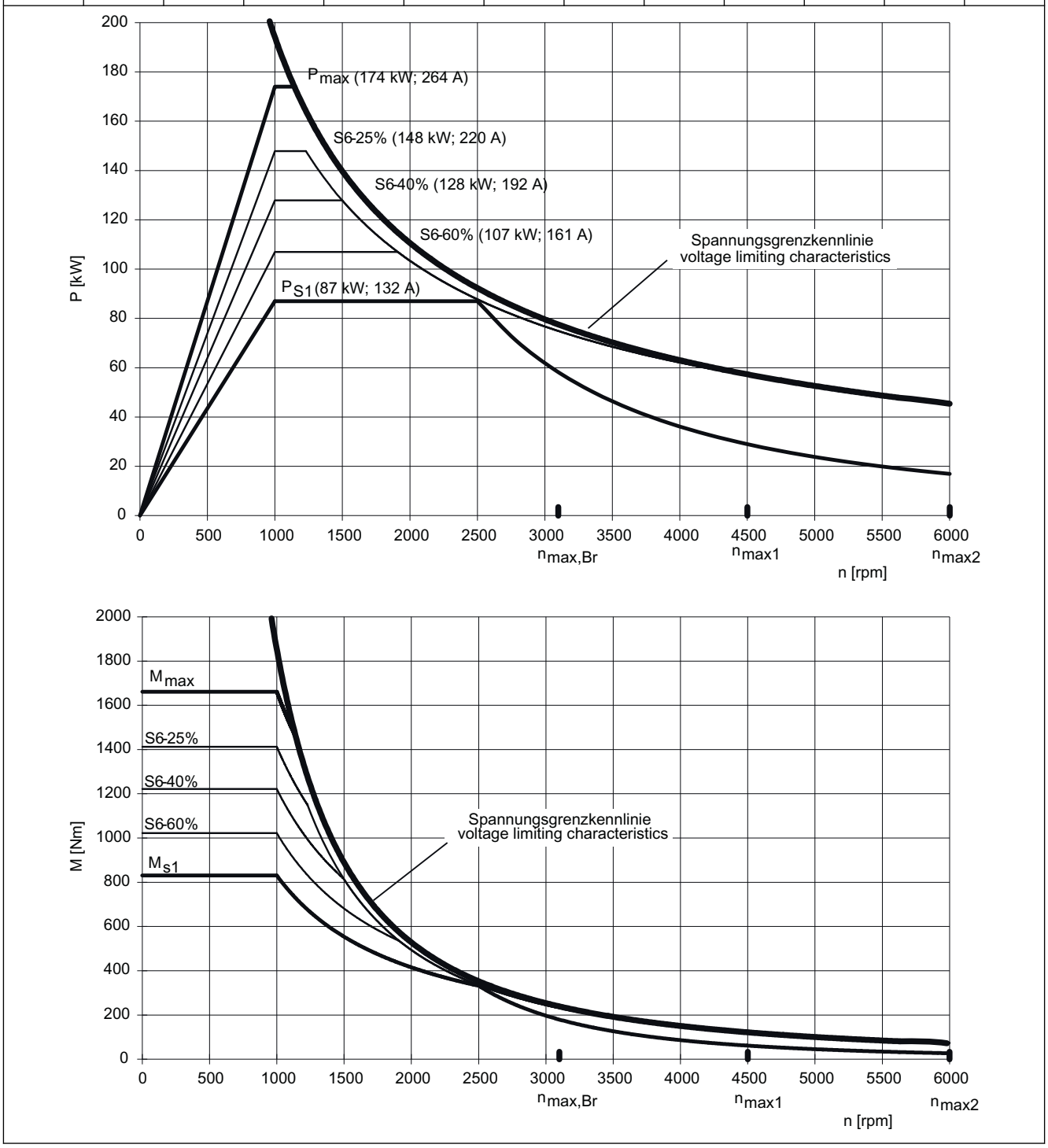


Table 2-376 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	89	850	188	4,500	6,000	-	3,100	2,800	1,700	376	850	188

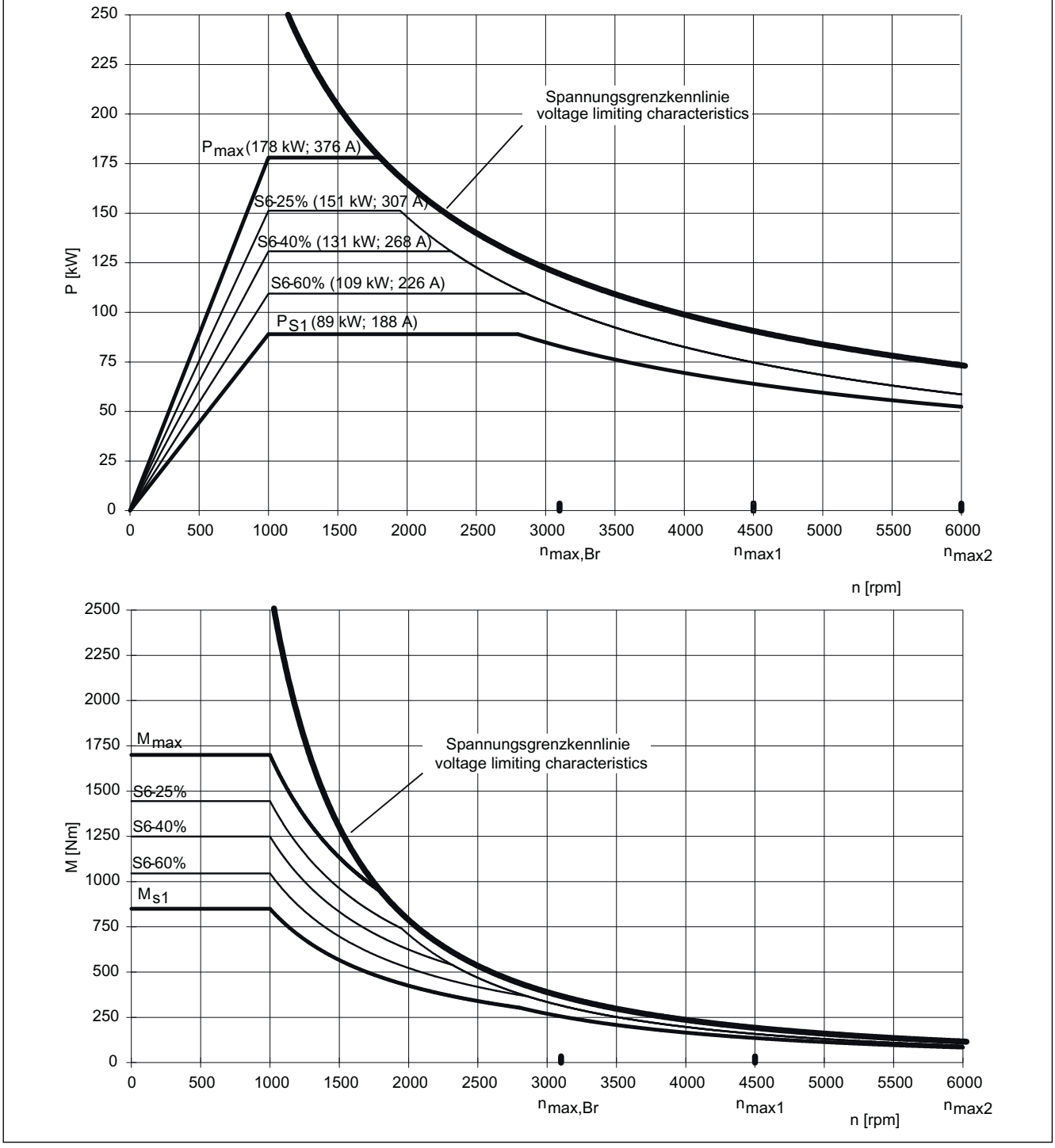


Table 2-377 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8224-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	101	839	186	4,500	6,000	-	3,100	3,000	1,677	372	839	186
1,000	88	839	186					3,600				

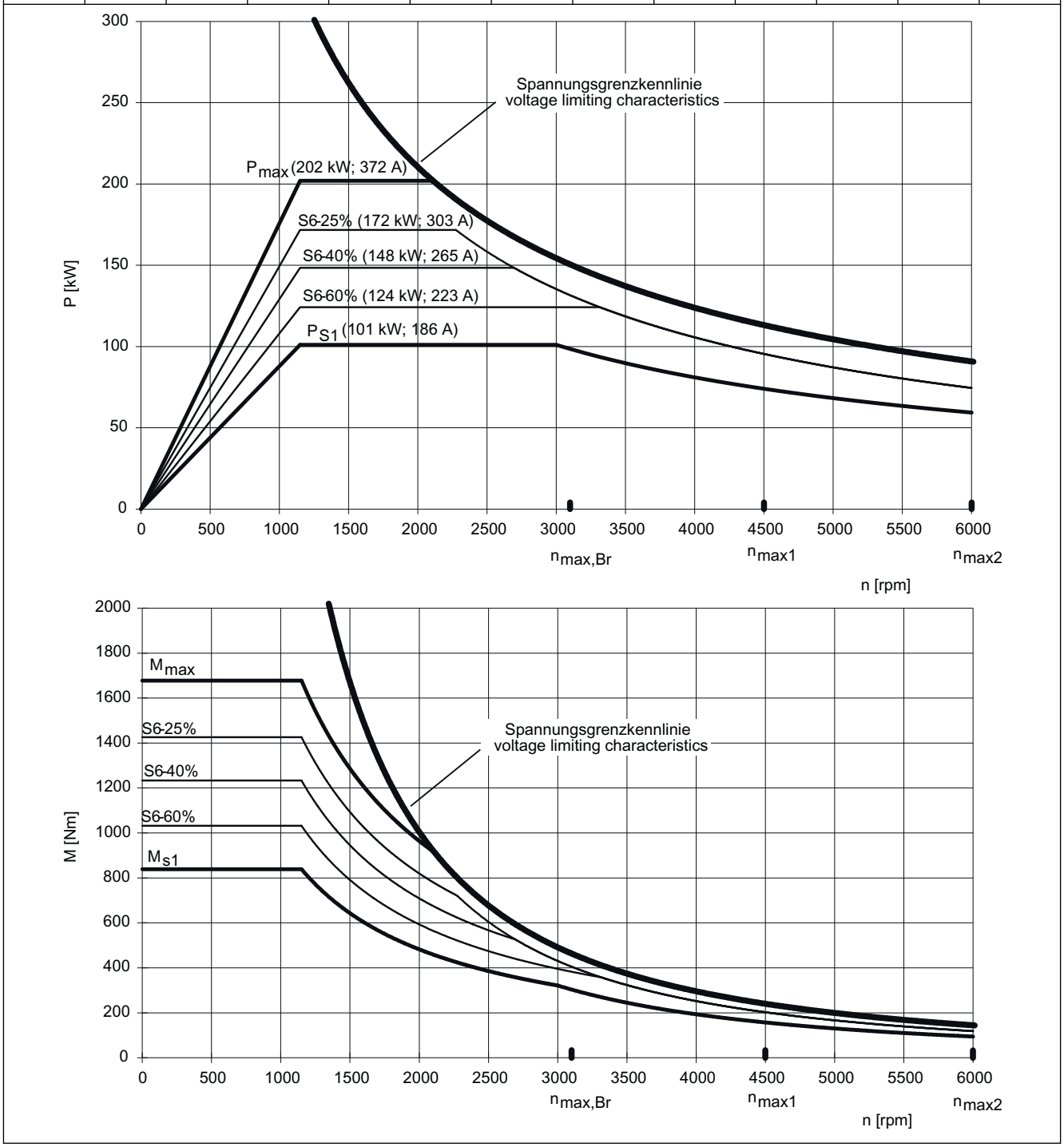
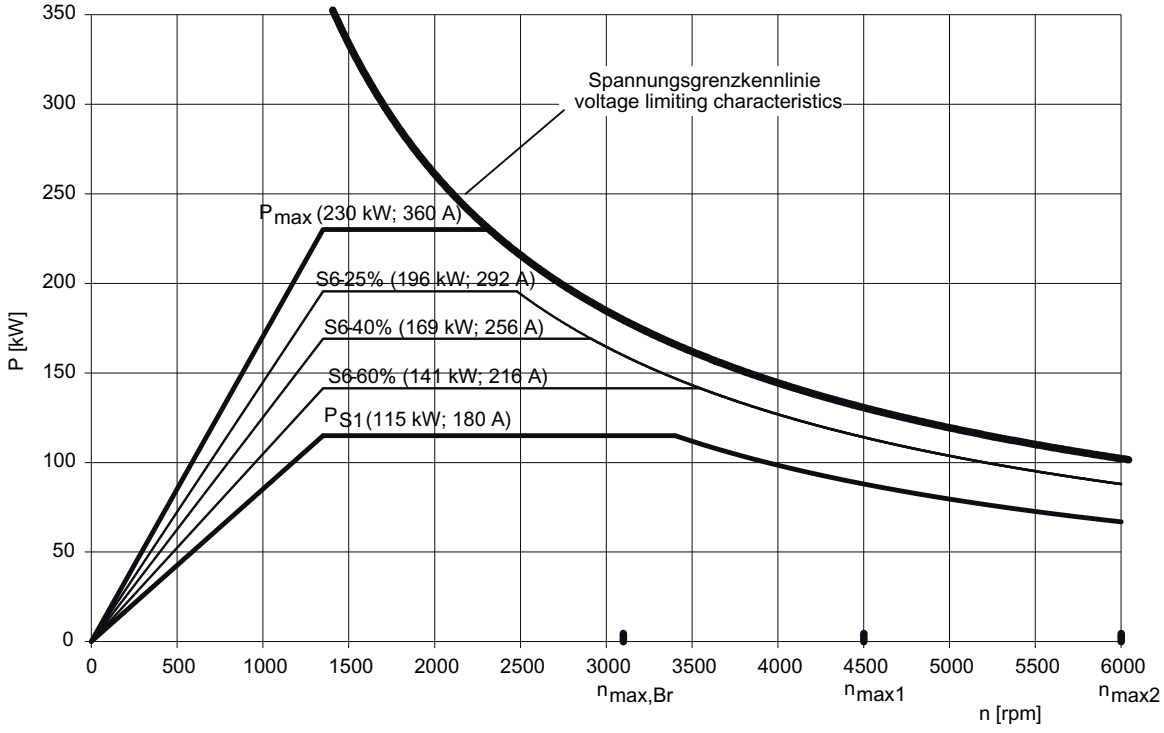


Table 2-378 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8224-☐☐D2☐

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	115	813	180	4,500	6,000	-	3,100	3,400	1,627	360	814	180



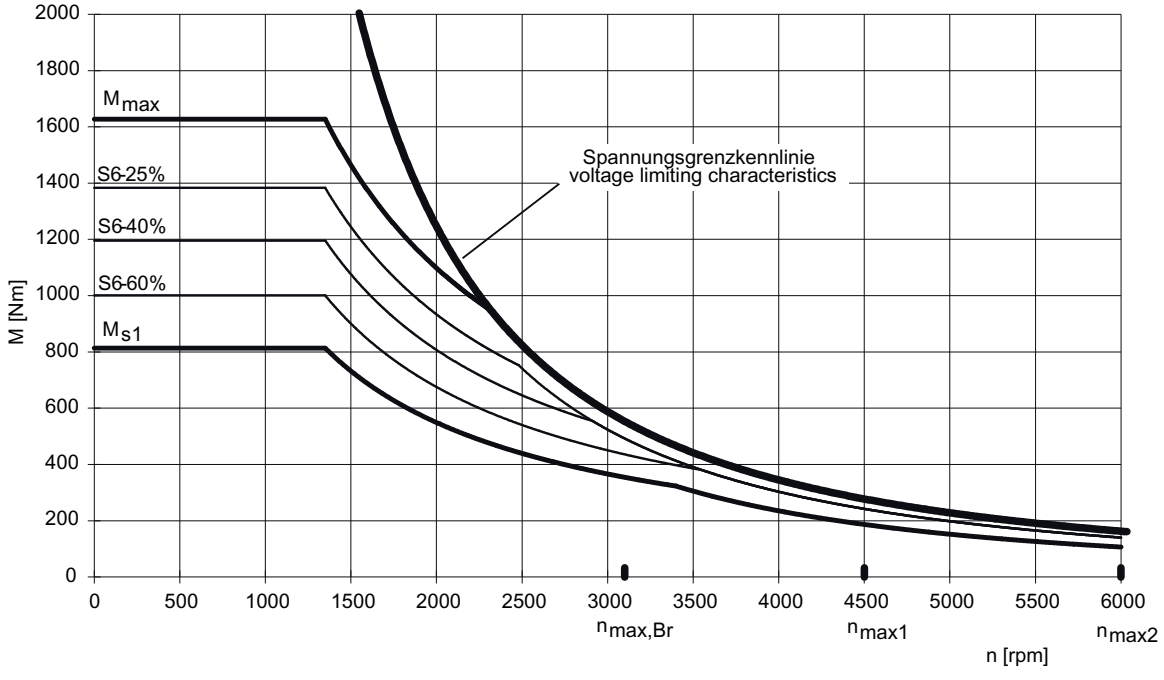


Table 2-379 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	119	758	240	4,500	6,000	-	3,100	3,500	1,515	480	758	240

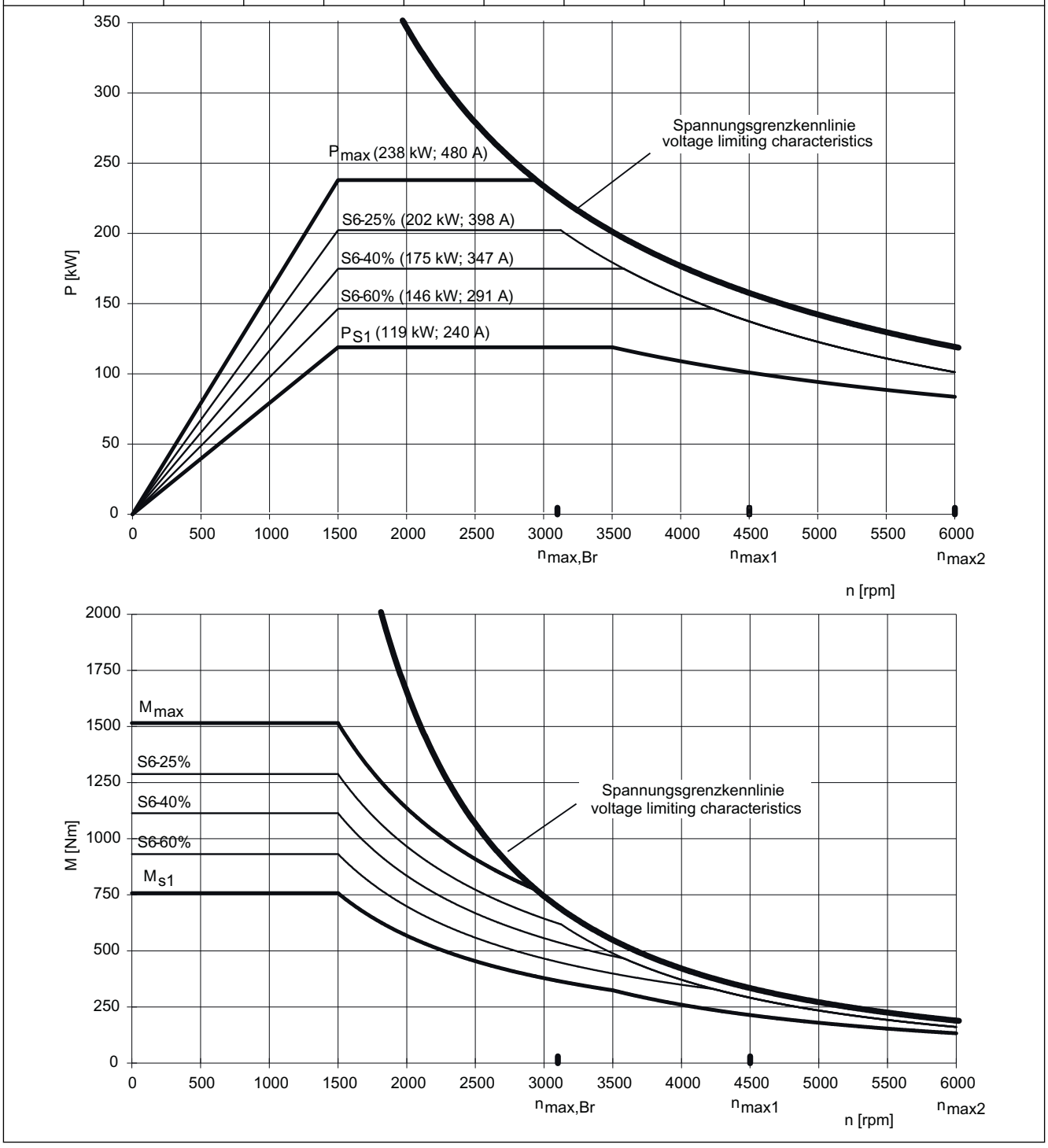
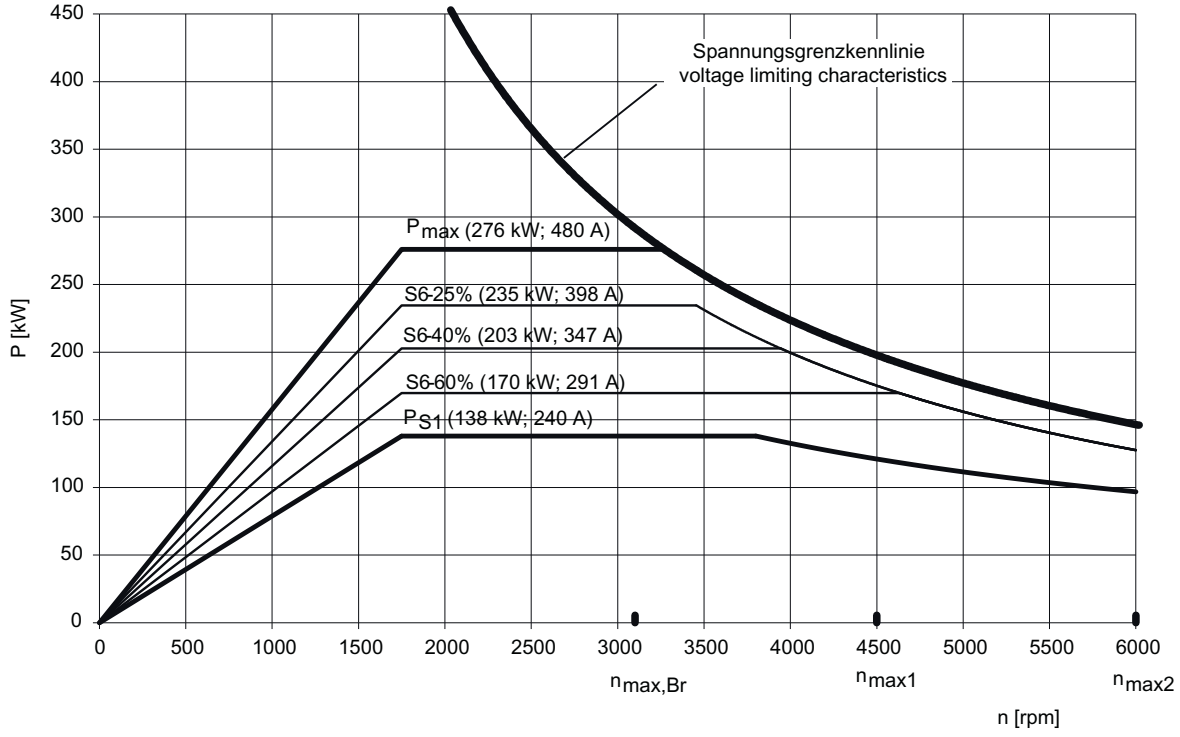


Table 2-380 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8224-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	138	753	240	4,500	6,000	-	3,100	3,800	1,506	480	753	240
1,500	118	753	240					4,500				



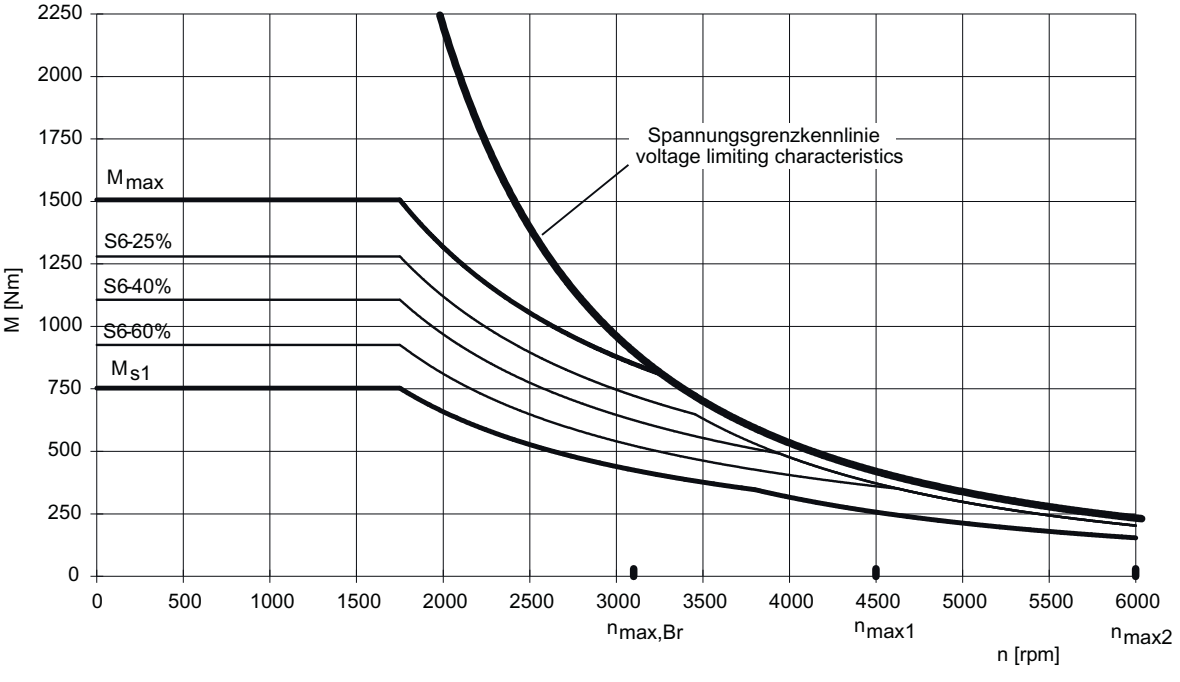


Table 2-381 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8224-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	155	740	235	4,500	6,000	-	3,100	4,200	1,480	470	740	235

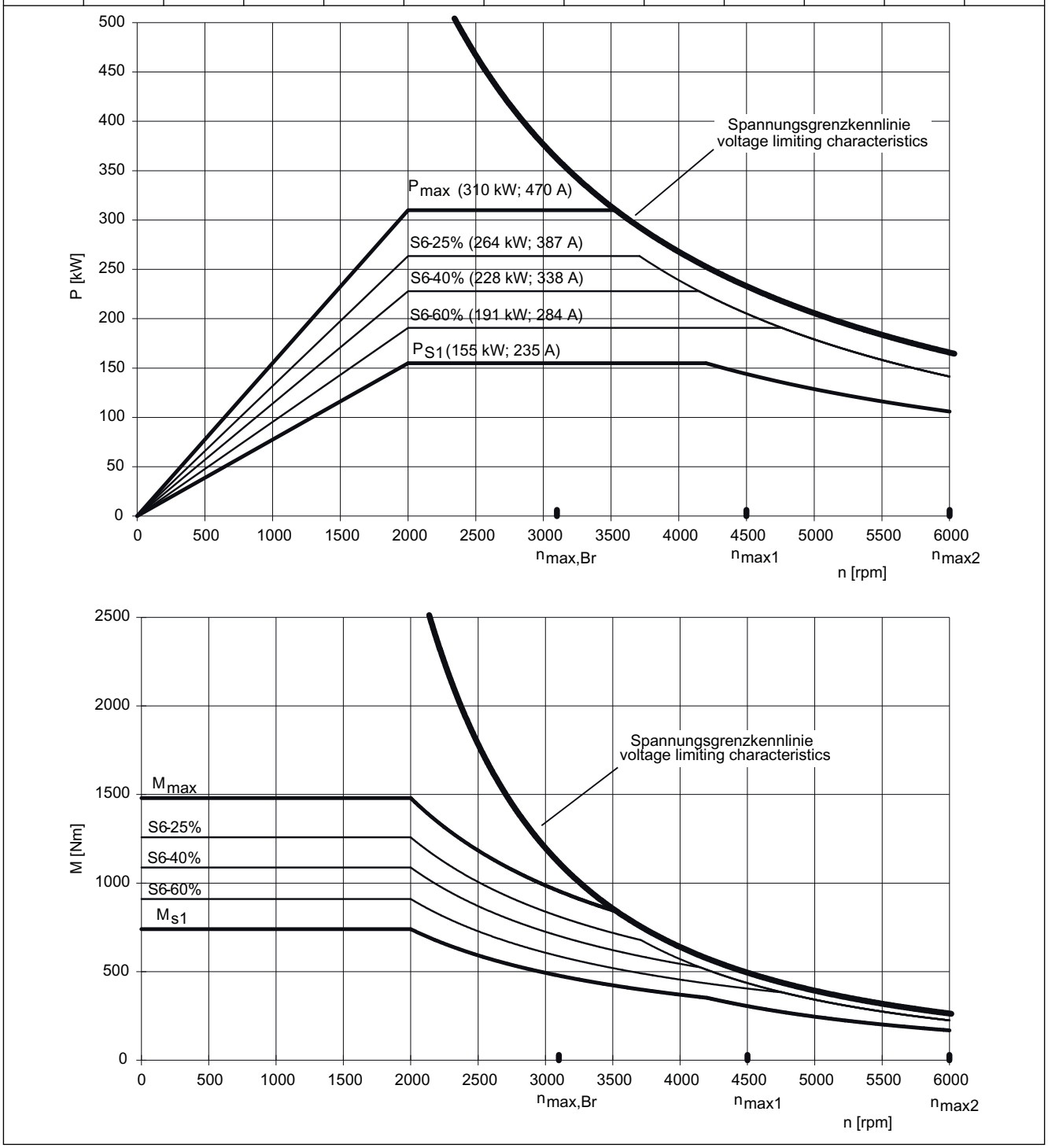
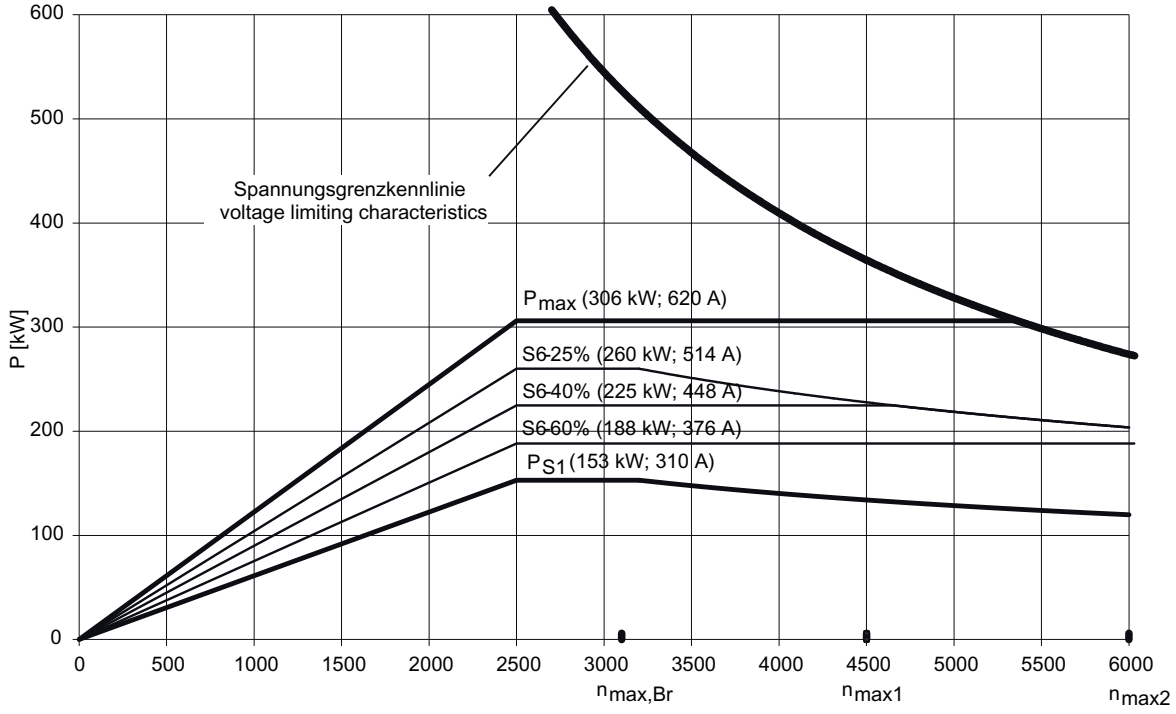


Table 2-382 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8224-□□L2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,500	153	584	310	4,500	6,000	-	3,100	3,200	1,169	620	584	310



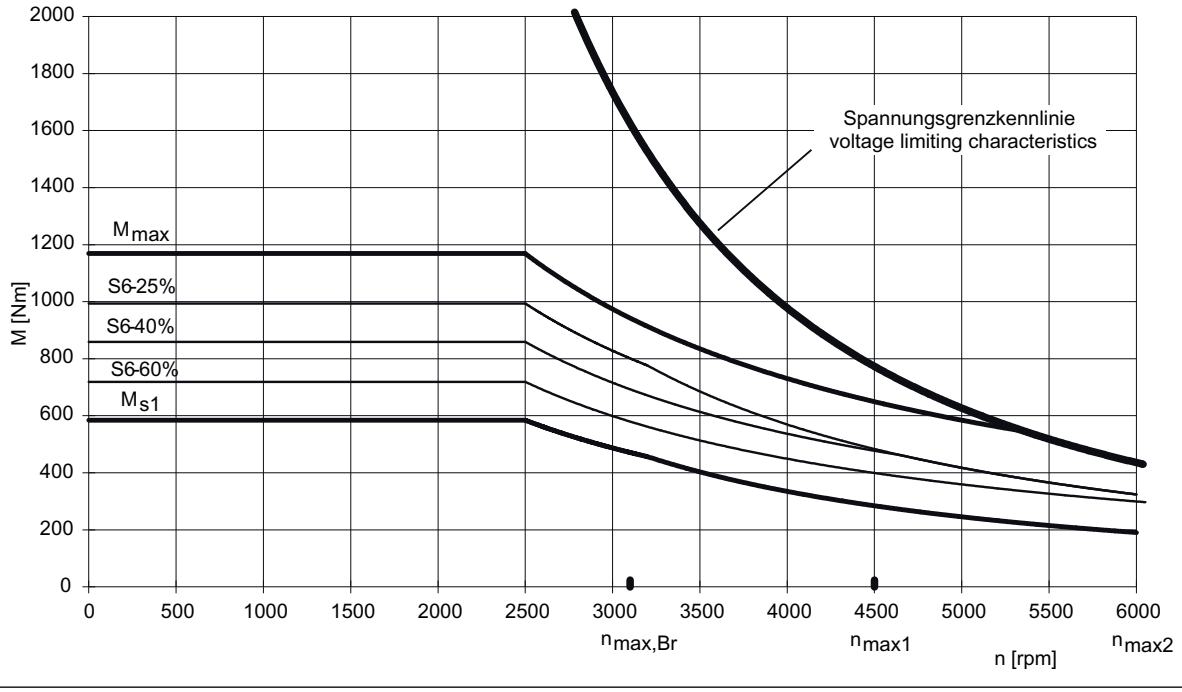
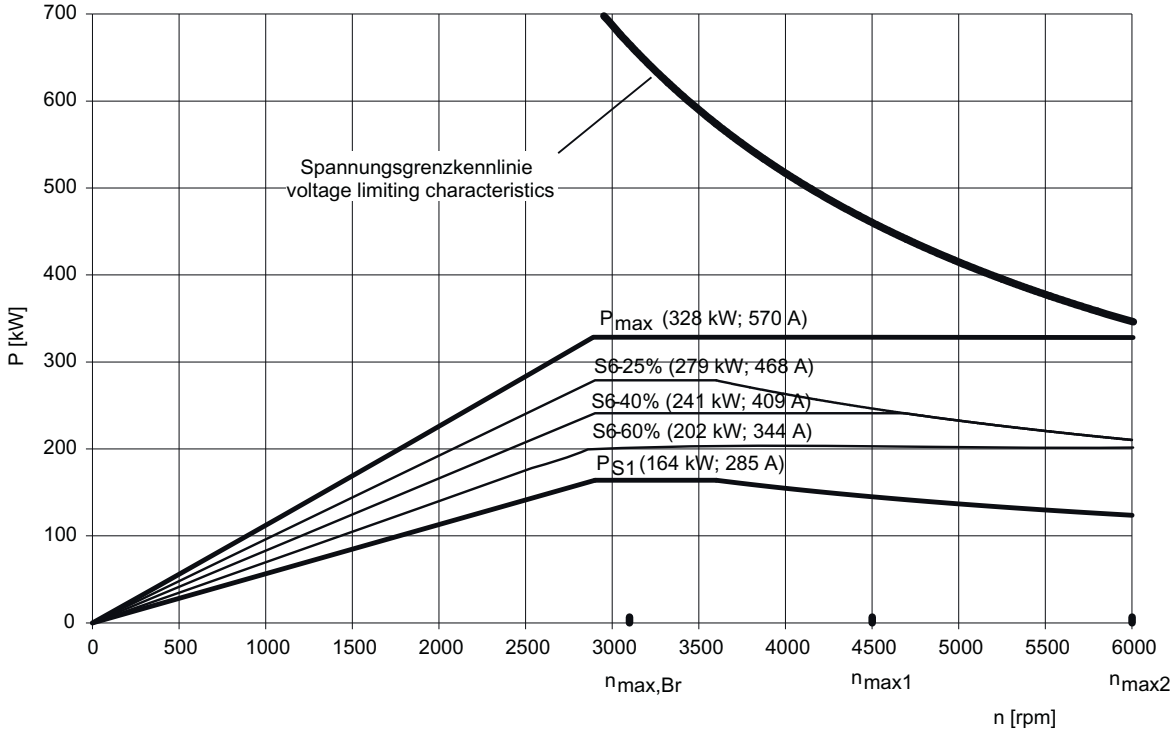


Table 2-383 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8224-□□L2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,900	164	540	285	4,500	6,000	-	3,100	3,600	1,080	570	540	285
2,500	141	540	285					4,500				



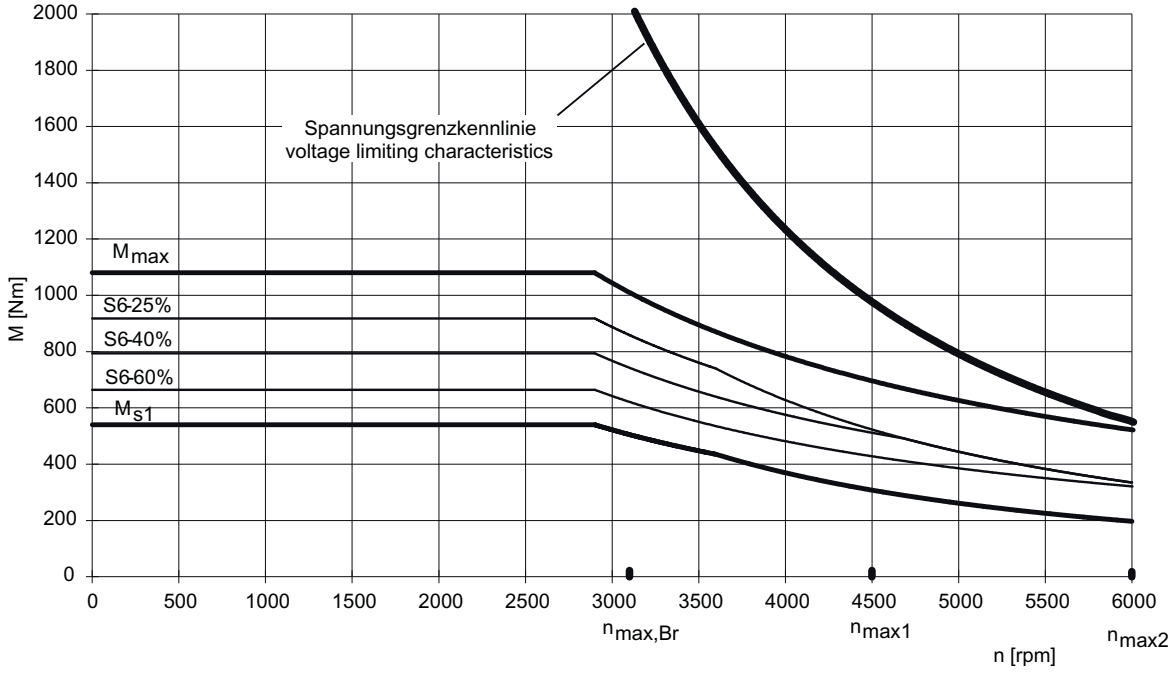


Table 2-384 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8224-□□L2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
3,400	164	461	255	4,500	6,000	-	3,100	4,100	921	510	461	255

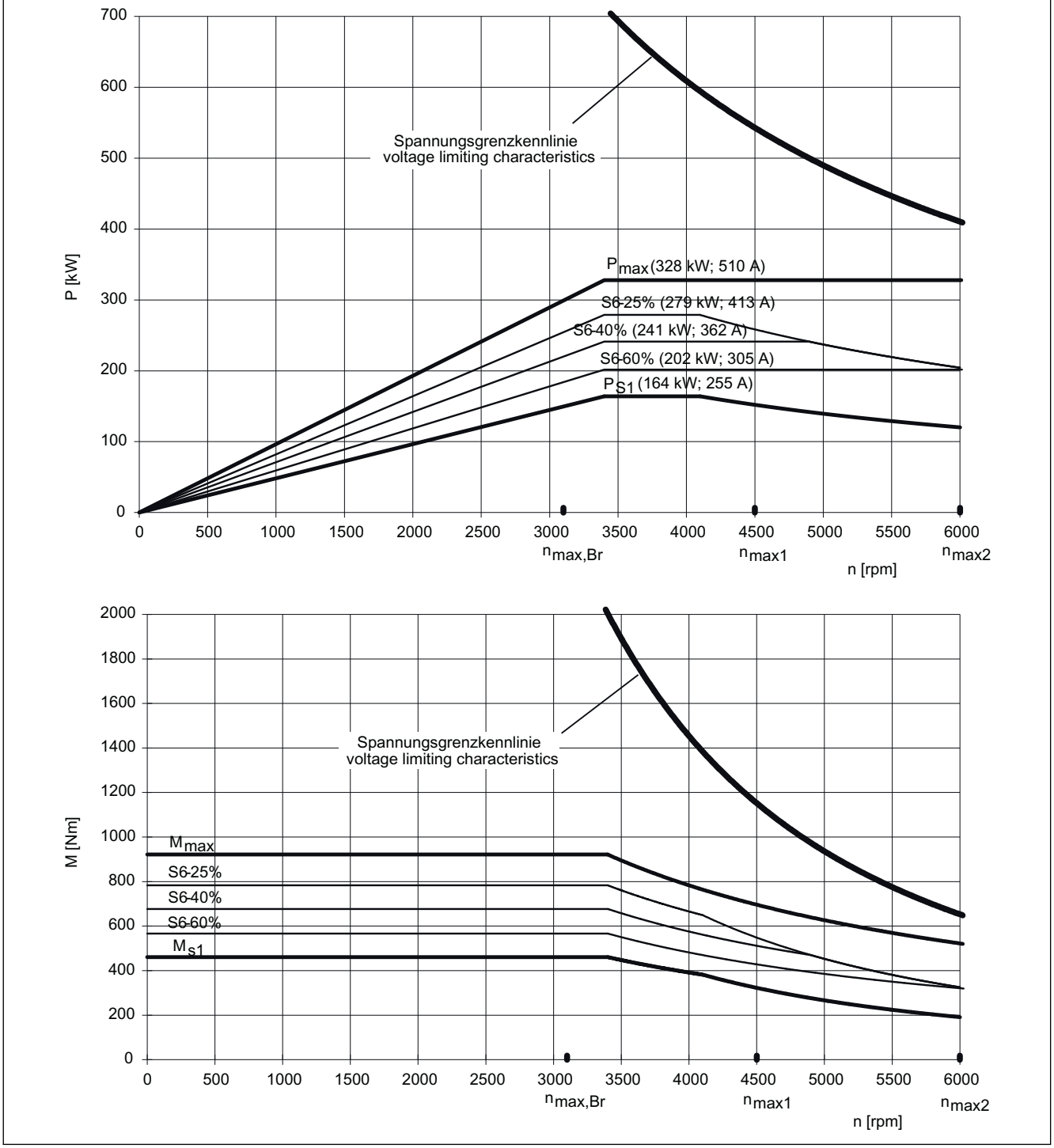


Table 2-385 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	47	1,122	130	4,500	6,000	-	3,100	1,600	2,244	260	1,122	130

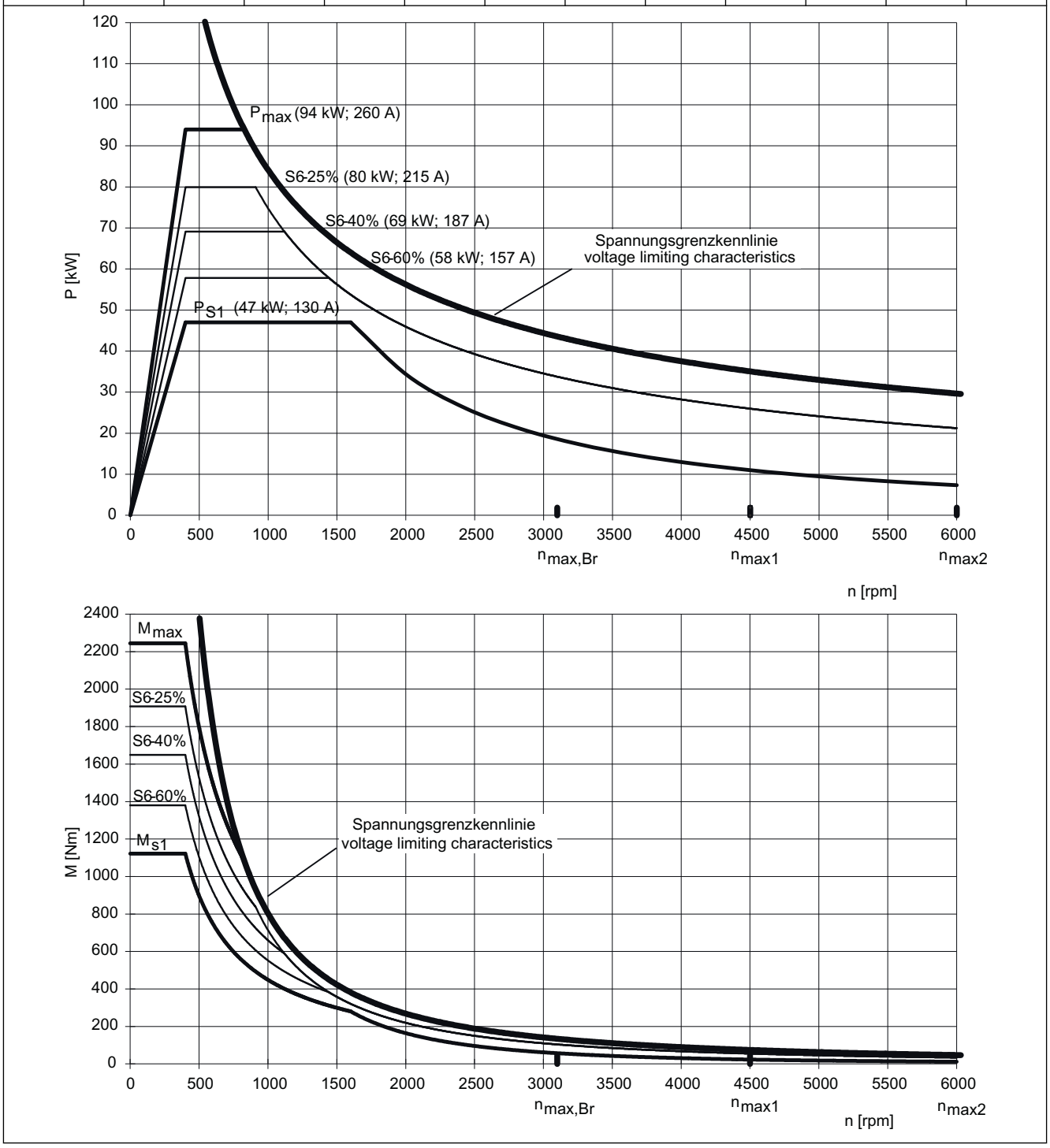


Table 2-386 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8226-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	59	1,127	128	4,500	6,000	-	3,100	1,700	2,254	256	1,127	128
400	47	1,127	128					2,000				

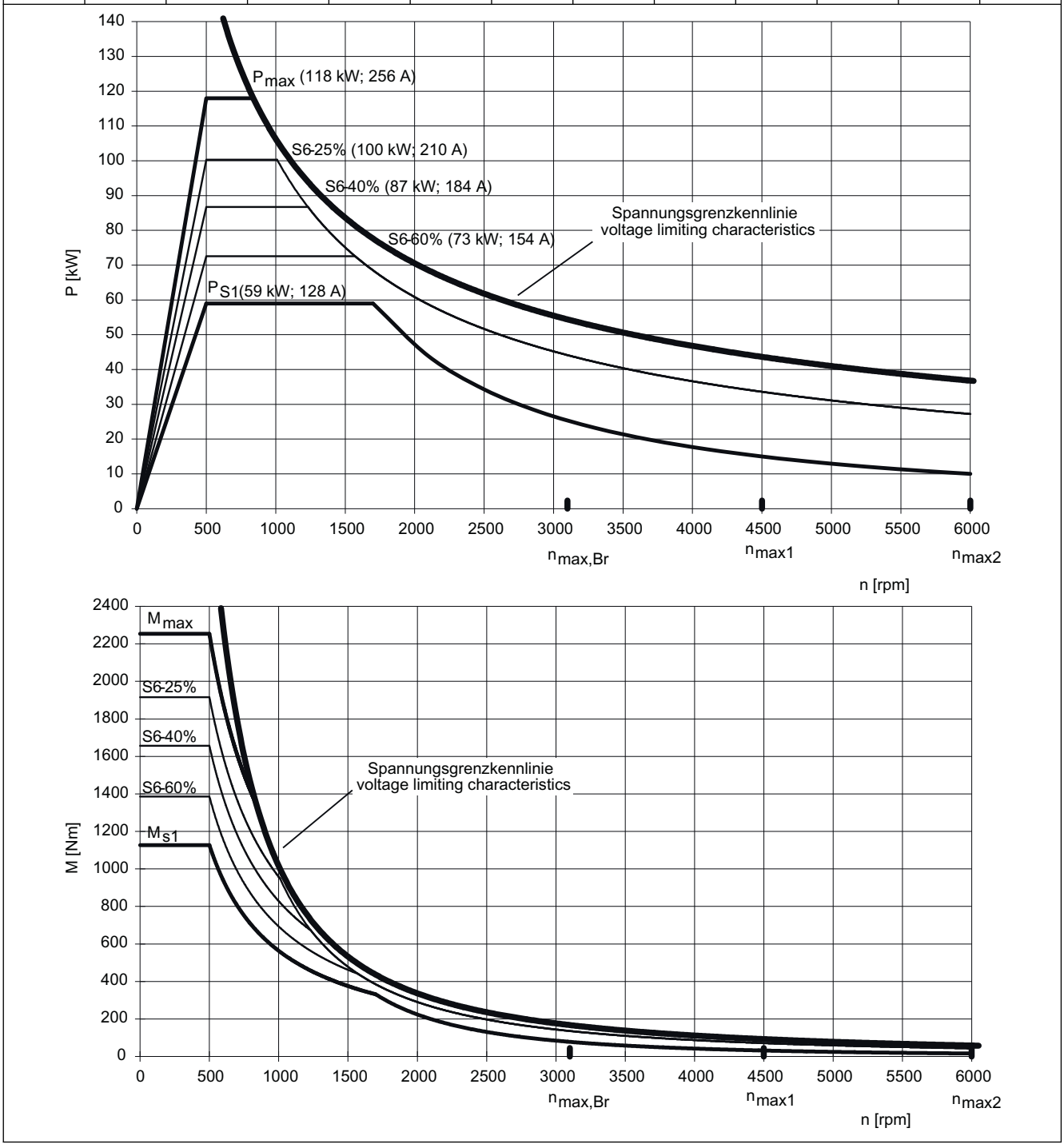
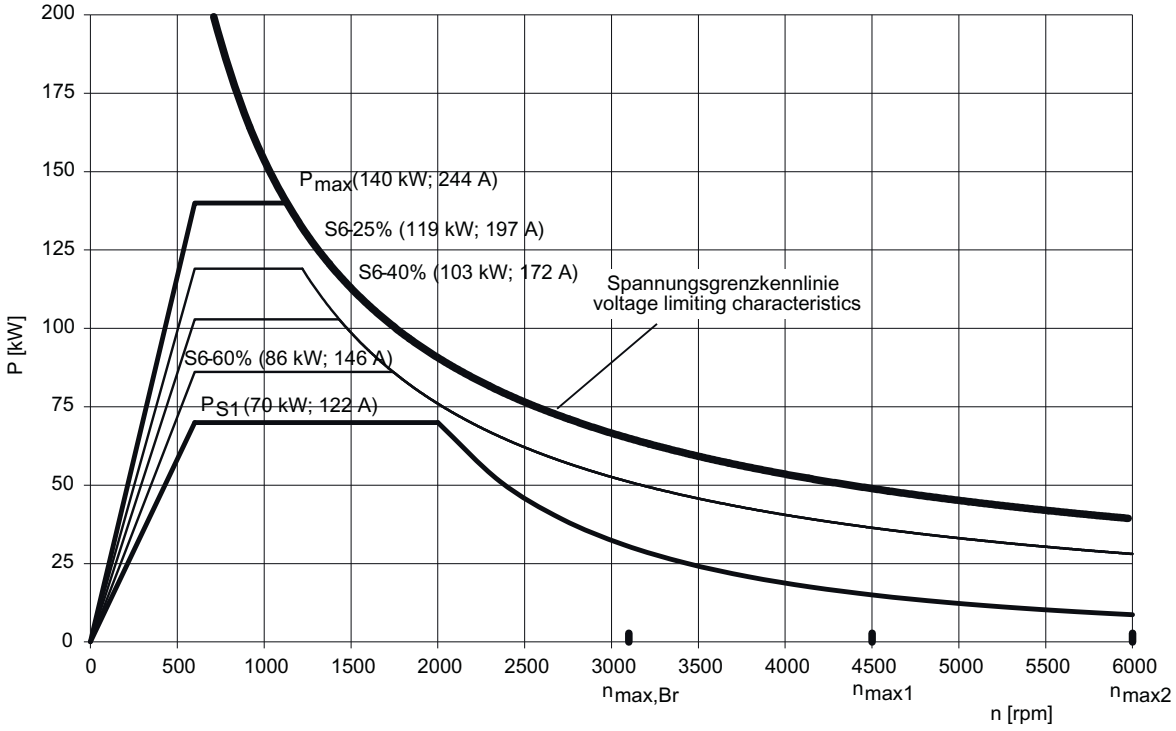


Table 2-387 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8226-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	70	1,114	122	4,500	6,000	-	3,100	2,000	2,228	244	1,114	122



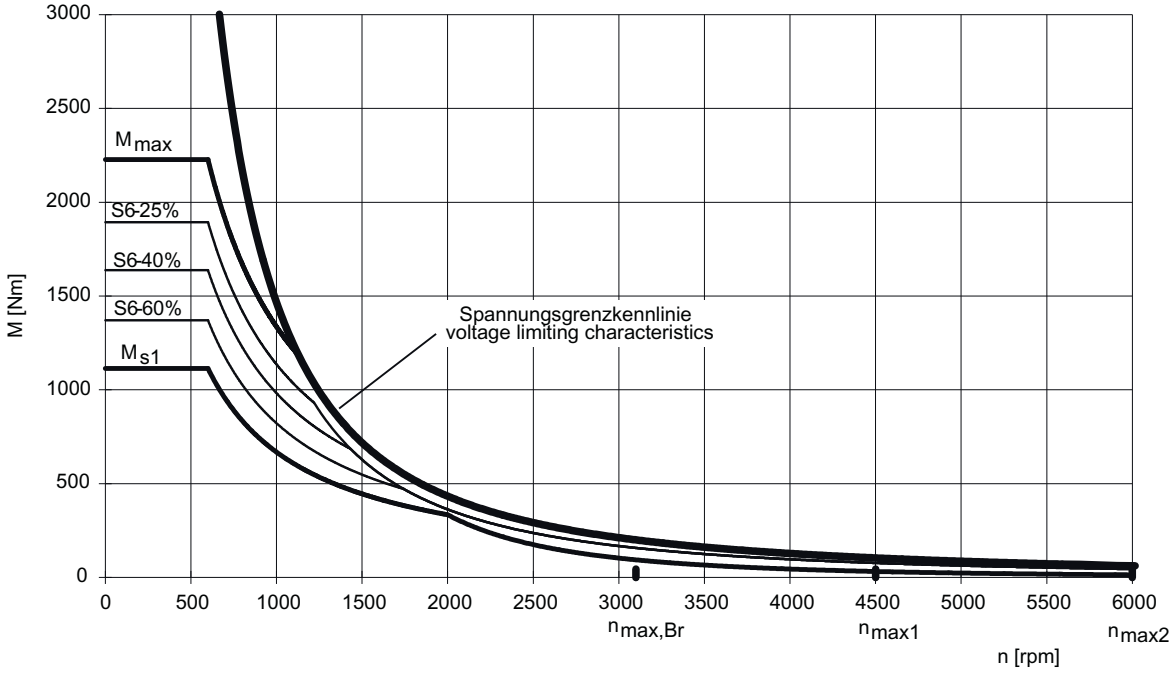
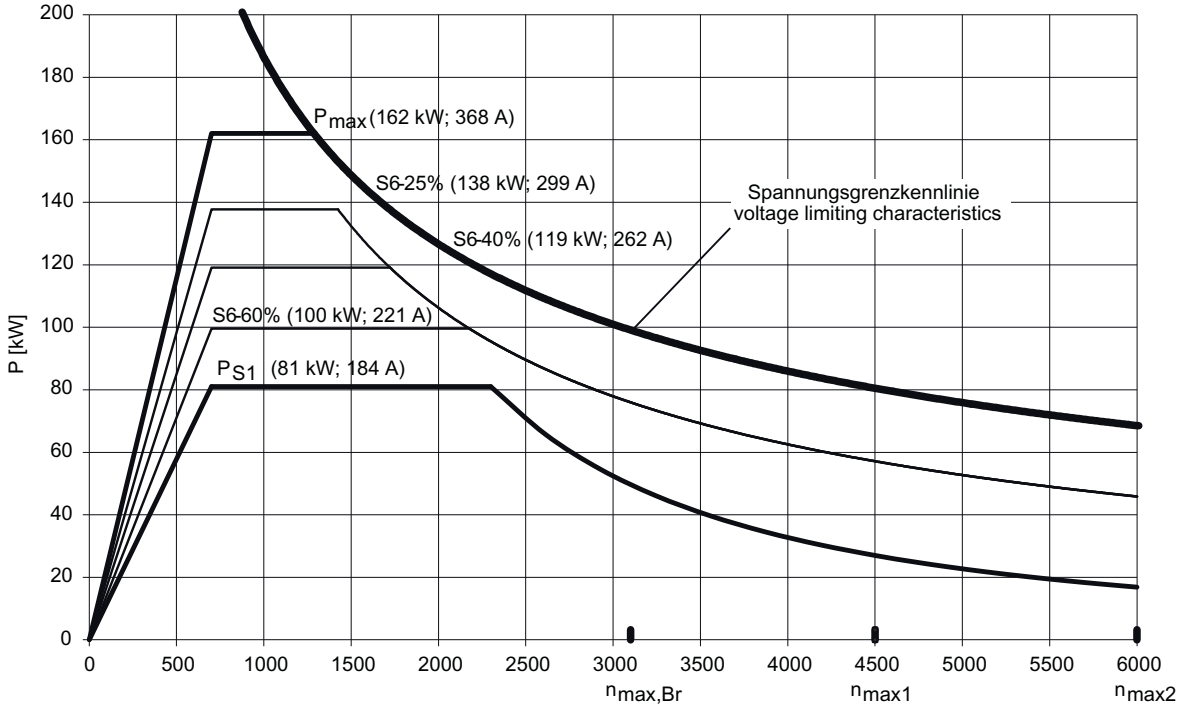


Table 2-388 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	81	1,105	184	4,500	6,000	-	3,100	2,300	2,210	368	1,105	184



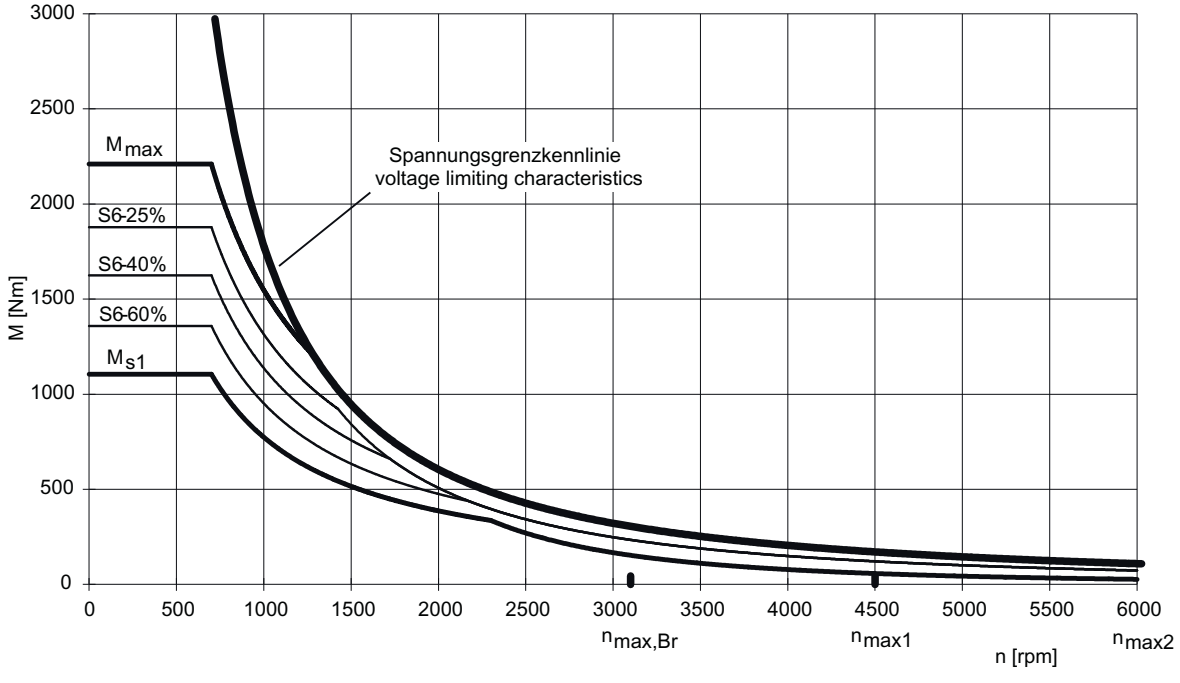


Table 2-389 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8226-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	93	1,110	186	4,500	6,000	-	3,100	2,500	2,220	372	1,110	186
700	81	1,110	186					2,700				

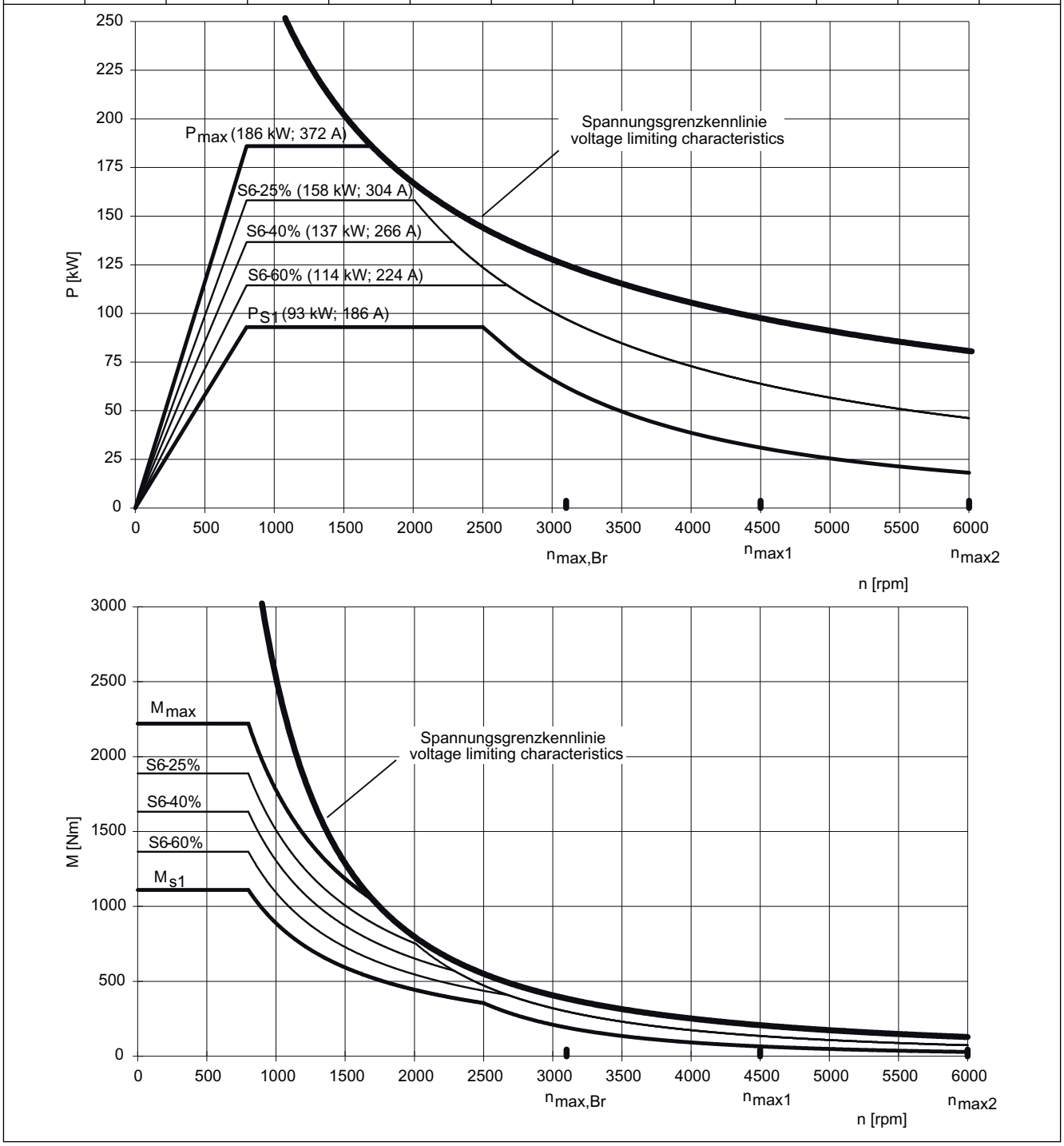
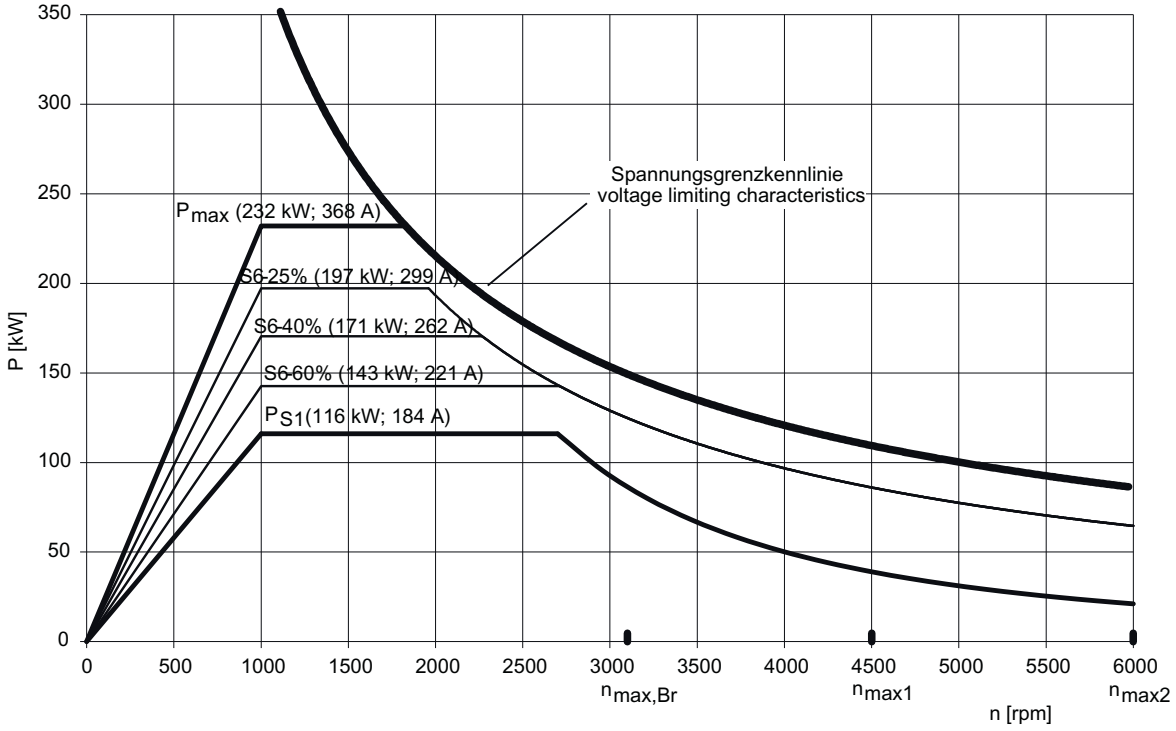


Table 2-390 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8226-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	116	1,108	184	4,500	6,000	-	3,100	2,700	2,216	368	1,108	184



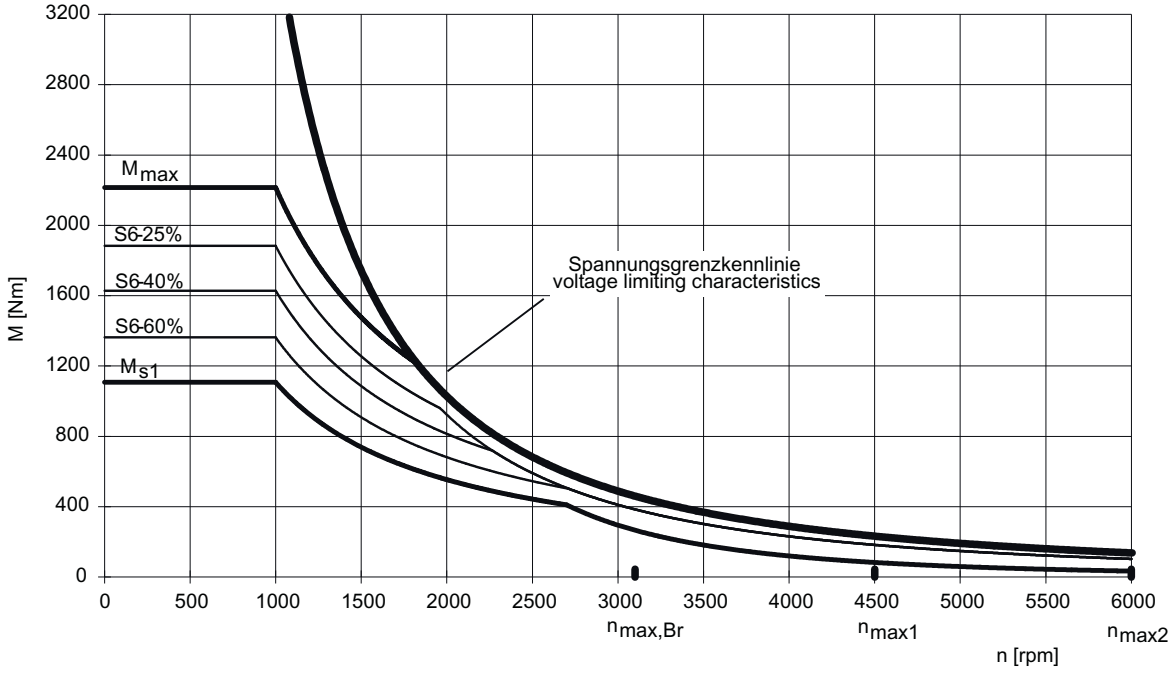


Table 2-391 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	115	1,098	235	4,500	6,000	-	3,100	2,400	2,197	470	1,098	235

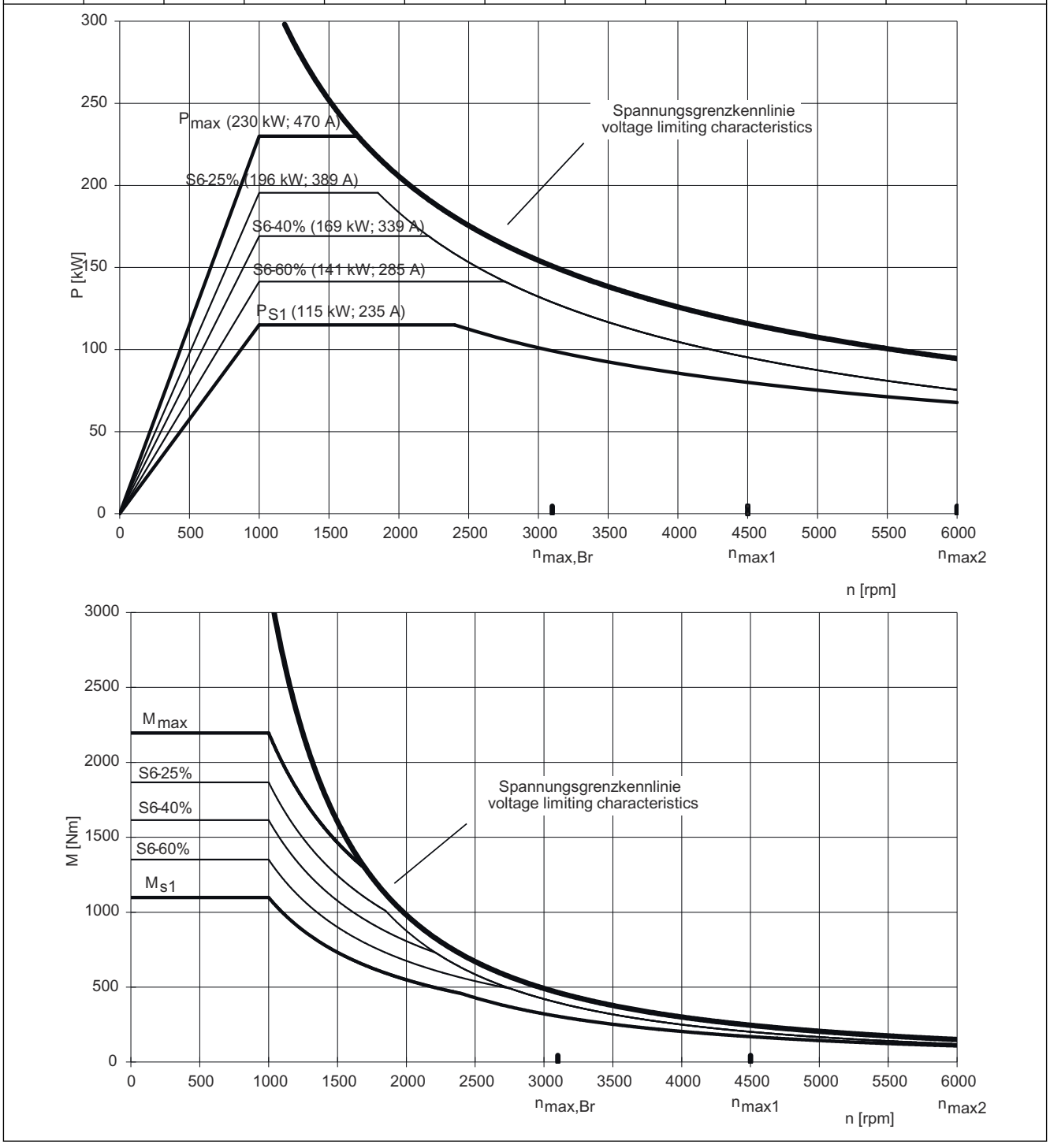
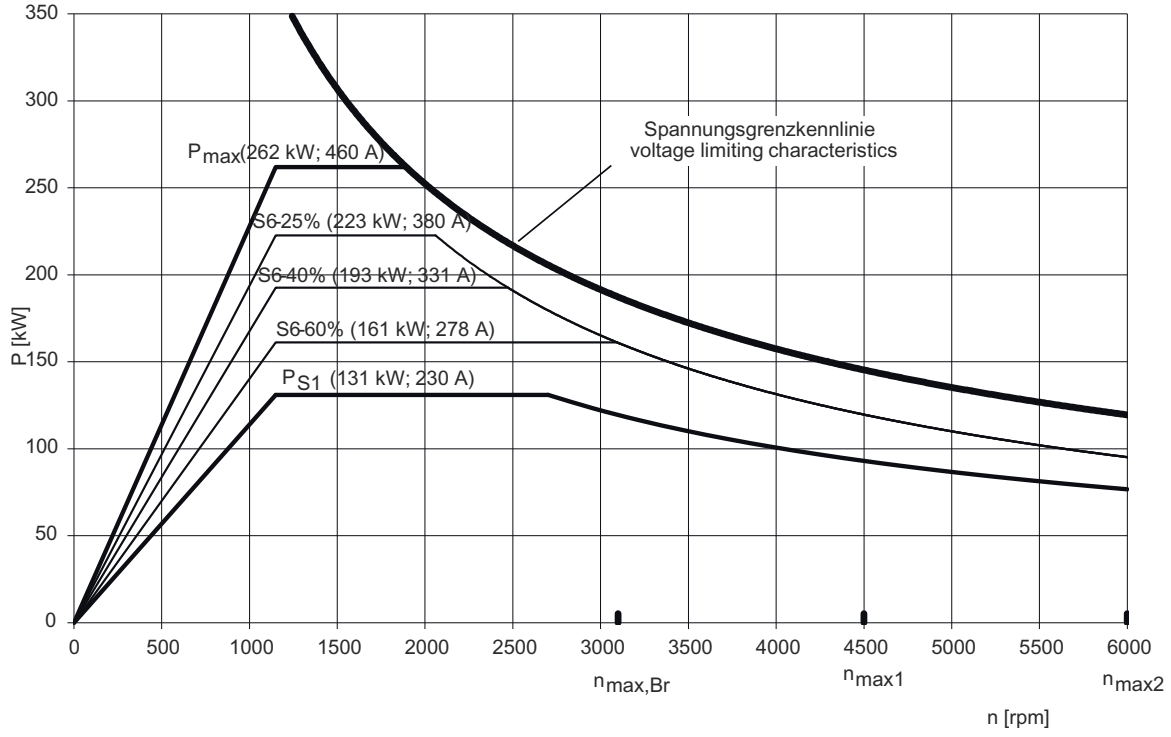


Table 2-392 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8226-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	131	1,088	230	4,500	6,000	-	3,100	2,700	2,176	460	1,088	230
1,000	114	1,088	230					3,300				



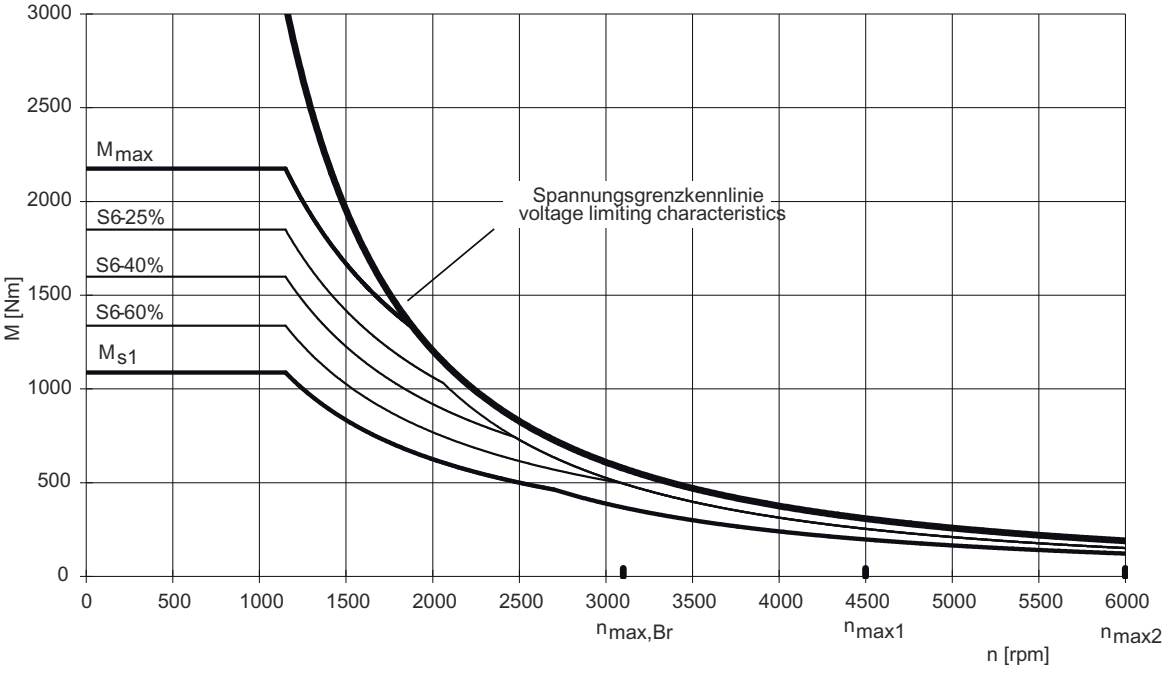


Table 2-393 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8226-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	150	1,061	225	4,500	6,000	-	3,100	3,200	2,122	450	1,061	225

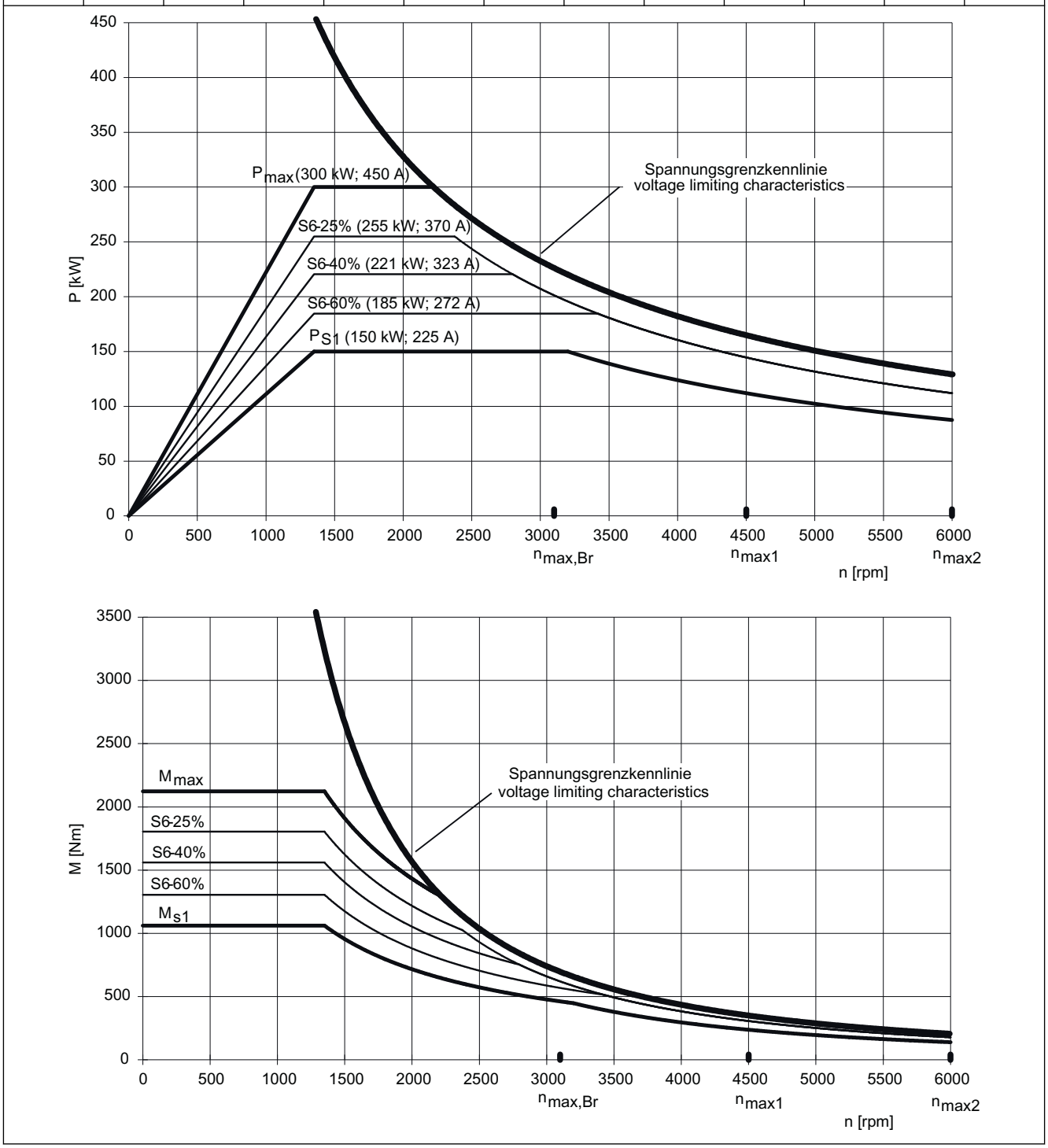


Table 2-394 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	145	923	295	4,500	6,000	-	3,100	3,700	1,846	590	923	295

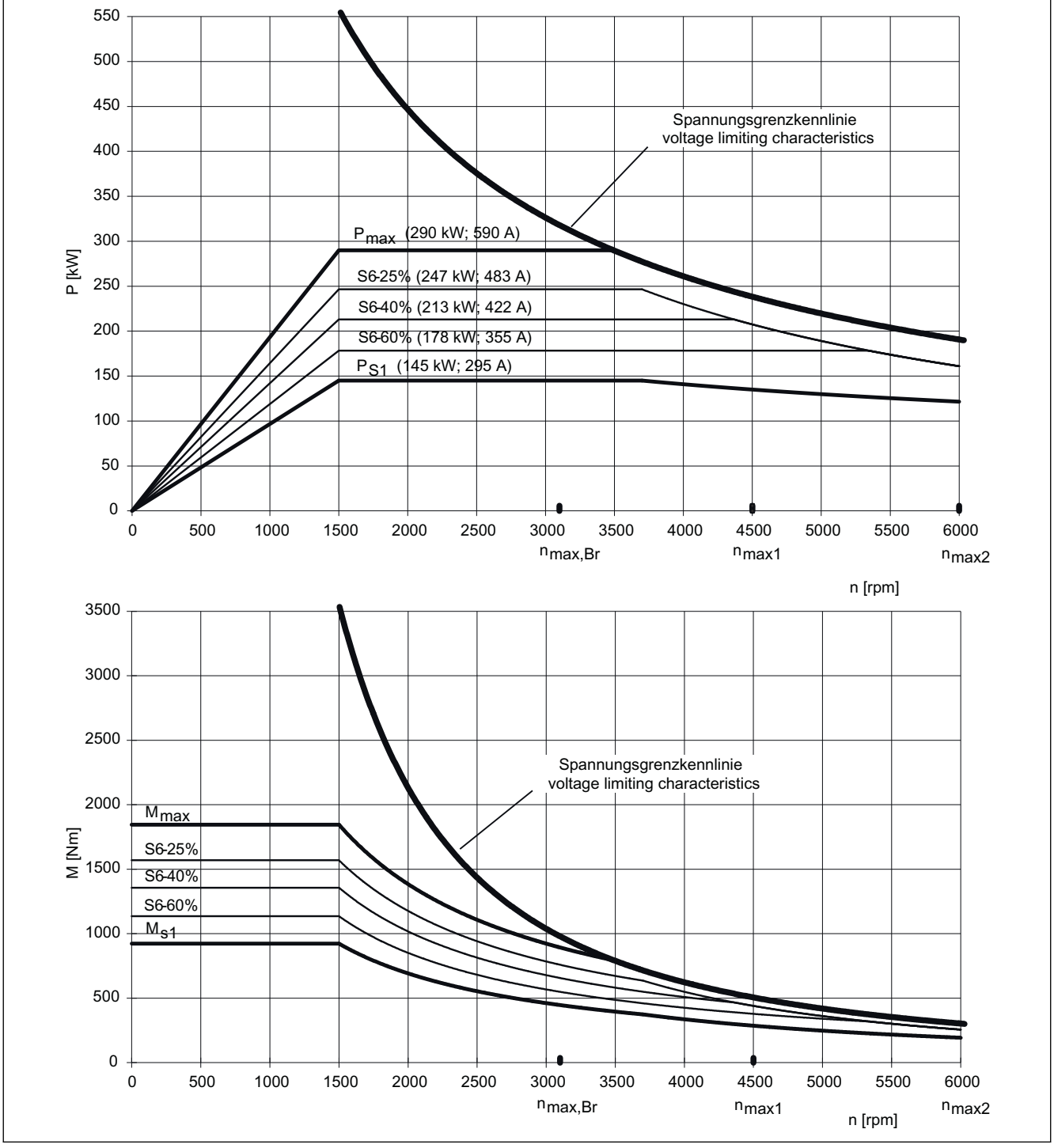


Table 2-395 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8226-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	169	922	295	4,500	6,000	-	3,100	3,900	1,845	590	922	295
1,500	145	922	295					4,500				

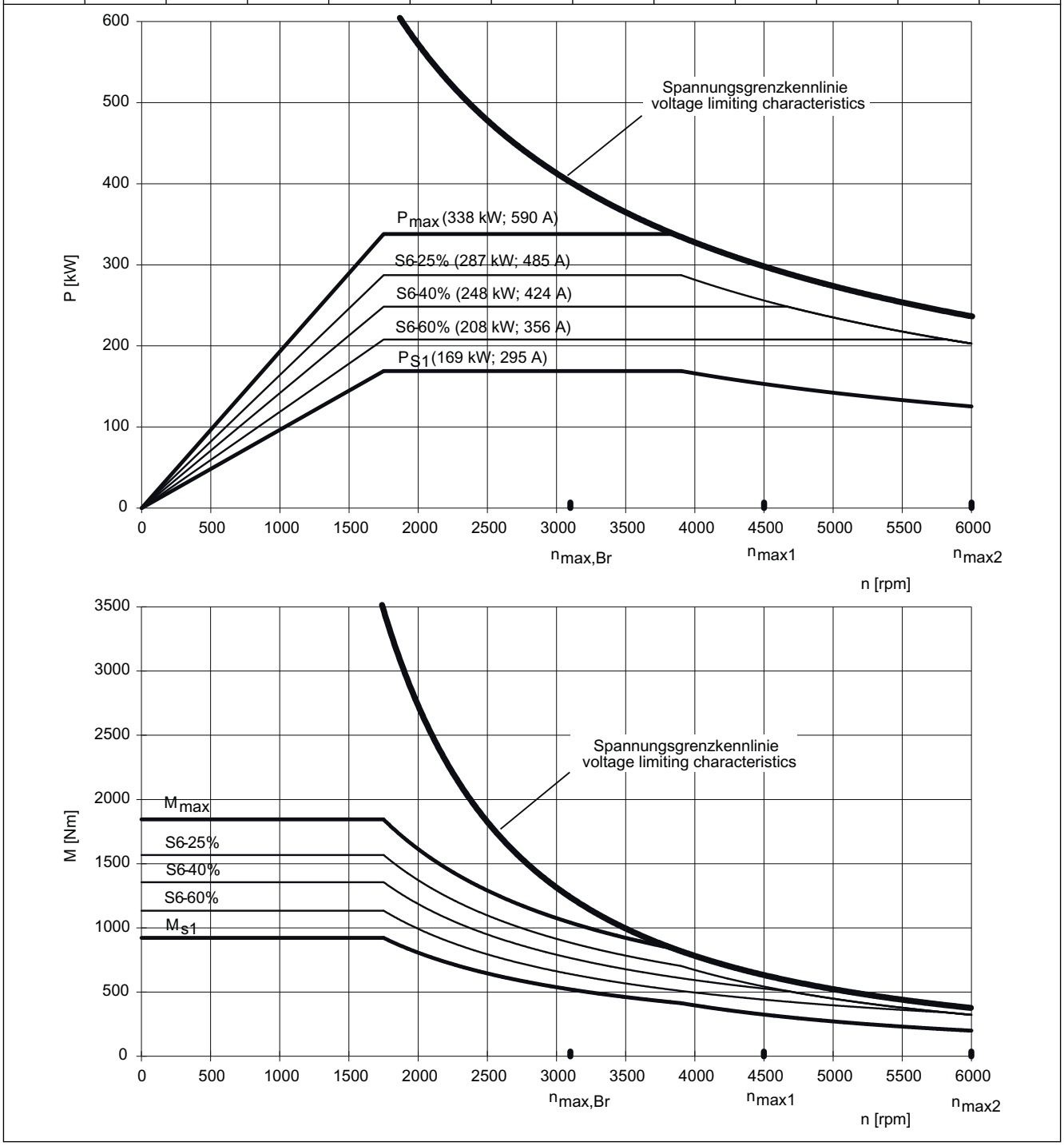
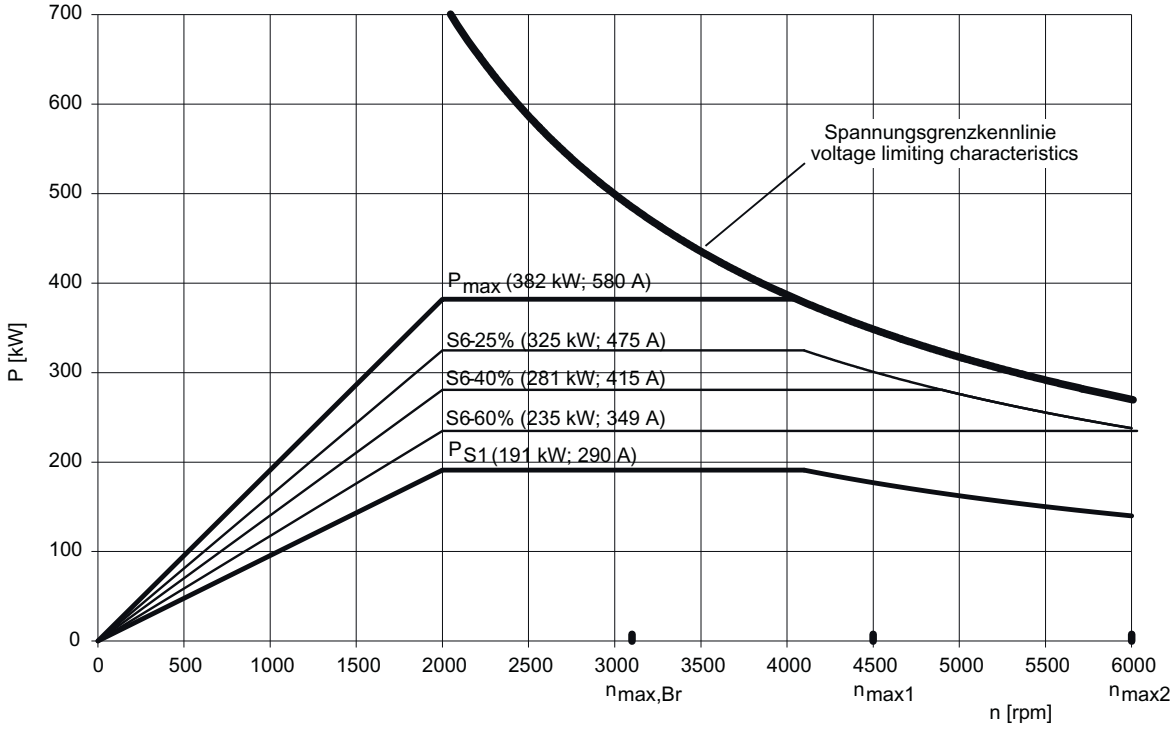


Table 2-396 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8226-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	191	912	290	4,500	6,000	-	3,100	4,100	1,824	580	912	290



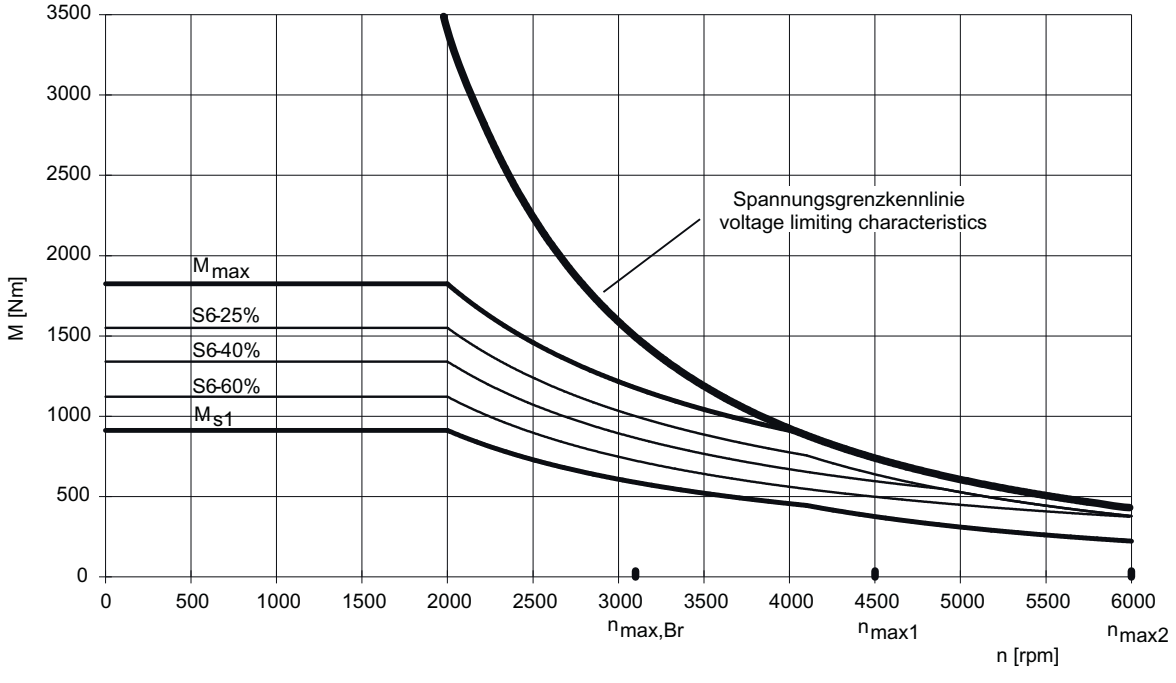


Table 2-397 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8226-□□L2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,500	185	707	380	4,500	6,000	-	3,100	3,200	1,413	760	707	380

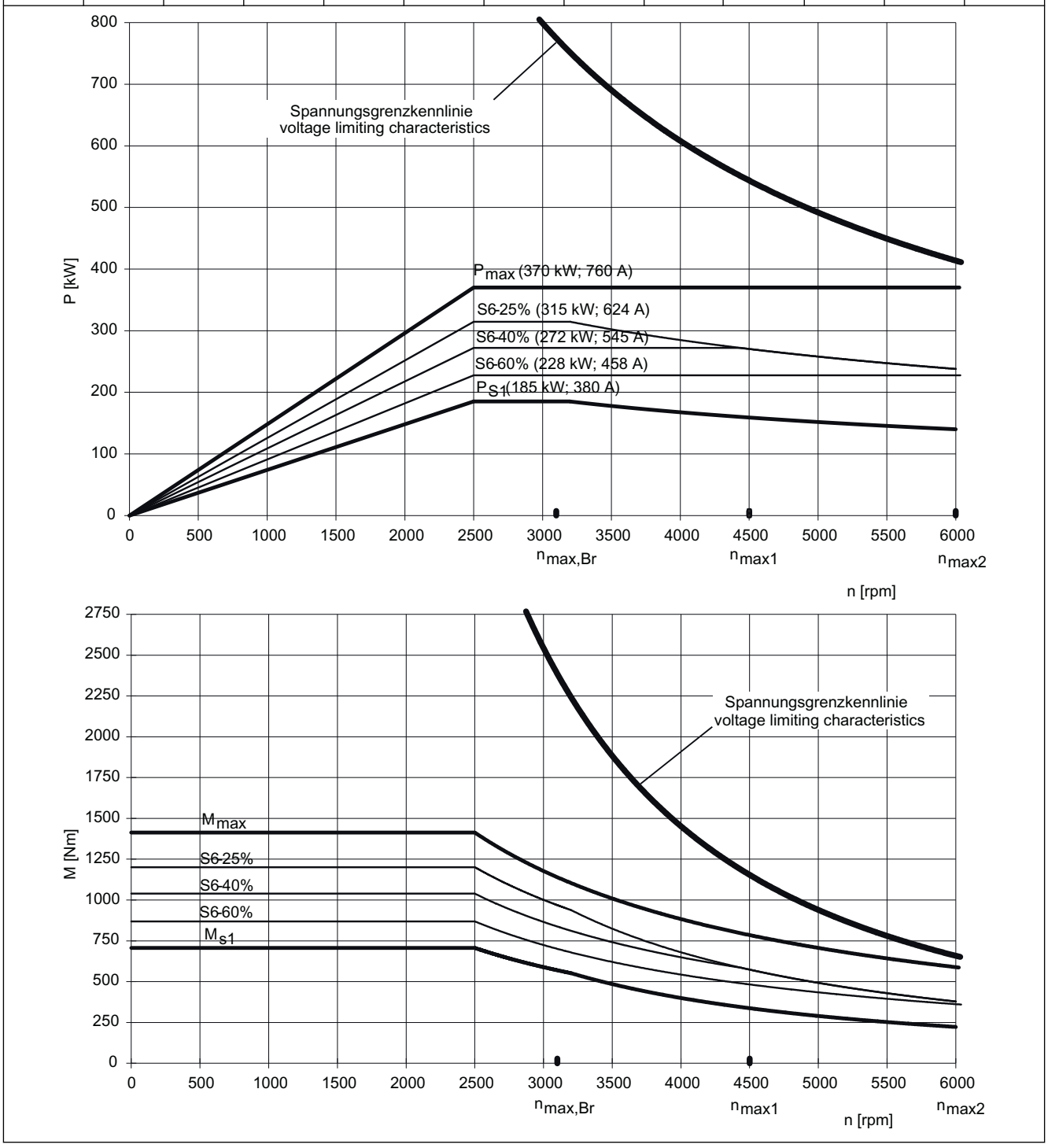


Table 2-398 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8226-□□L2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,900	204	672	360	4,500	6,000	-	3,100	3,600	1,343	720	672	360
2,500	176	672	360					4,500				

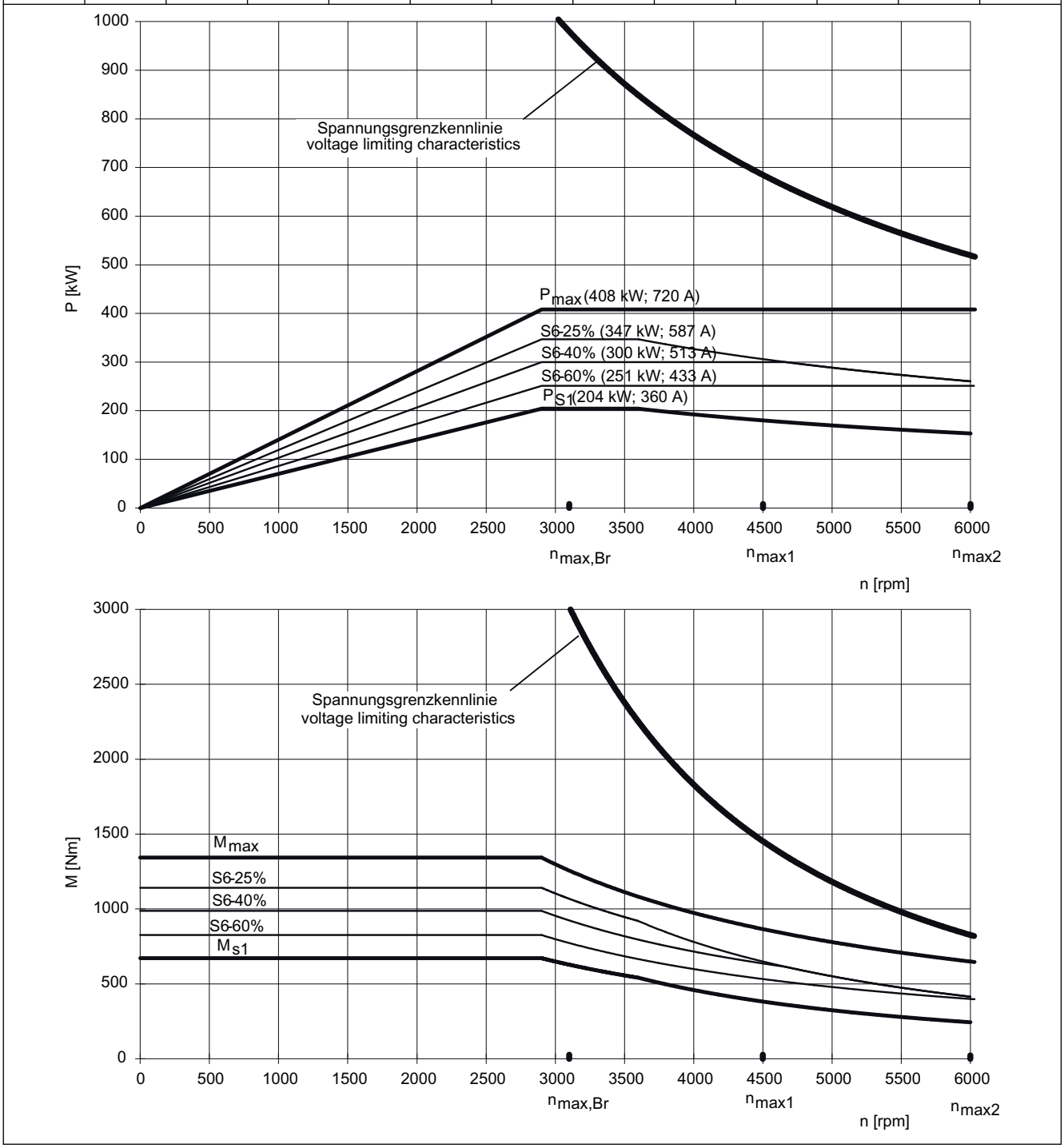


Table 2-399 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8226-□□L2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
3,400	199	559	310	4,500	6,000	-	3,100	4,100	1,118	620	559	310

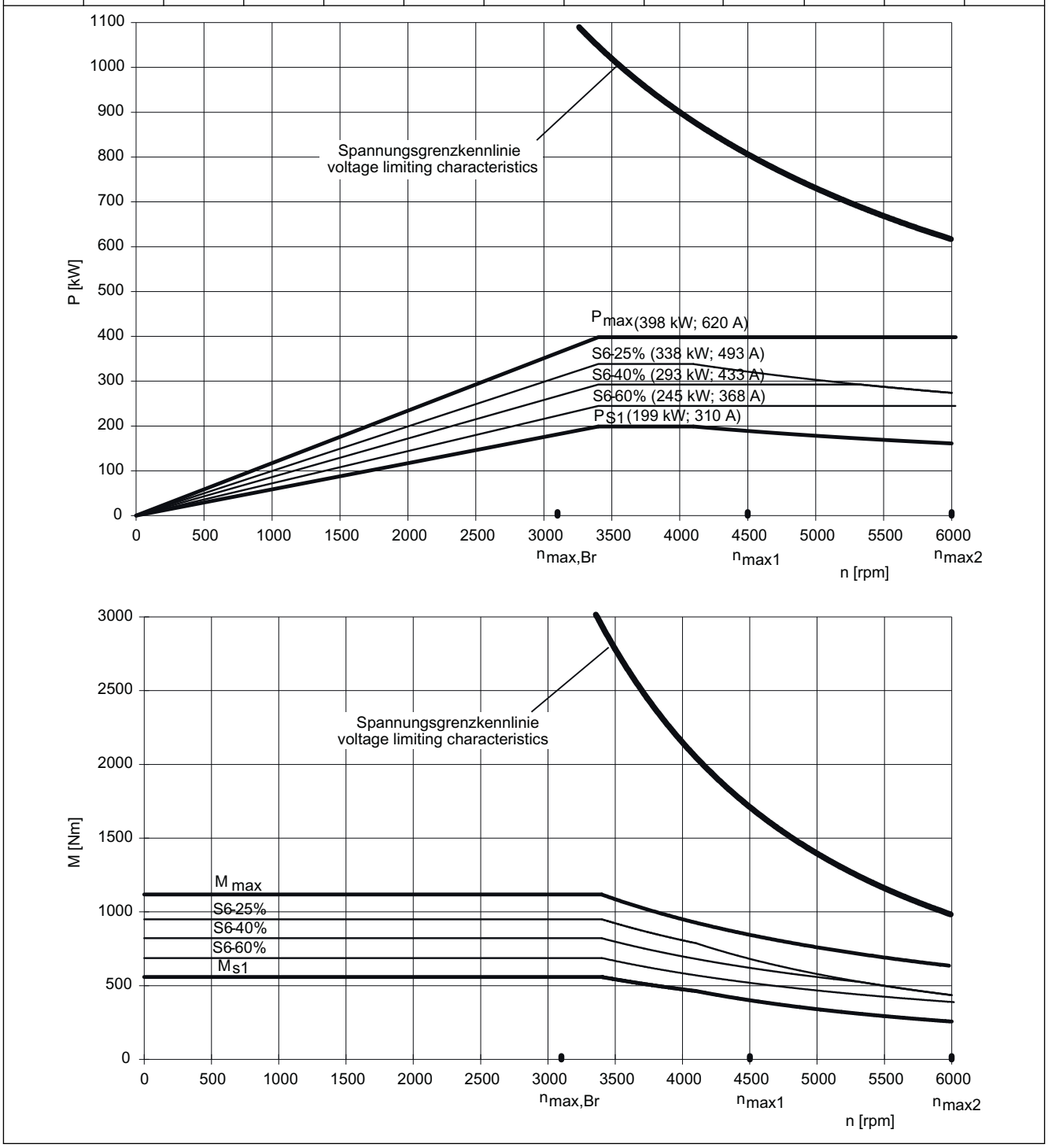
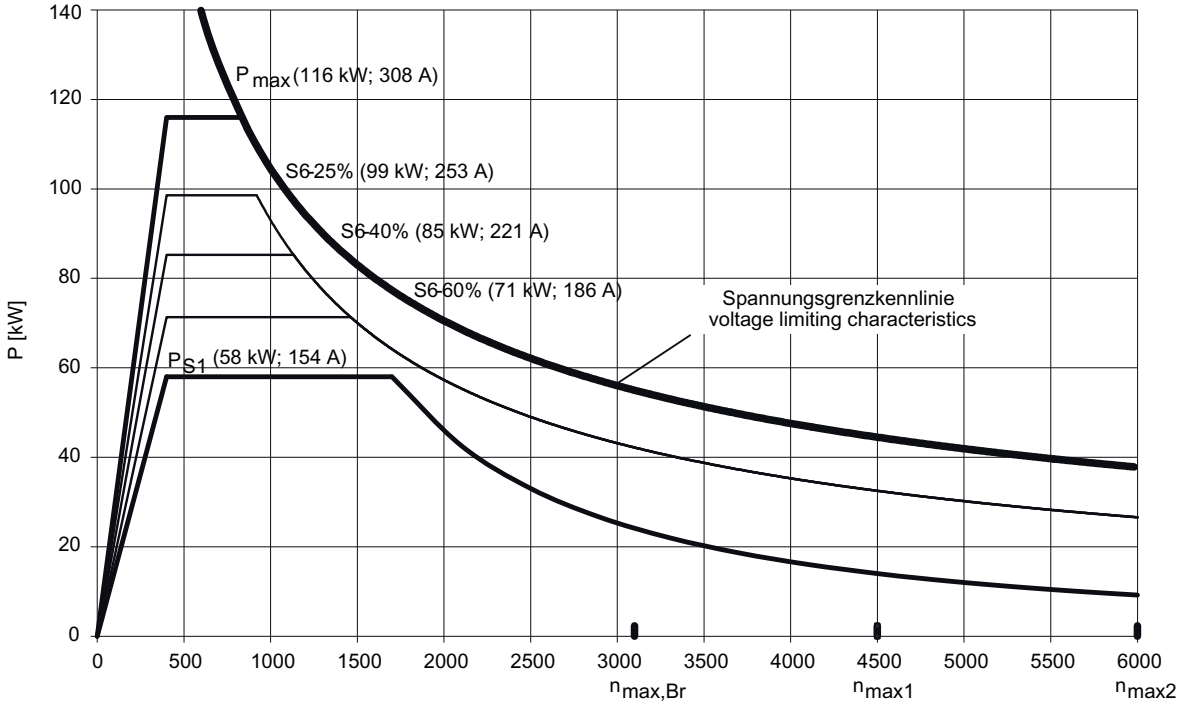


Table 2-400 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	58	1,385	154	4,500	6,000	-	3,100	1,700	2,769	308	1,385	154



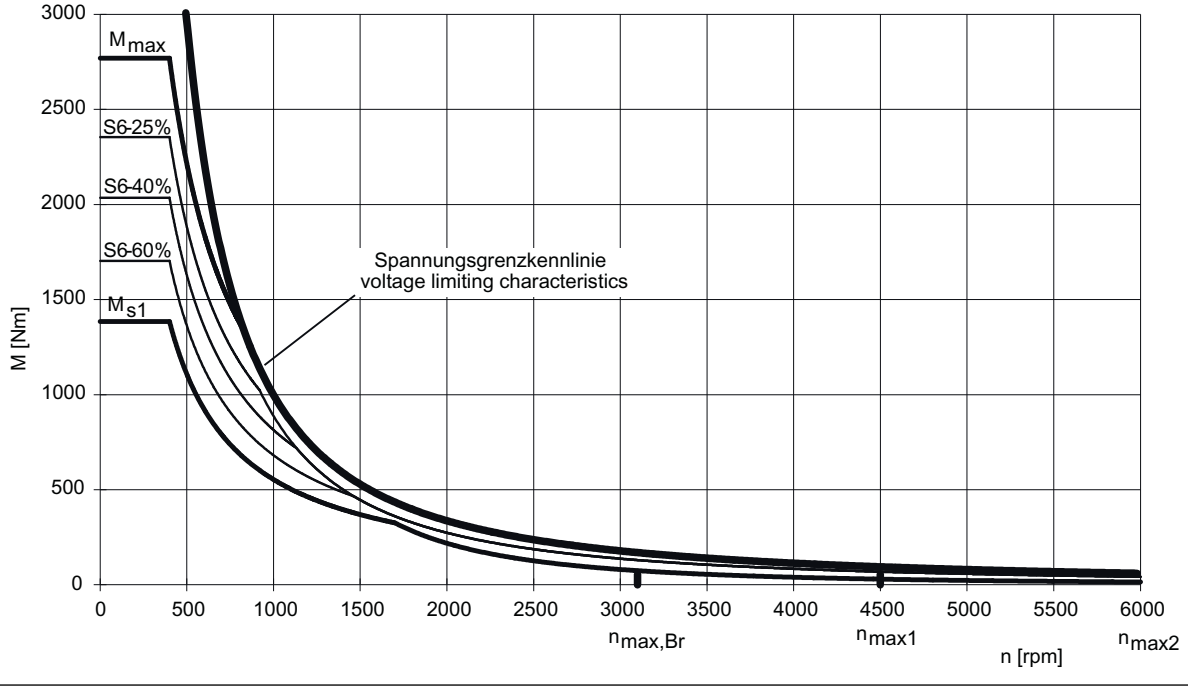
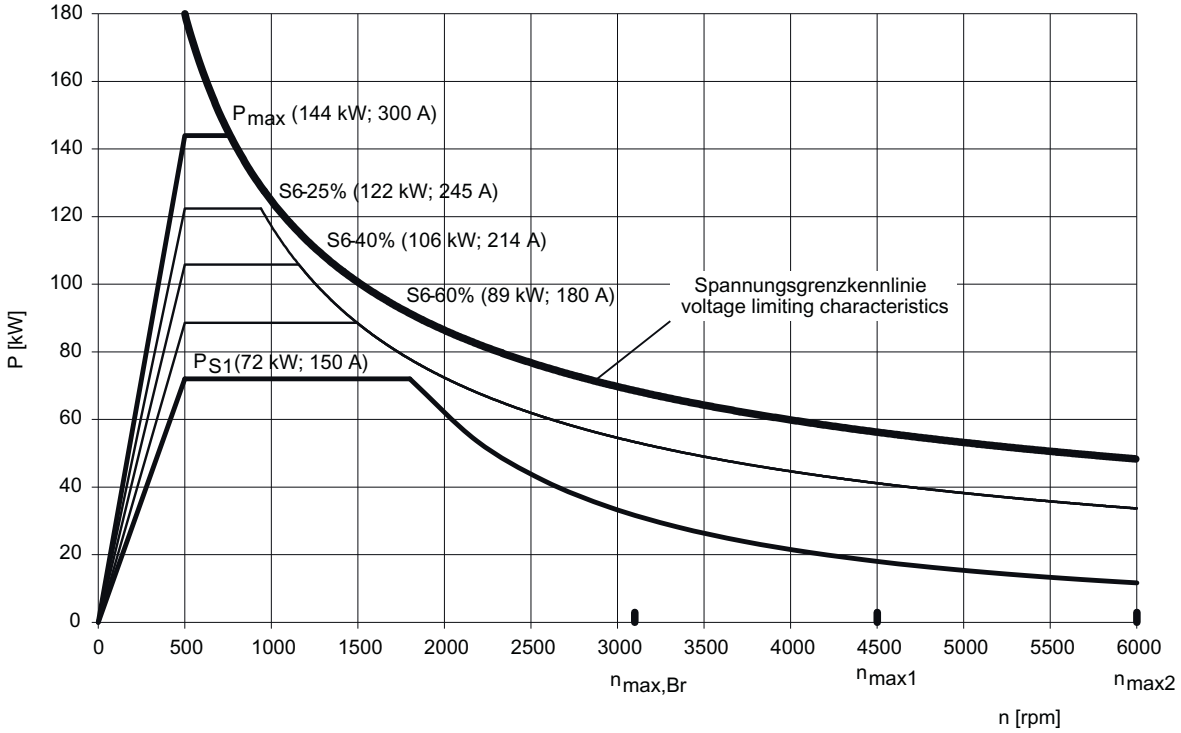


Table 2-401 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8228-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	72	1,375	150	4,500	6,000	-	3,100	1,800	2,750	300	1,375	150
400	58	1,375	150					2,100				



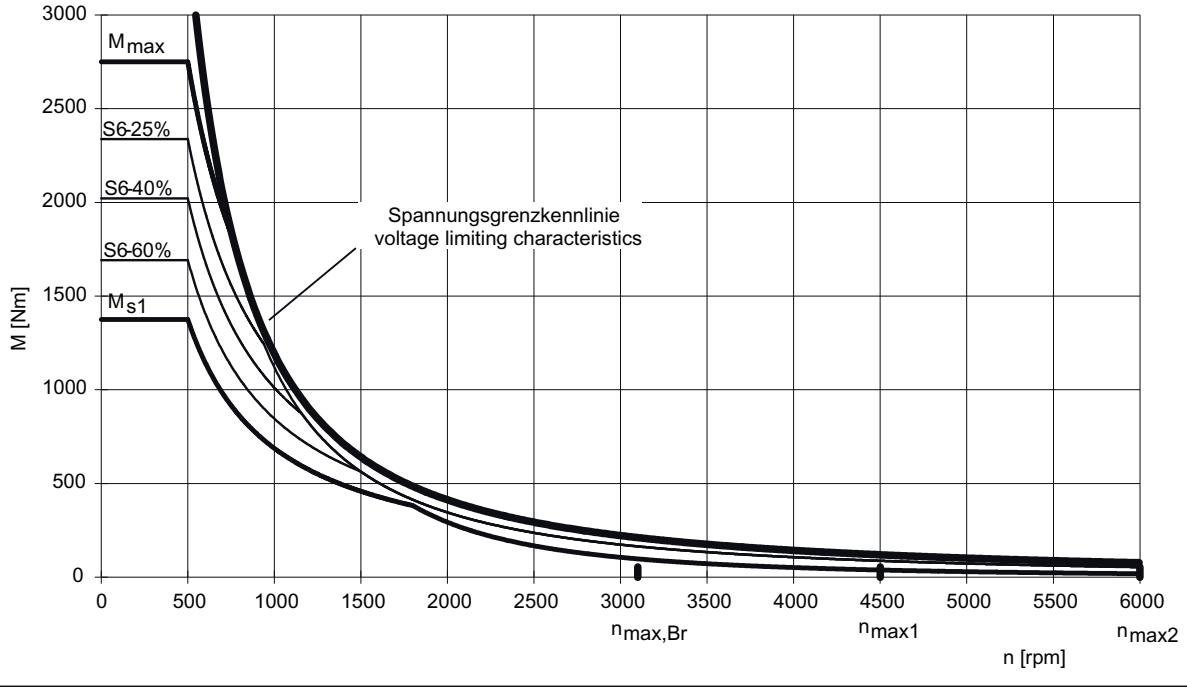


Table 2-402 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8228-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	85	1,353	148	4,500	6,000	-	3,100	2,100	2,706	296	1,353	148

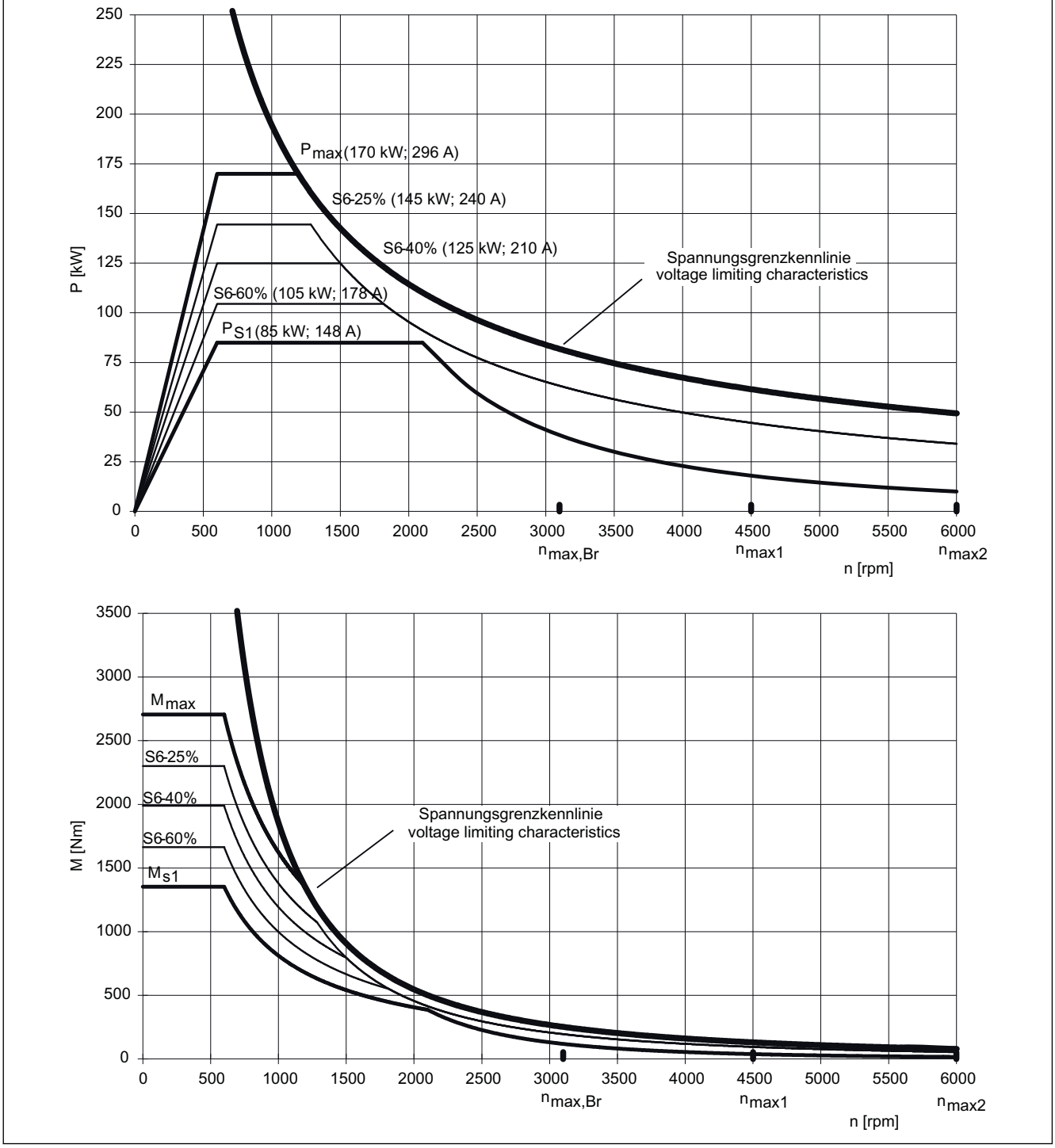


Table 2-403 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	96	1,310	210	4,500	6,000	-	3,100	2,500	2,619	420	1,310	210

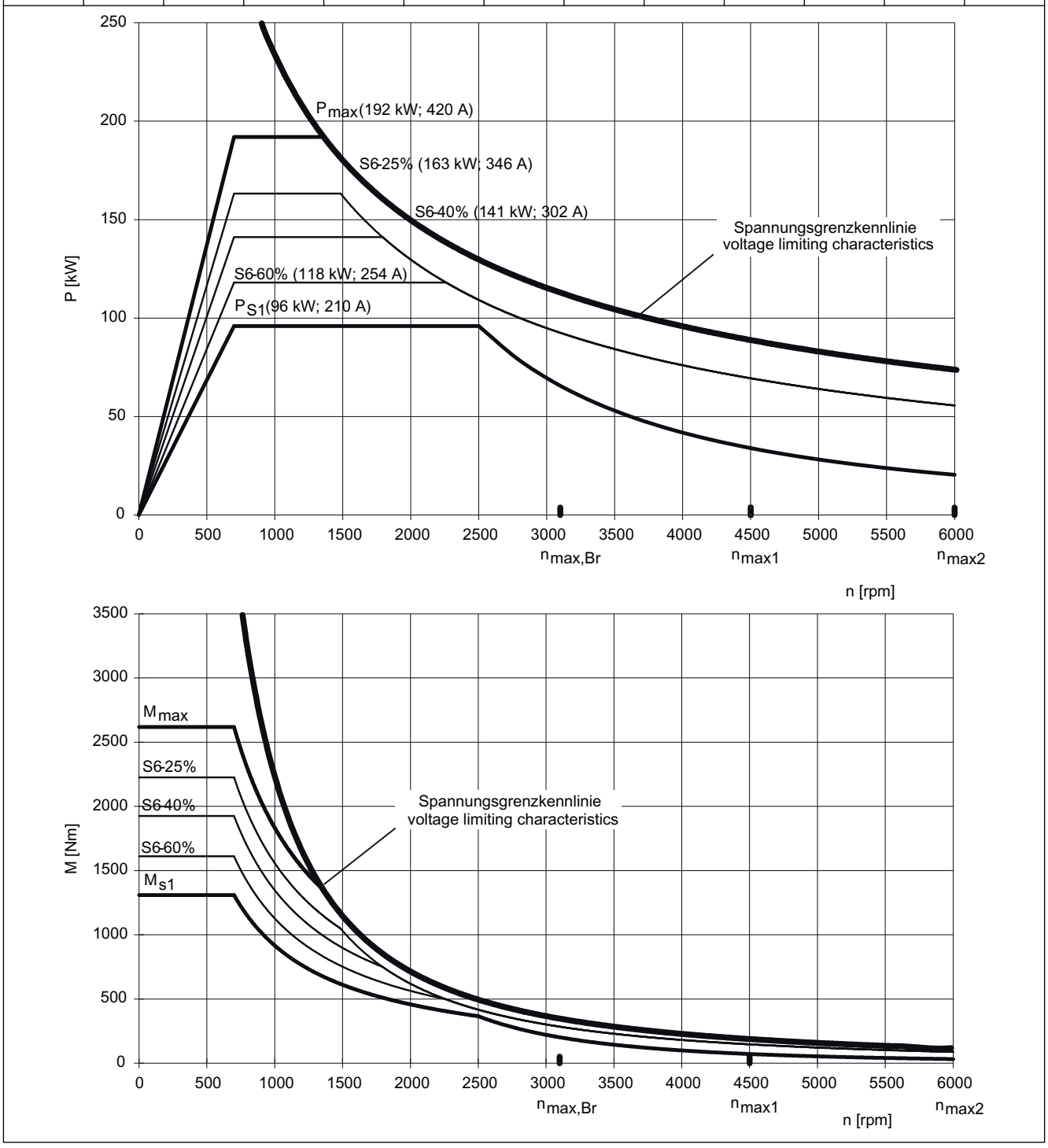
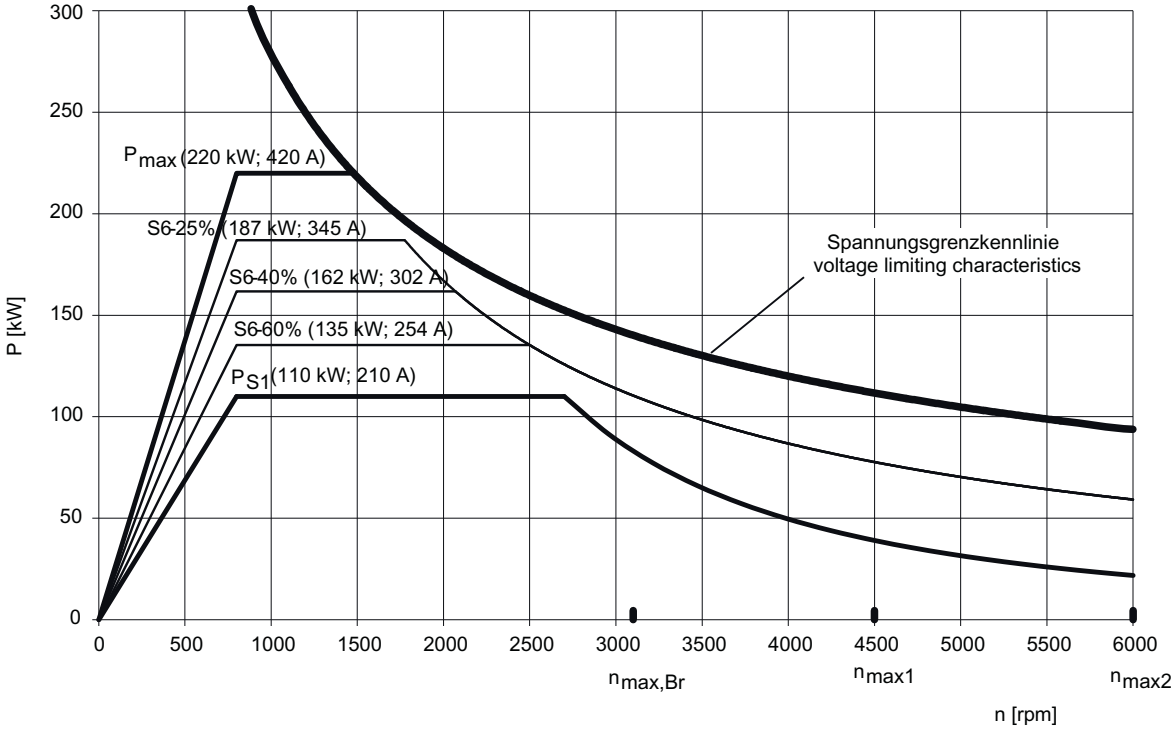


Table 2-404 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8228-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	110	1,313	210	4,500	6,000	-	3,100	2,700	2,626	420	1,313	210
700	96	1,313	210					2,900				



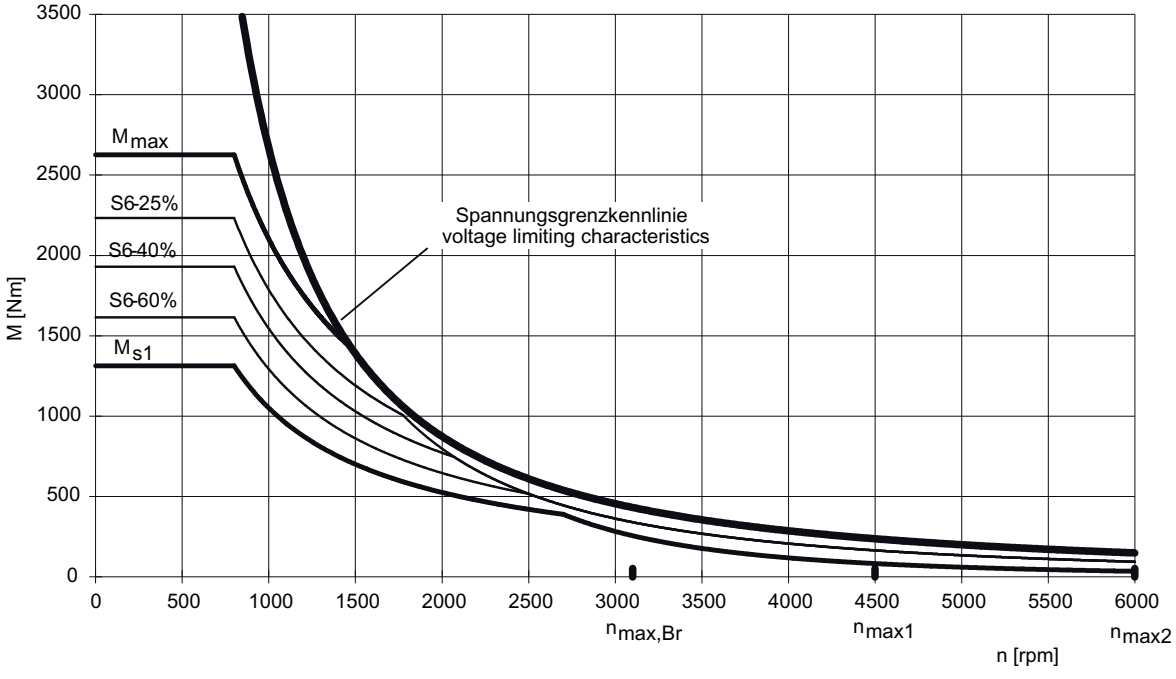


Table 2-405 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8228-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	138	1,318	210	4,500	6,000	-	3,100	2,900	2,636	420	1,318	210

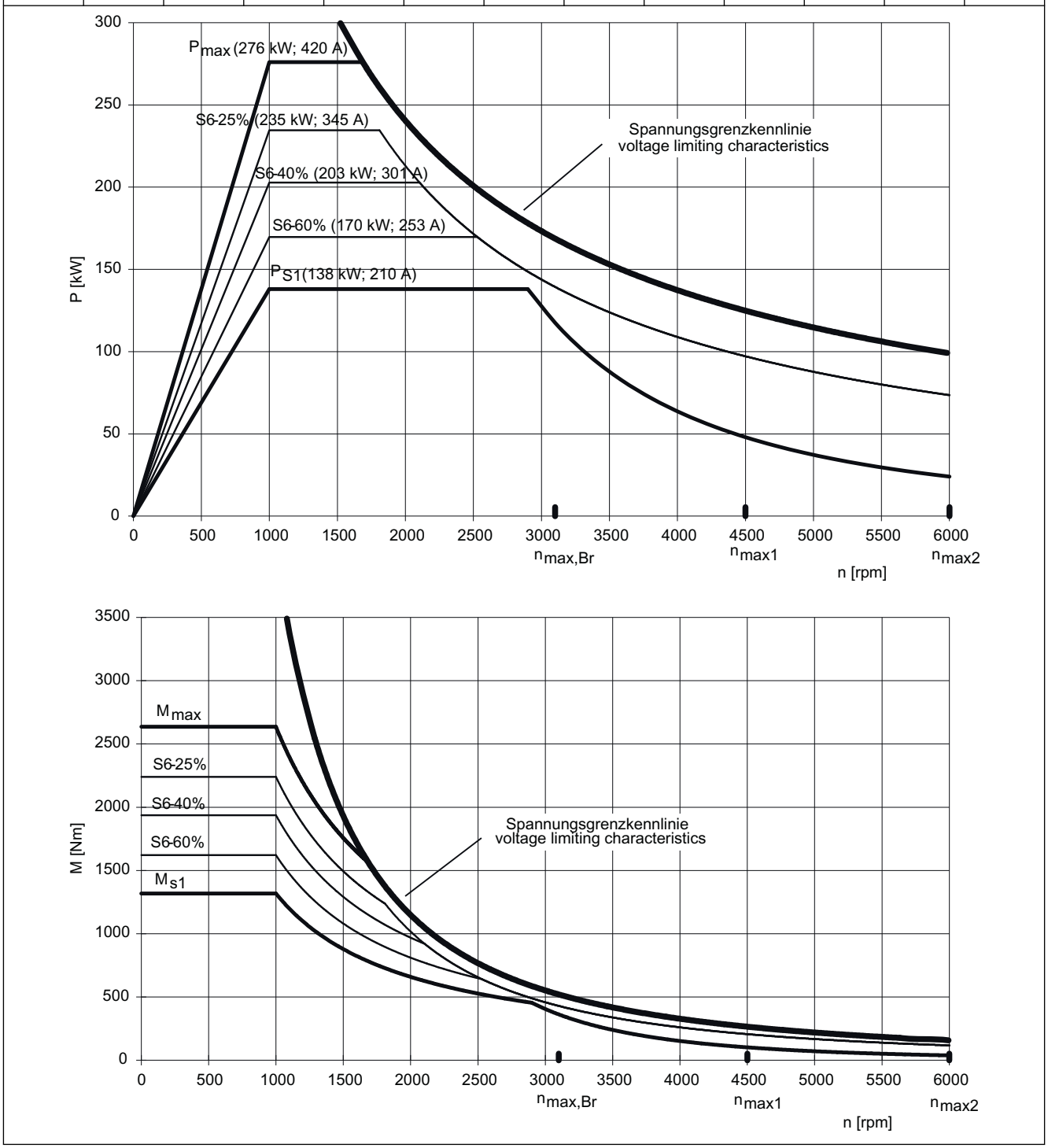


Table 2-406 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	141	1,346	280	4,500	6,000	-	3,100	2,300	2,693	560	1,346	280

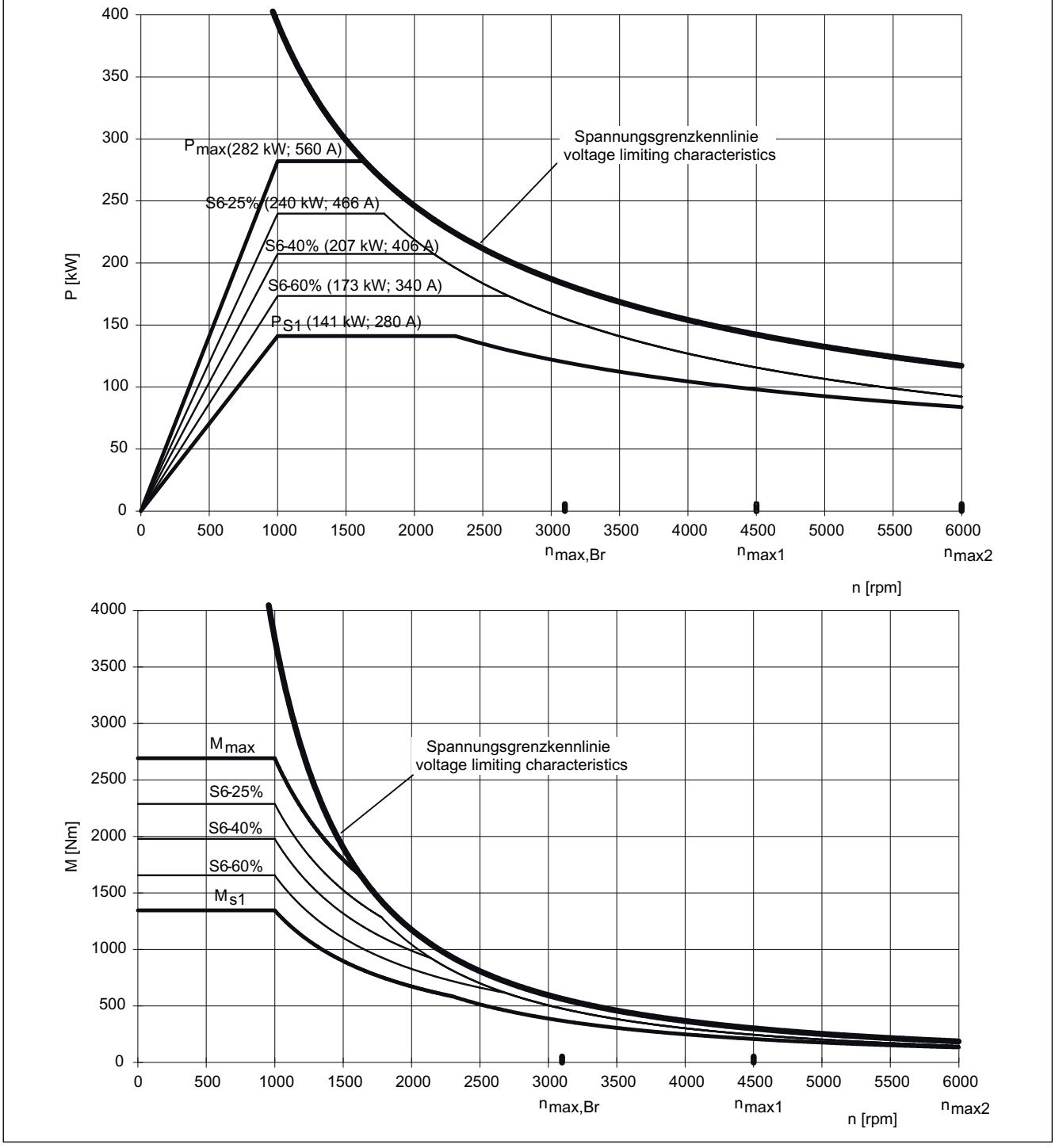


Table 2-407 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8228-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	161	1,337	280	4,500	6,000	-	3,100	2,500	2,674	560	1,337	280
1,000	140	1,337	280					3,200				

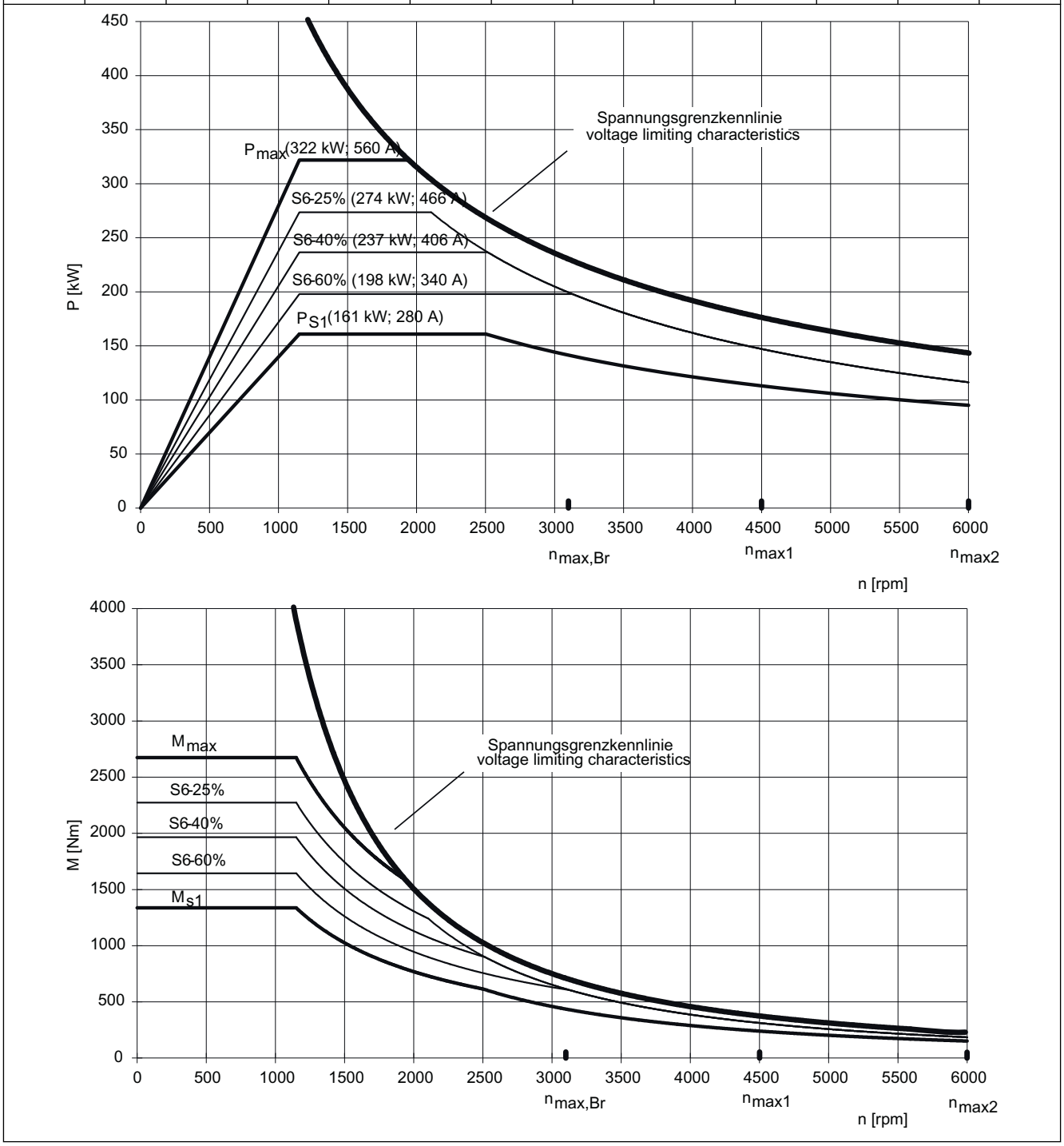
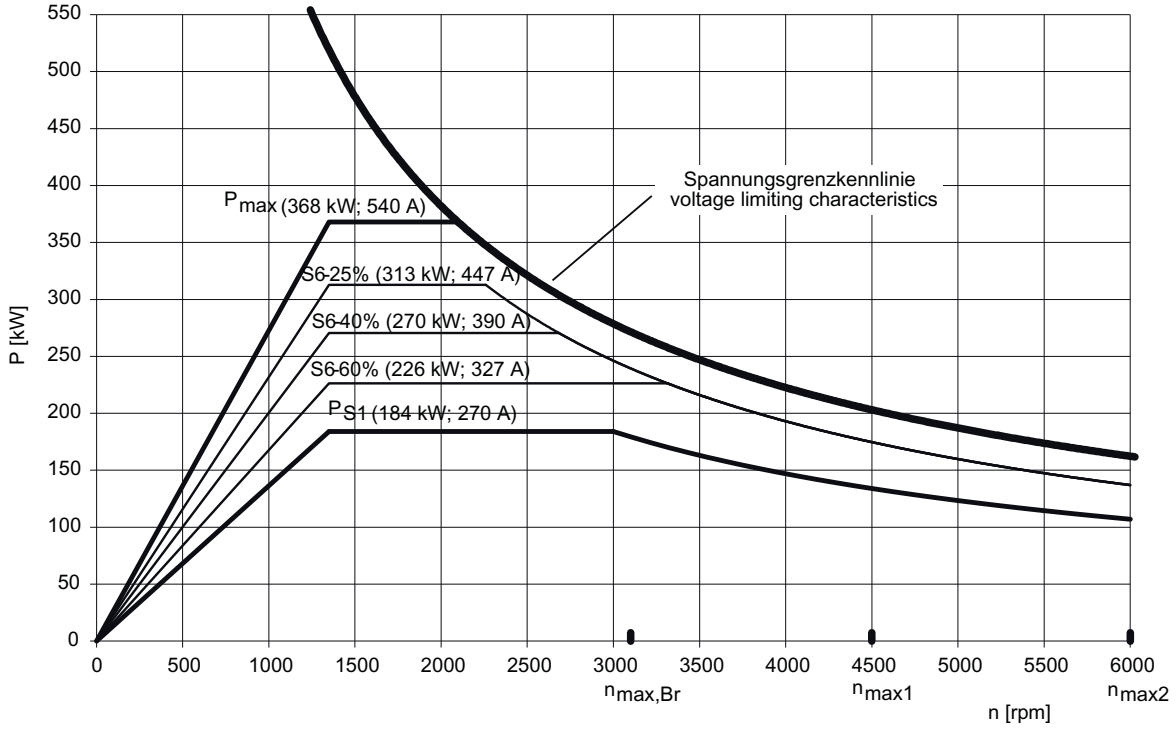


Table 2-408 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8228-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	184	1,302	270	4,500	6,000	-	3,100	3,000	2,603	540	1,302	270



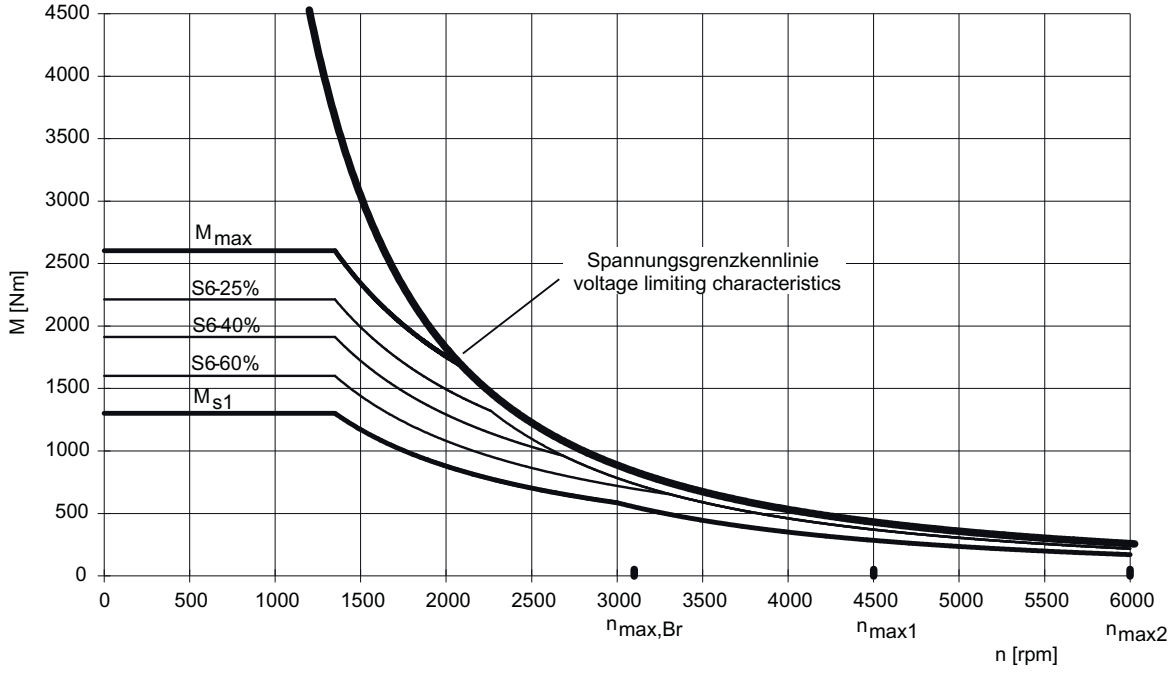
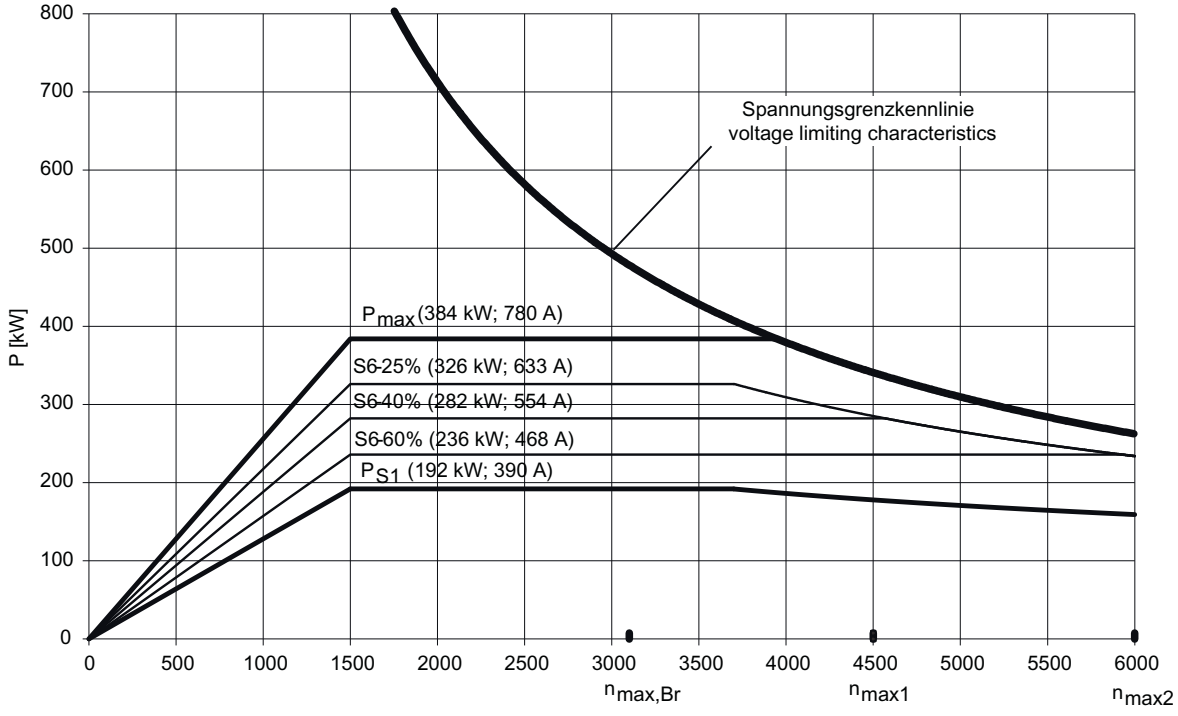


Table 2-409 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	192	1,222	390	4,500	6,000	-	3,100	3,700	2,445	780	1,222	390



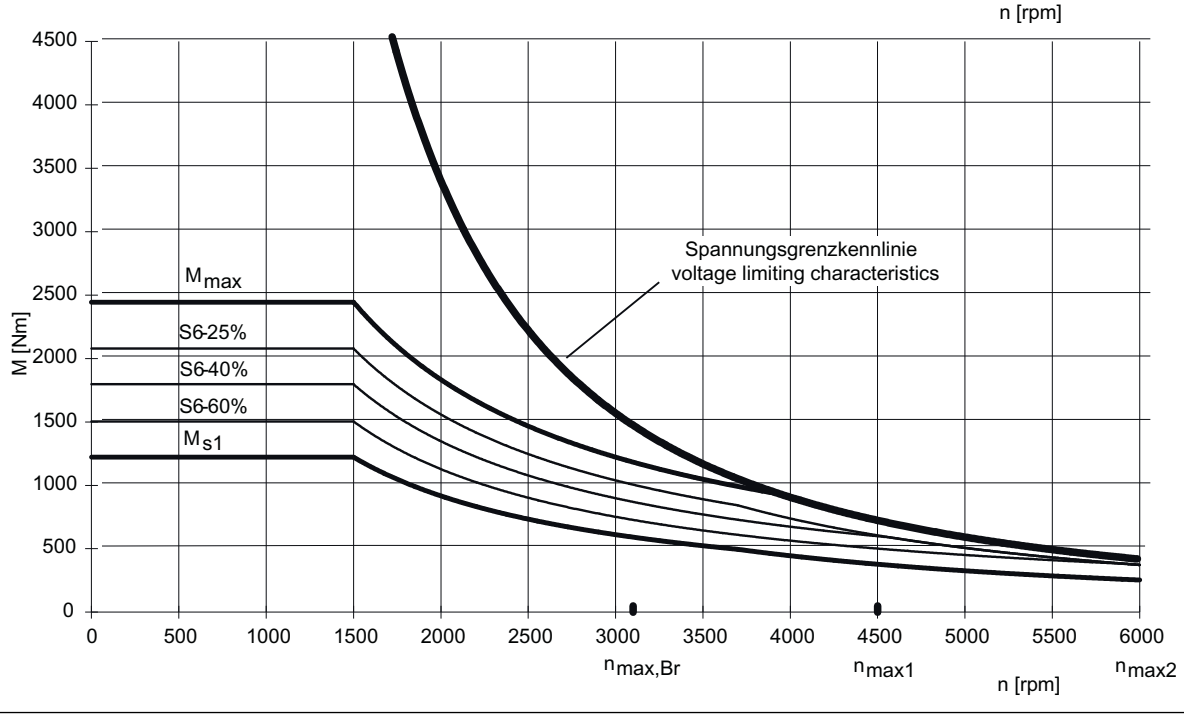
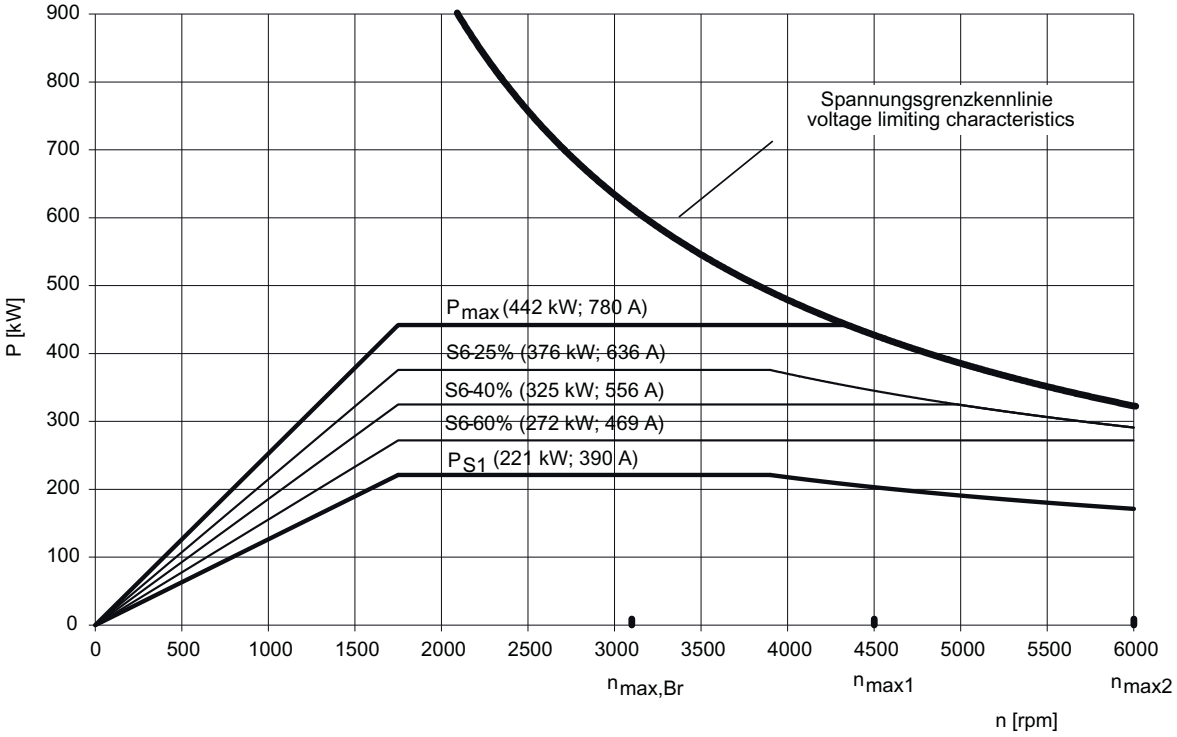


Table 2-410 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8228-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	221	1,206	390	4,500	6,000	-	3,100	3,900	2,412	780	1,206	390
1,500	189	1,206	390					5,100				



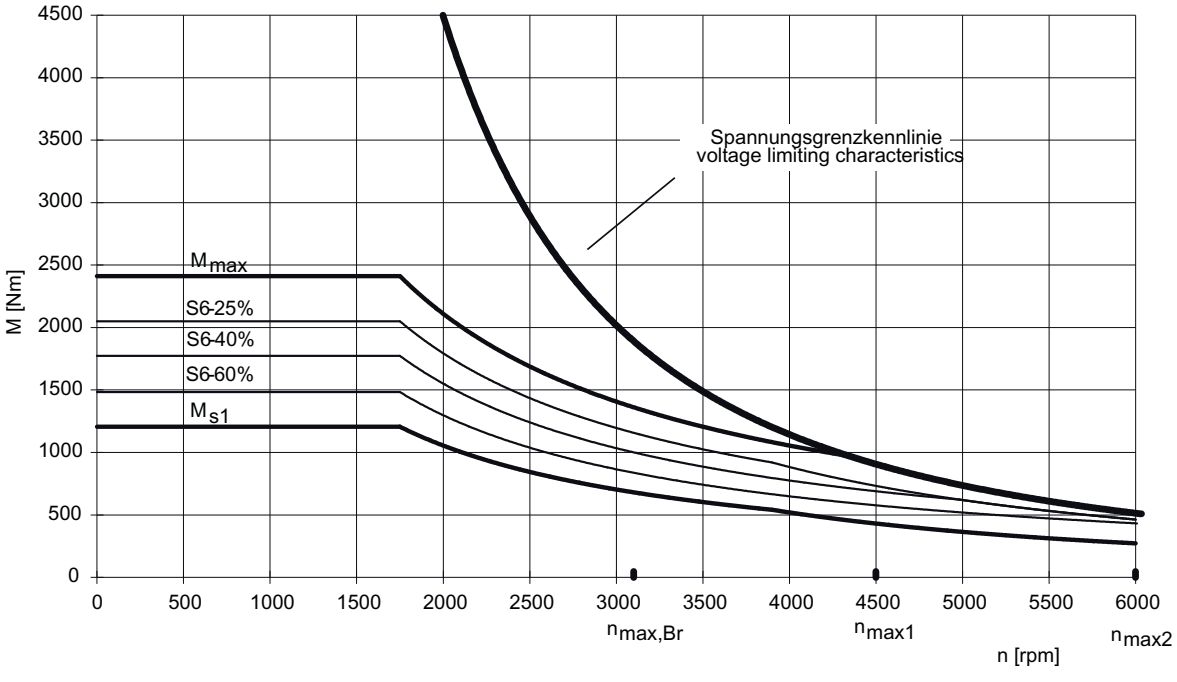


Table 2-411 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8228-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	245	1,170	380	4,500	6,000	-	3,100	4,100	2,340	760	1,170	380

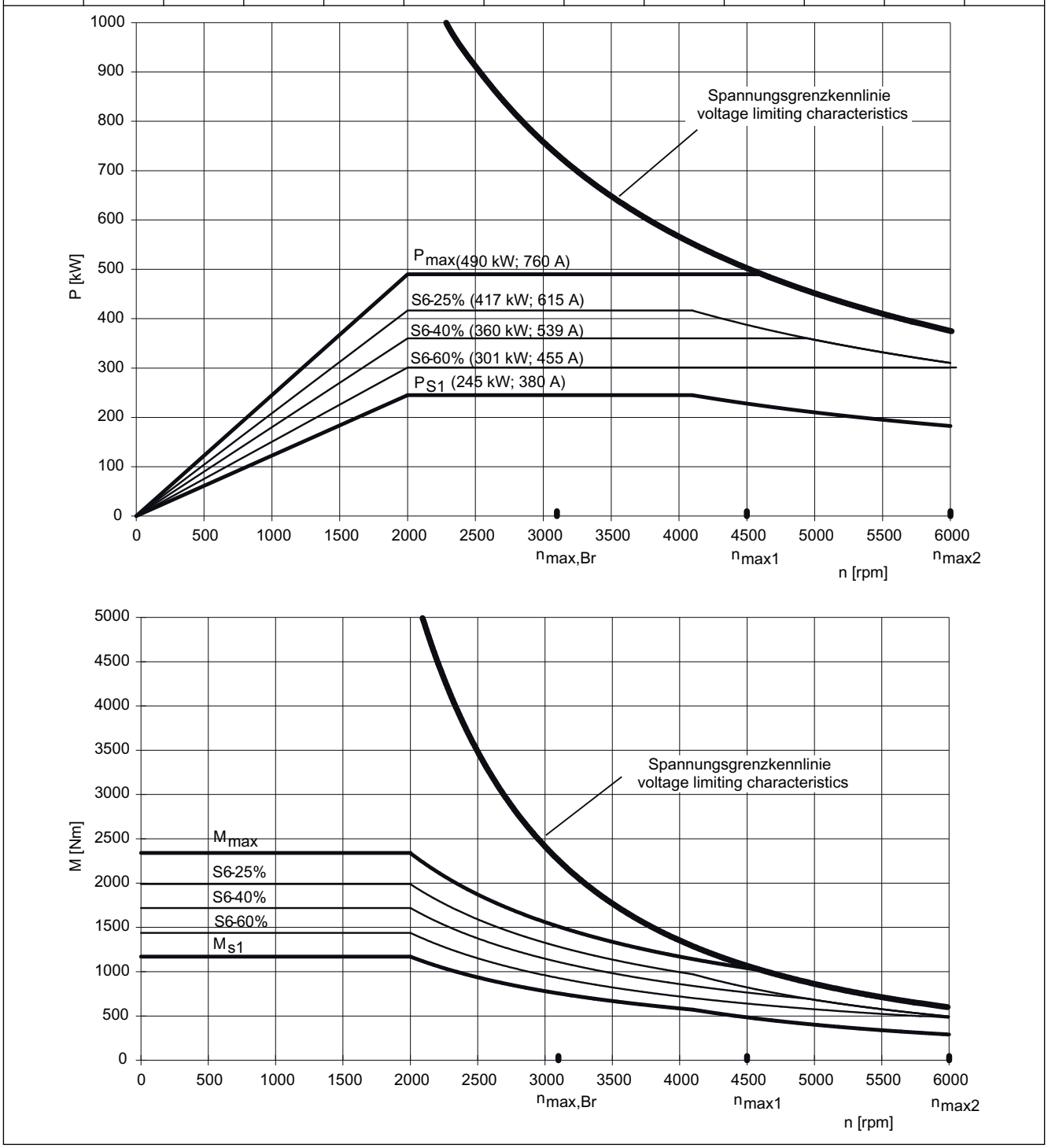


Table 2-412 SINAMICS, 3-ph. 400 VAC, Smart/Basic Line Module, (SLM/BLM), 1PH8228-□□L2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,500	226	863	455	4,500	6,000	-	3,100	3,200	1,727	910	863	455

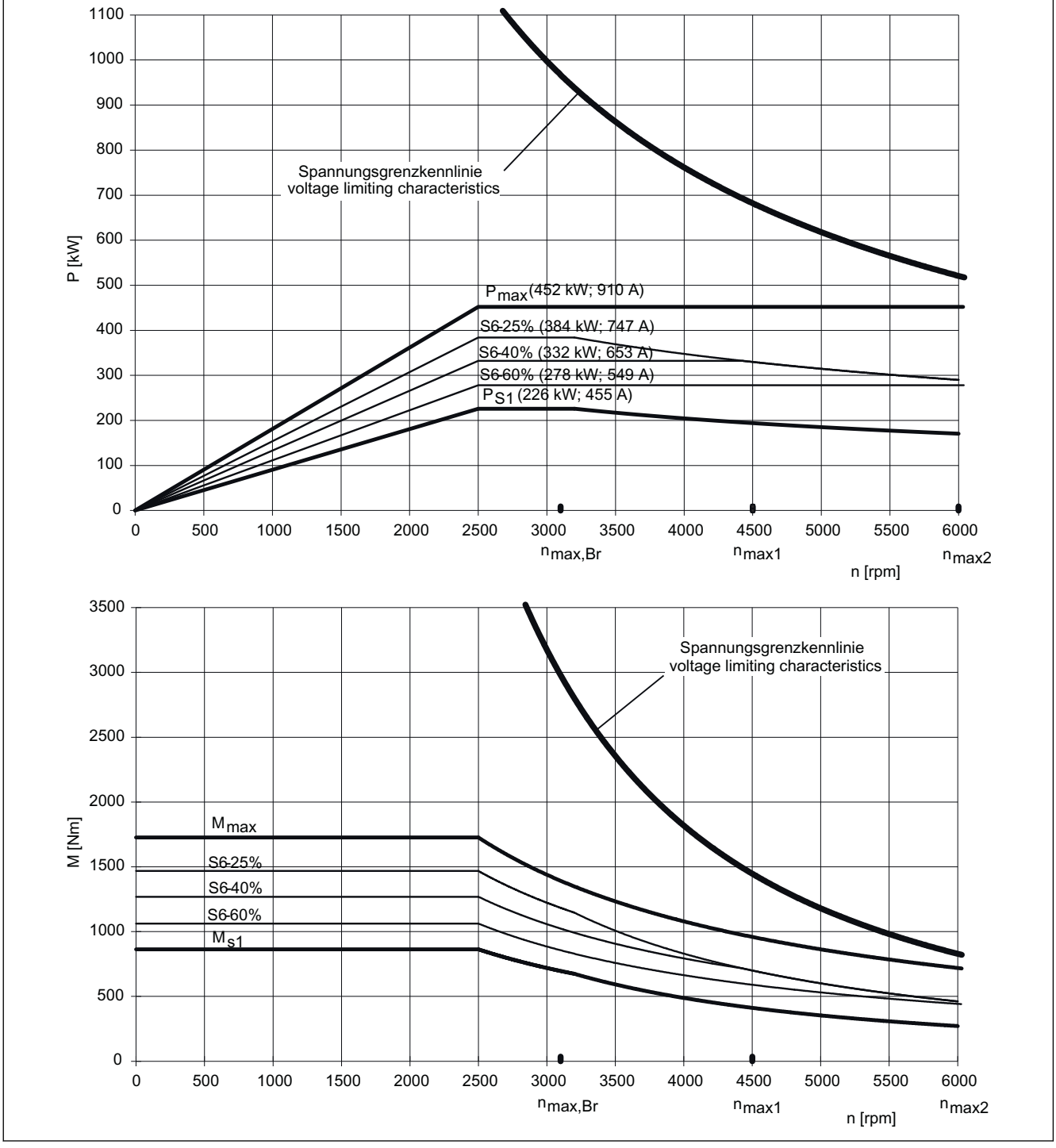


Table 2-413 SINAMICS, 3-ph. 400 VAC, Active Line Module, (ALM), 1PH8228-□□L2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,900	237	780	415	4,500	6,000	-	3,100	3,600	1,561	830	780	415
2,500	204	780	415					4,500				

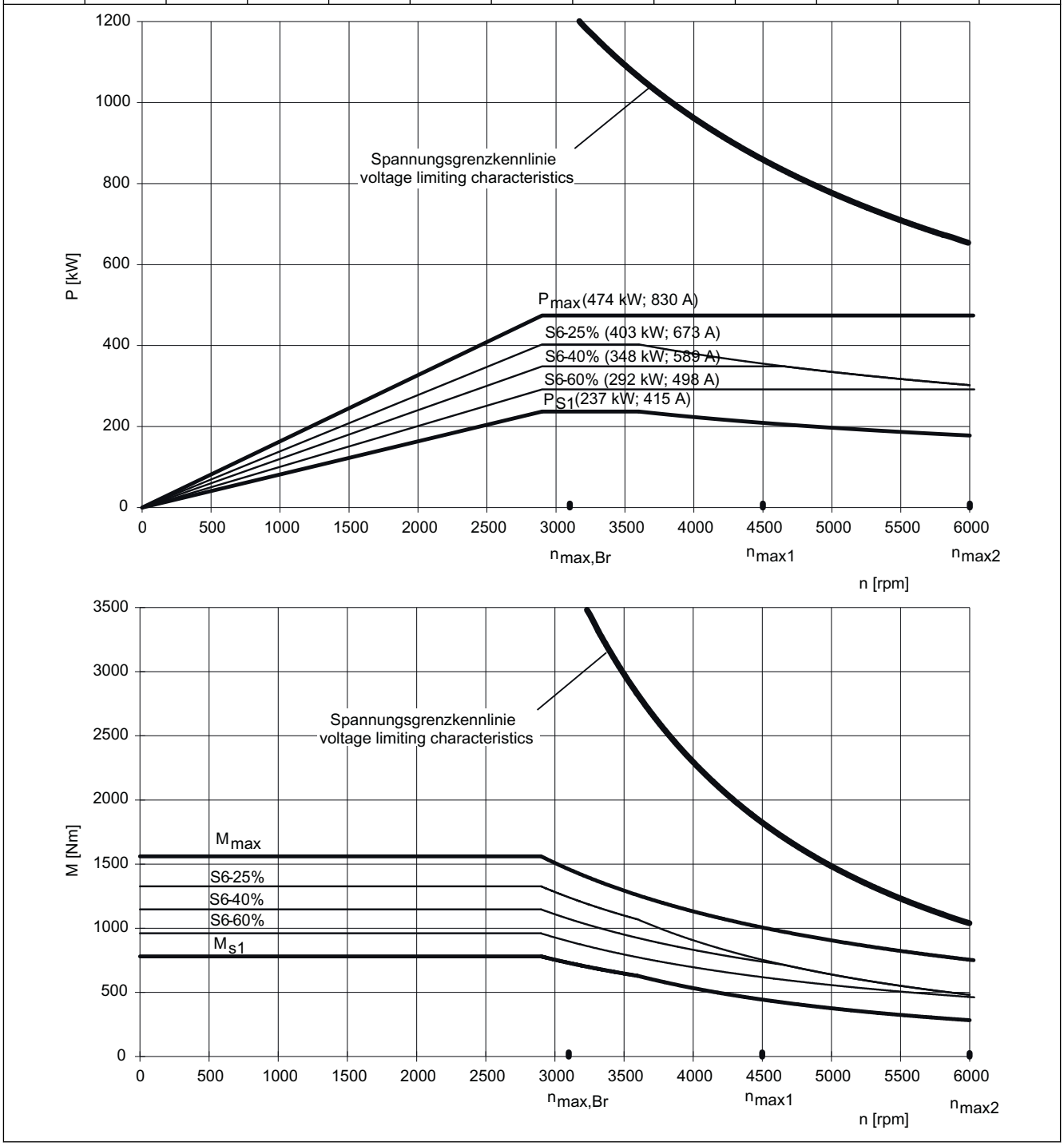
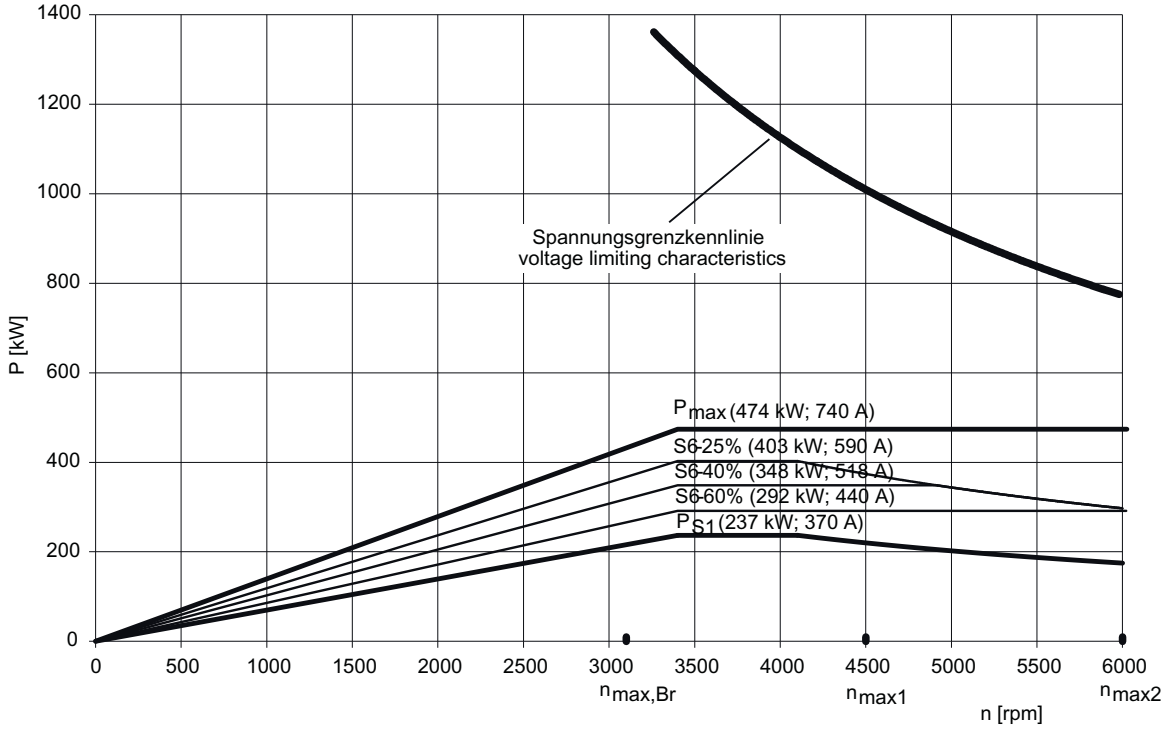
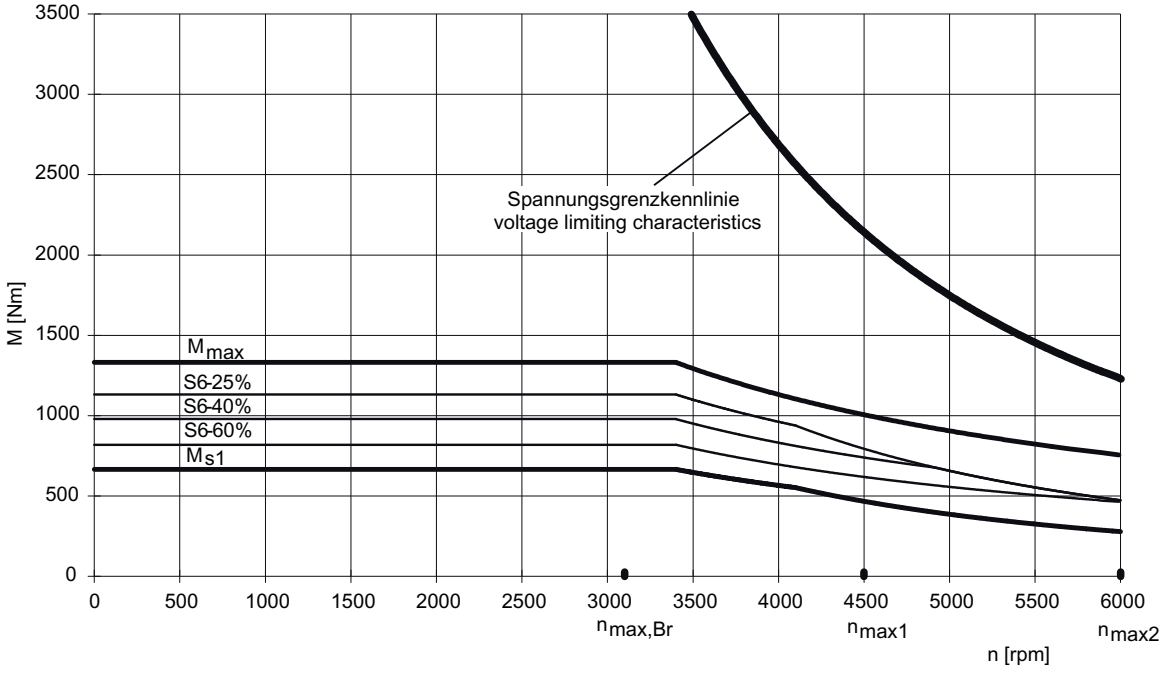


Table 2-414 SINAMICS, 3-ph. 480 VAC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8228-□□L2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
3,400	237	666	370	4,500	6,000	-	3,100	4,100	1,331	740	666	370

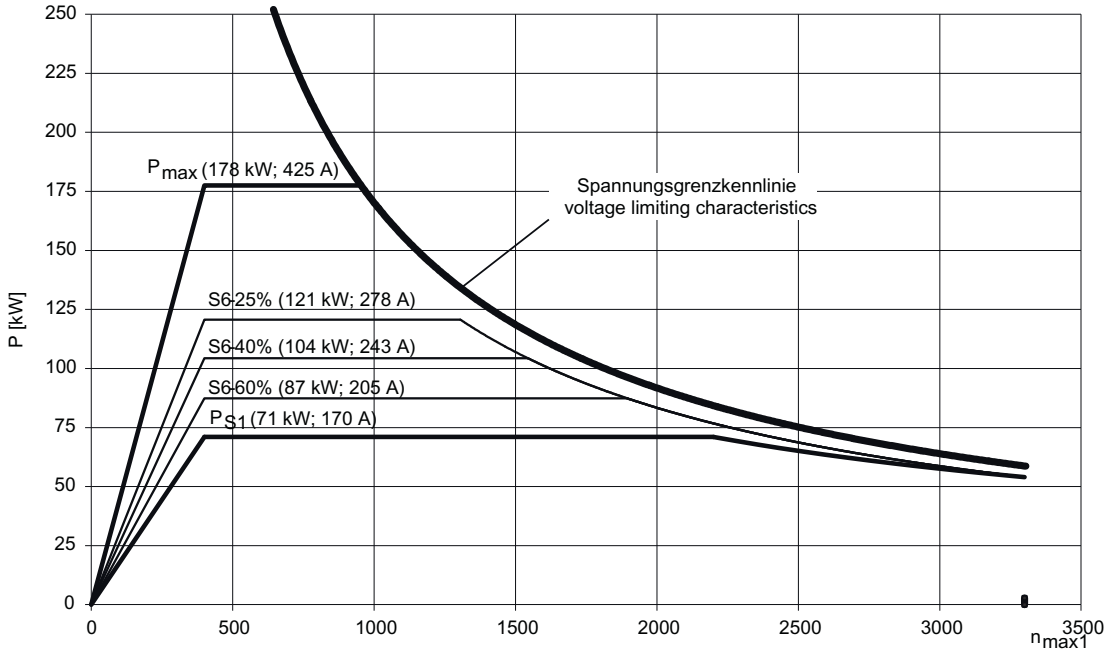




2.3.8 Shaft height 280 - water-cooled

Table 2-415 SINAMICS, 3-ph. 400 V AC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	71	1,695	170	3,300	-	-	-	2,200	4,238	425	1,695	170



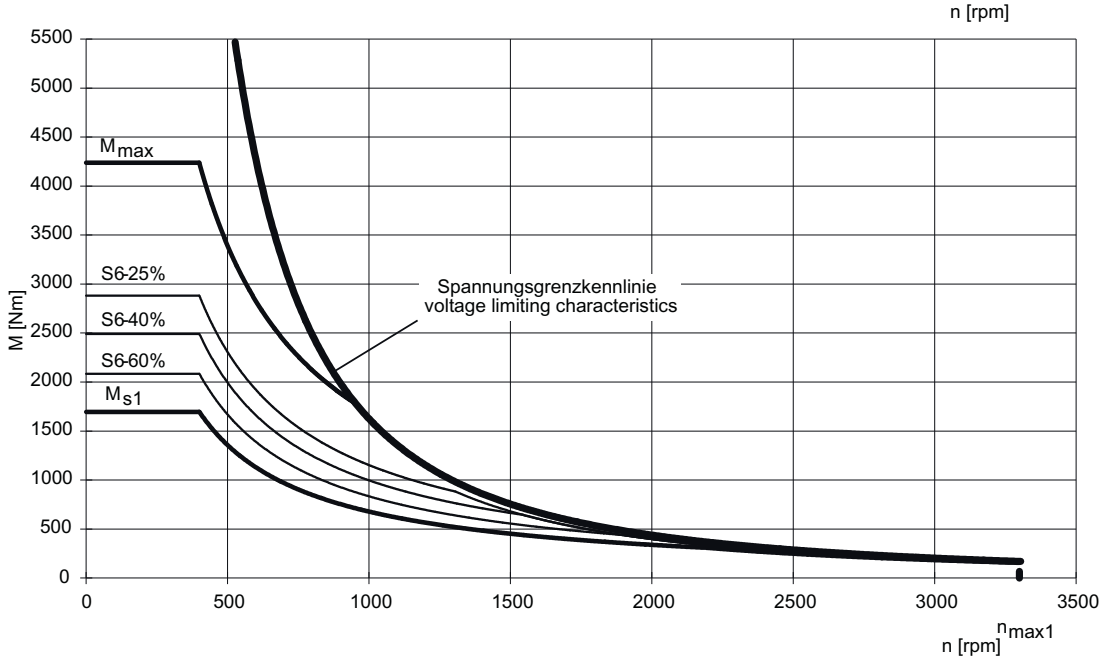
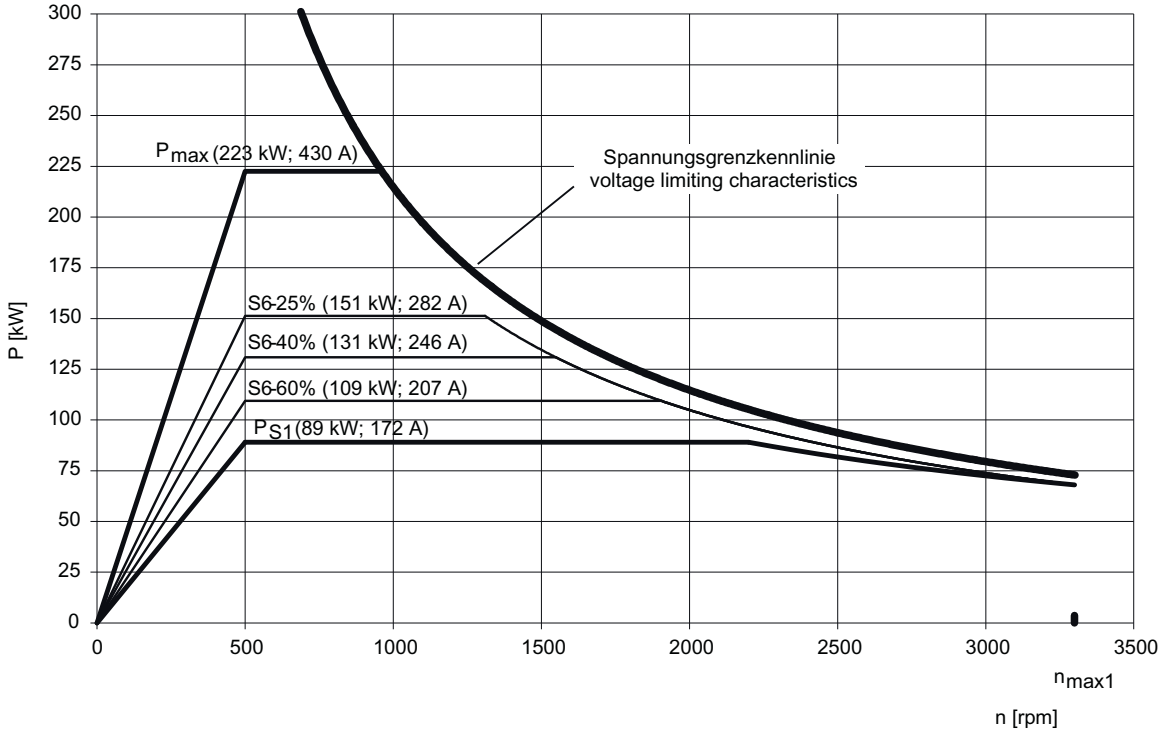


Table 2-416 SINAMICS, 3-ph. 400 V AC, Active Line Module, (ALM), 1PH8284-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	89	1,700	172	3,300	-	-	-	2,200	4,250	430	1,700	172
400	71	1,700	172					3,100				



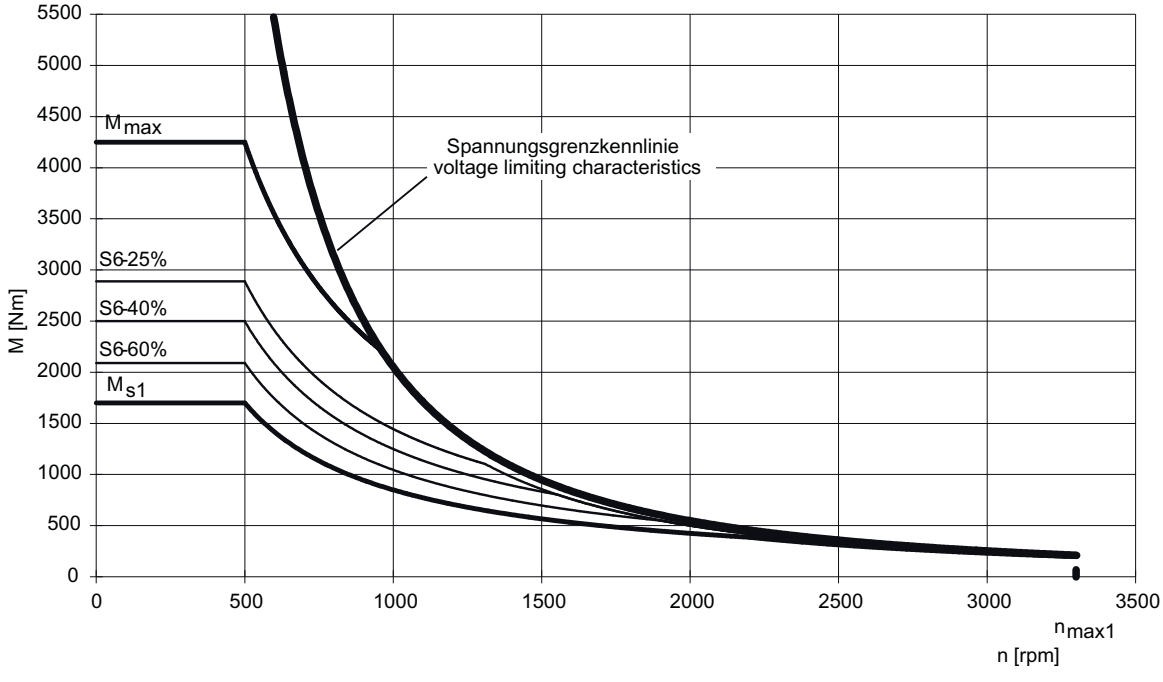
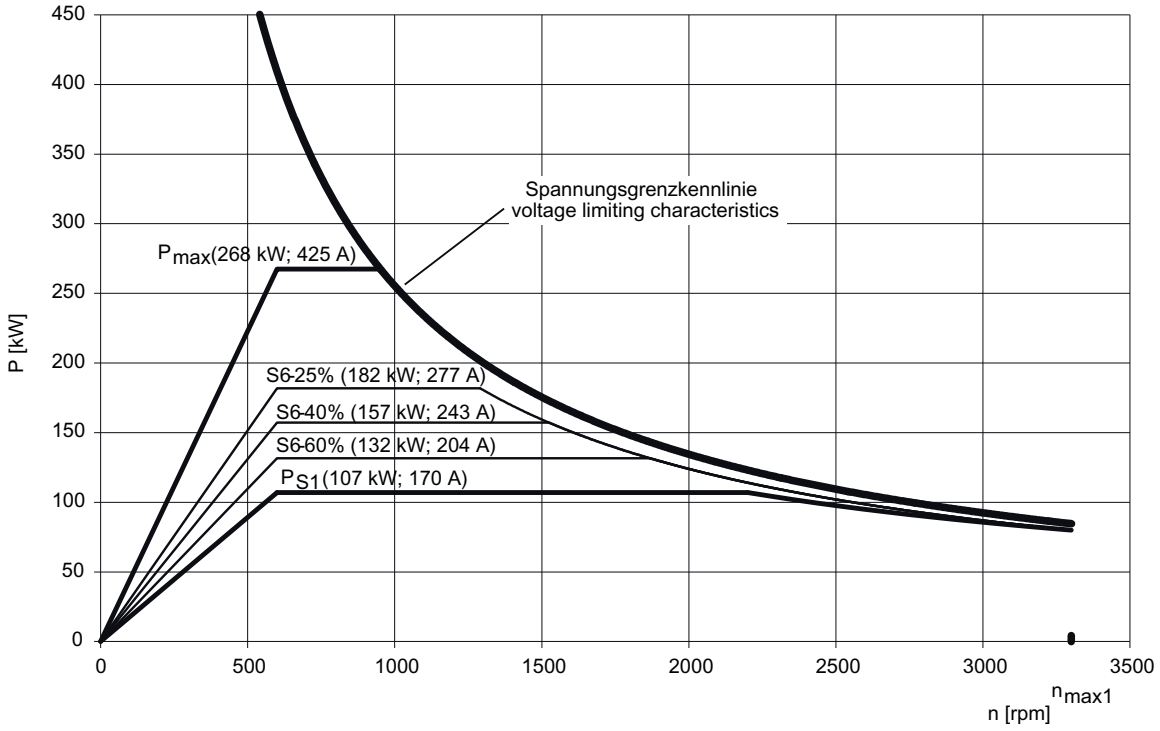


Table 2-417 SINAMICS, 3-ph. 480 V AC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8284-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	107	1,703	170	3,300	-	-	-	2,200	4,258	425	1,703	170



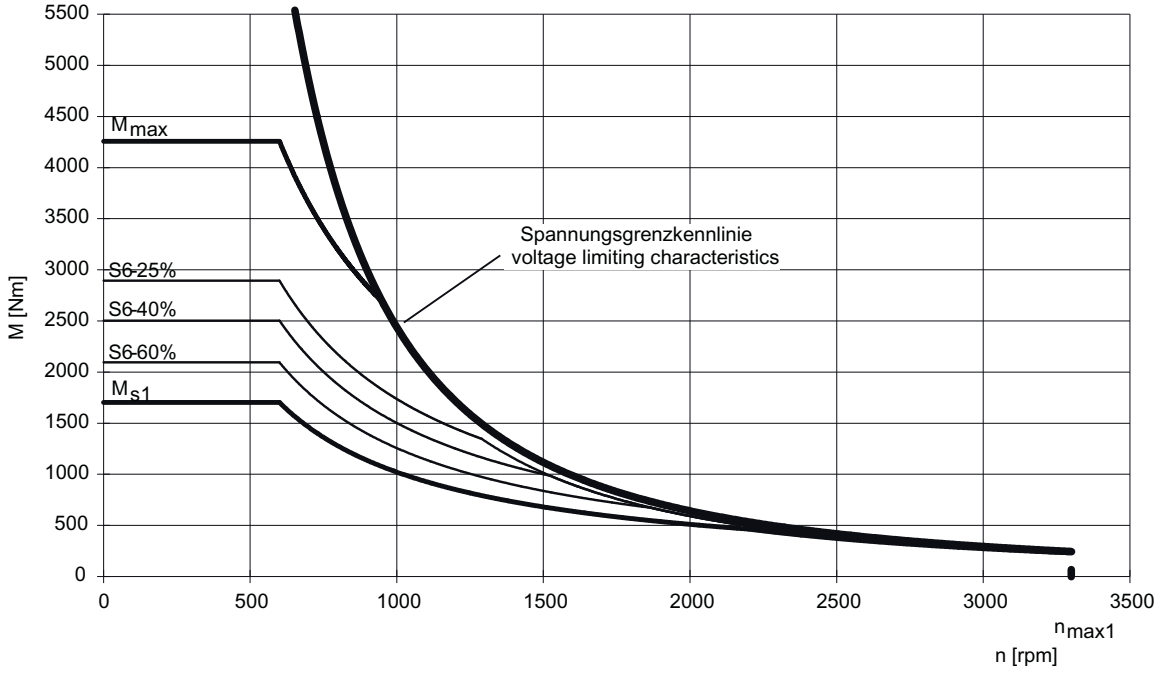
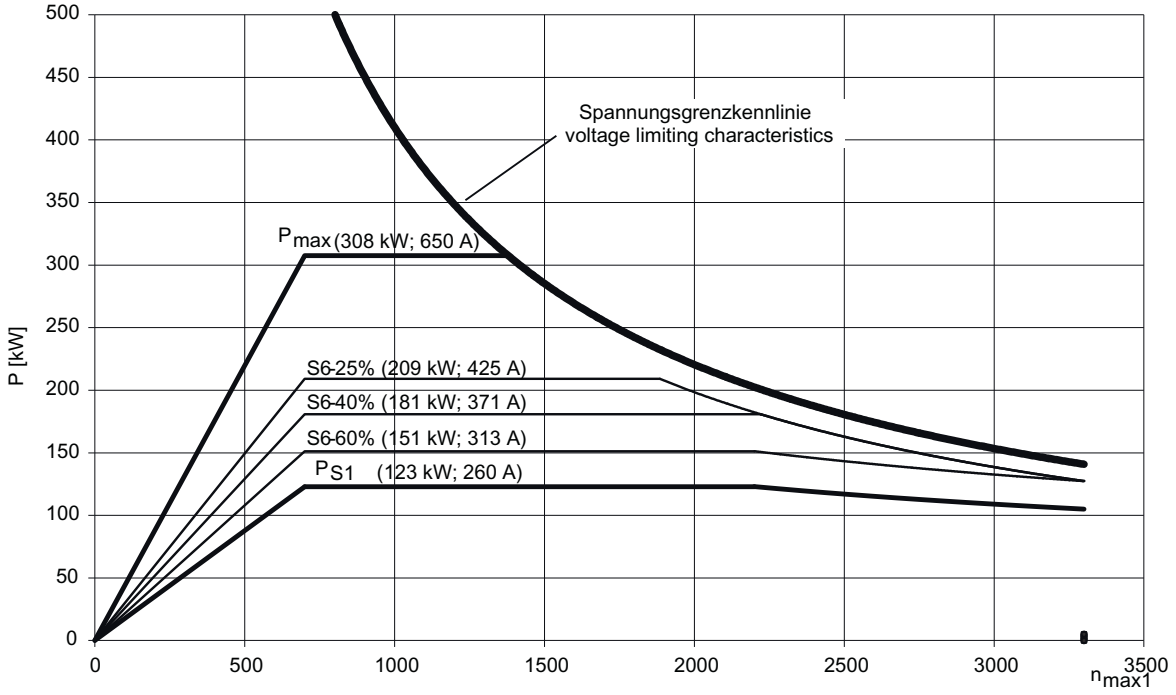


Table 2-418 SINAMICS, 3-ph. 400 V AC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	123	1,678	260	3,300	-	-	-	2,200	4,195	650	1,678	260



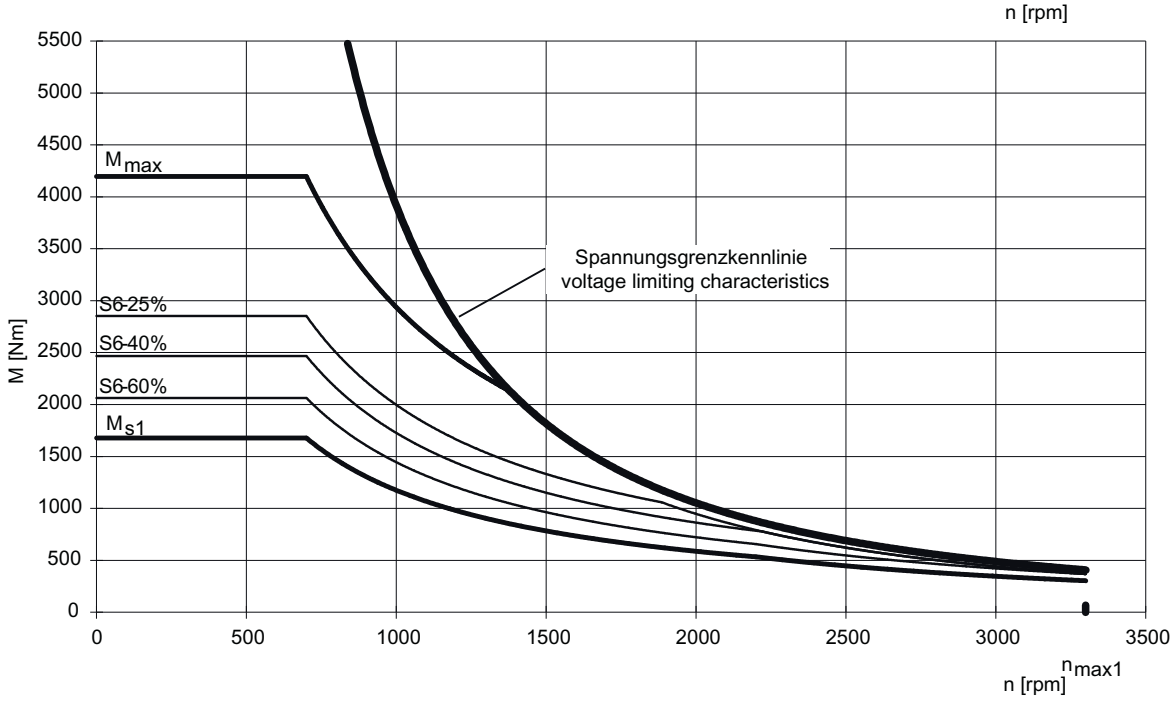
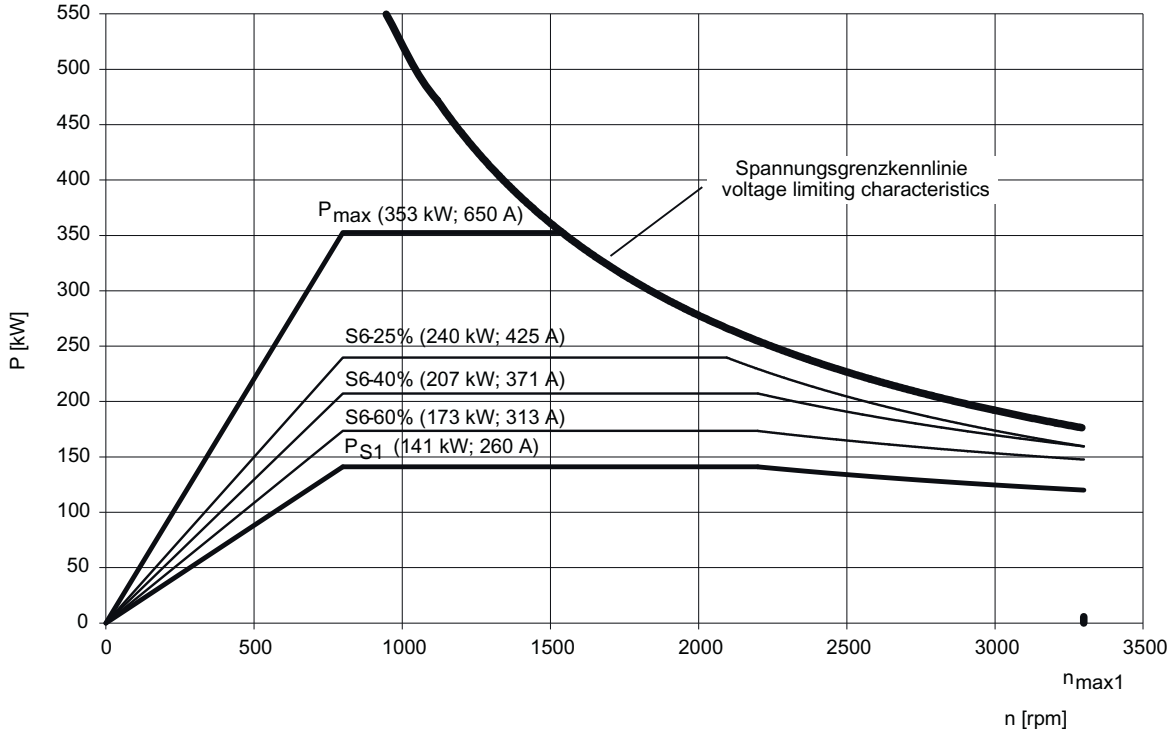


Table 2-419 SINAMICS, 3-ph. 400 V AC, Active Line Module, (ALM), 1PH8284-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	141	1,683	260	3,300	-	-	-	2,200	4,208	650	1,683	260
700	123	1,683	260					3,100				



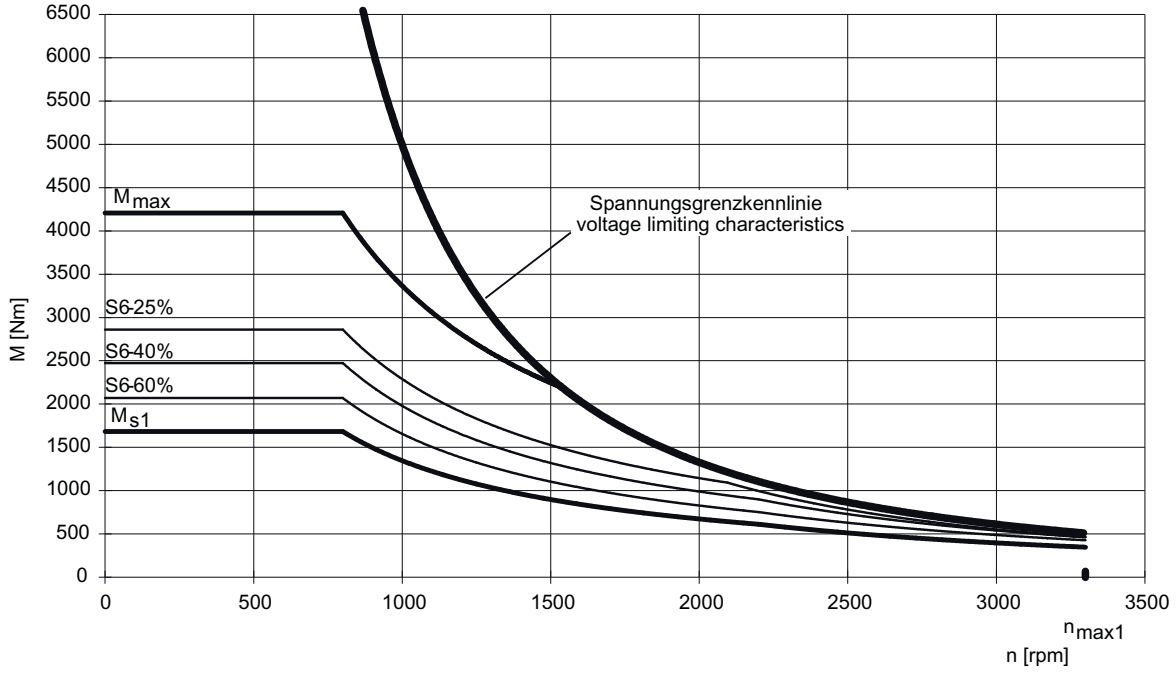
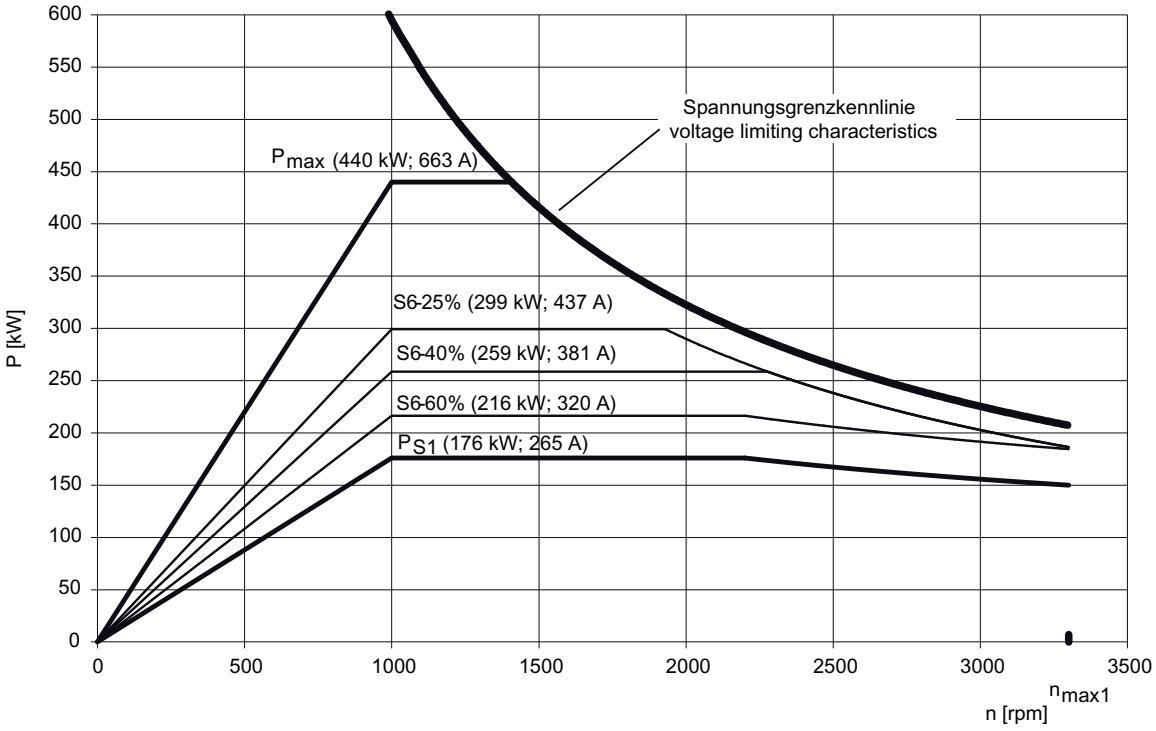


Table 2-420 SINAMICS, 3-ph. 480 V AC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8284-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	176	1,681	265	3,300	-	-	-	2,200	4,202	663	1,681	265



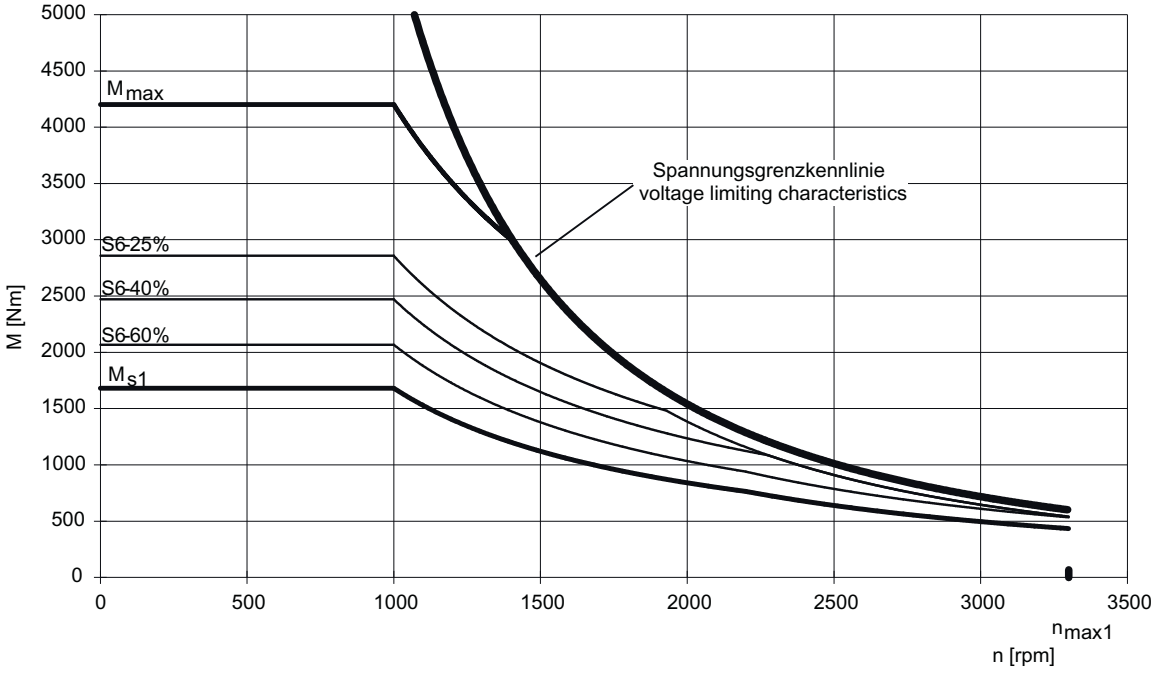
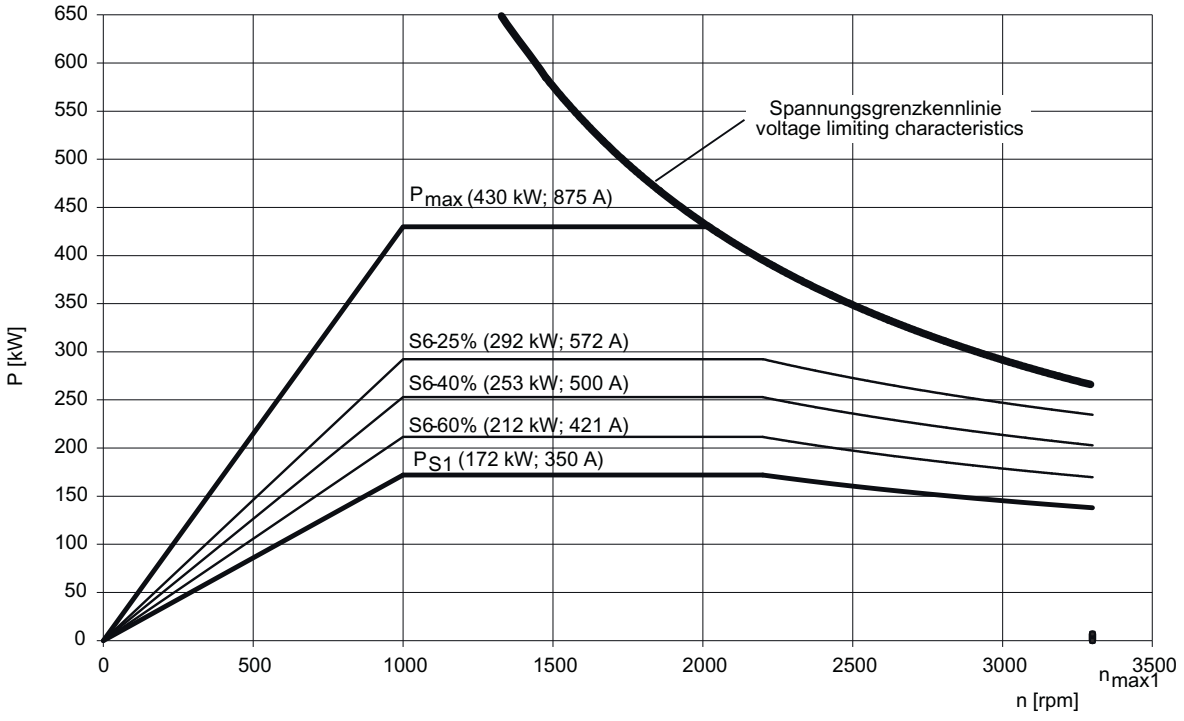


Table 2-421 SINAMICS, 3-ph. 400 V AC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	172	1,643	350	3,300	-	-	-	2,200	4,107	875	1,643	350



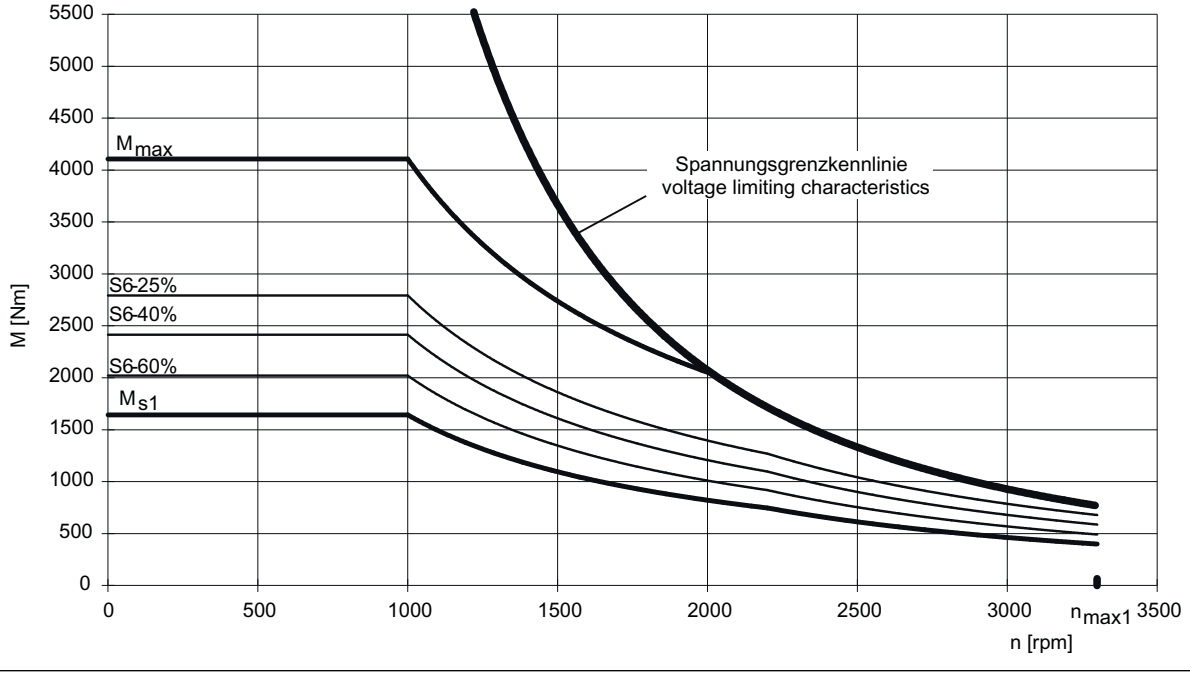
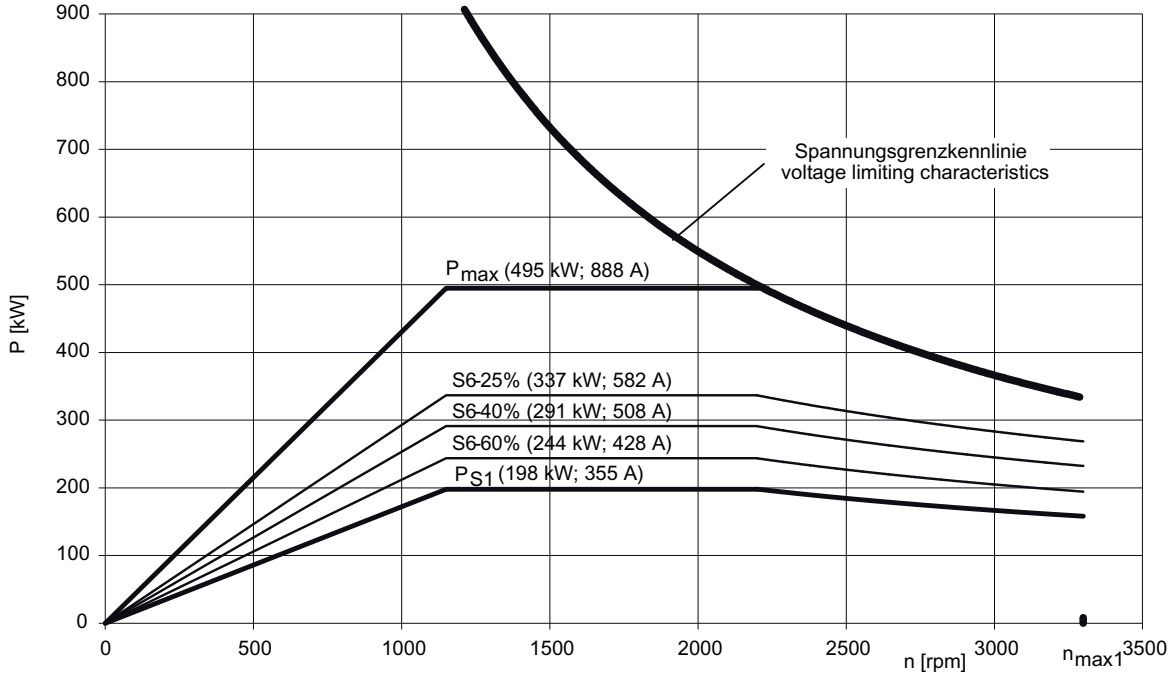


Table 2-422 SINAMICS, 3-ph. 400 V AC, Active Line Module, (ALM), 1PH8284-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	198	1,644	355	3,300	-	-	-	2,200	4,111	888	1,644	355
1,000	172	1,644	355					2,800				



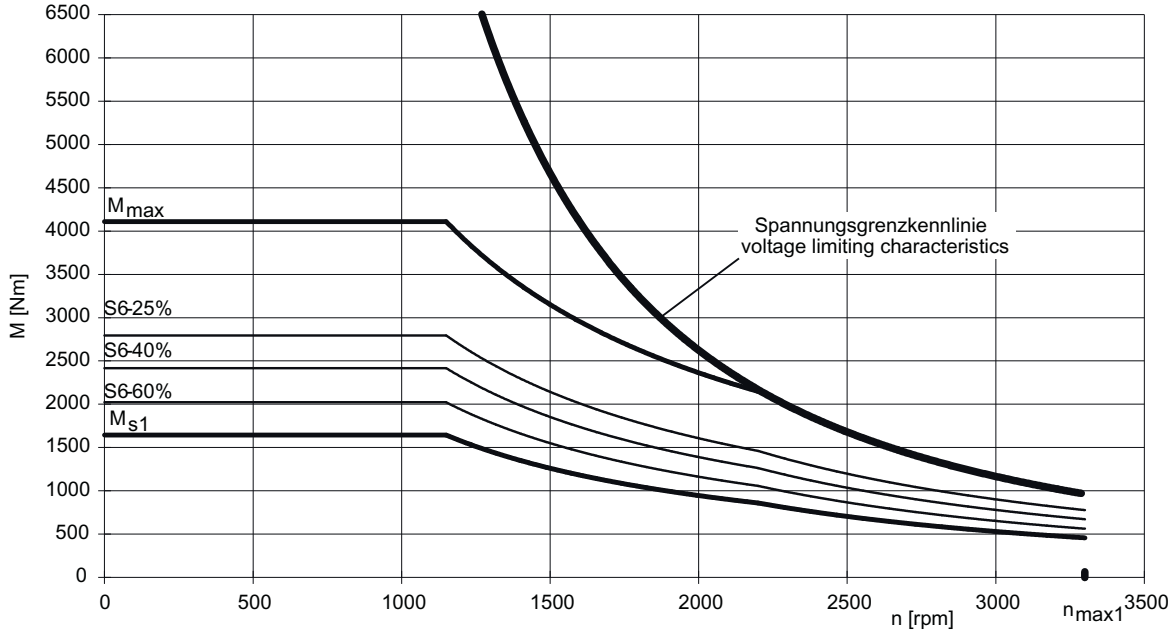


Table 2-423 SINAMICS, 3-ph. 480 V AC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8284-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	232	1,641	355	3,300	-	-	-	2,200	4,103	888	1,641	355

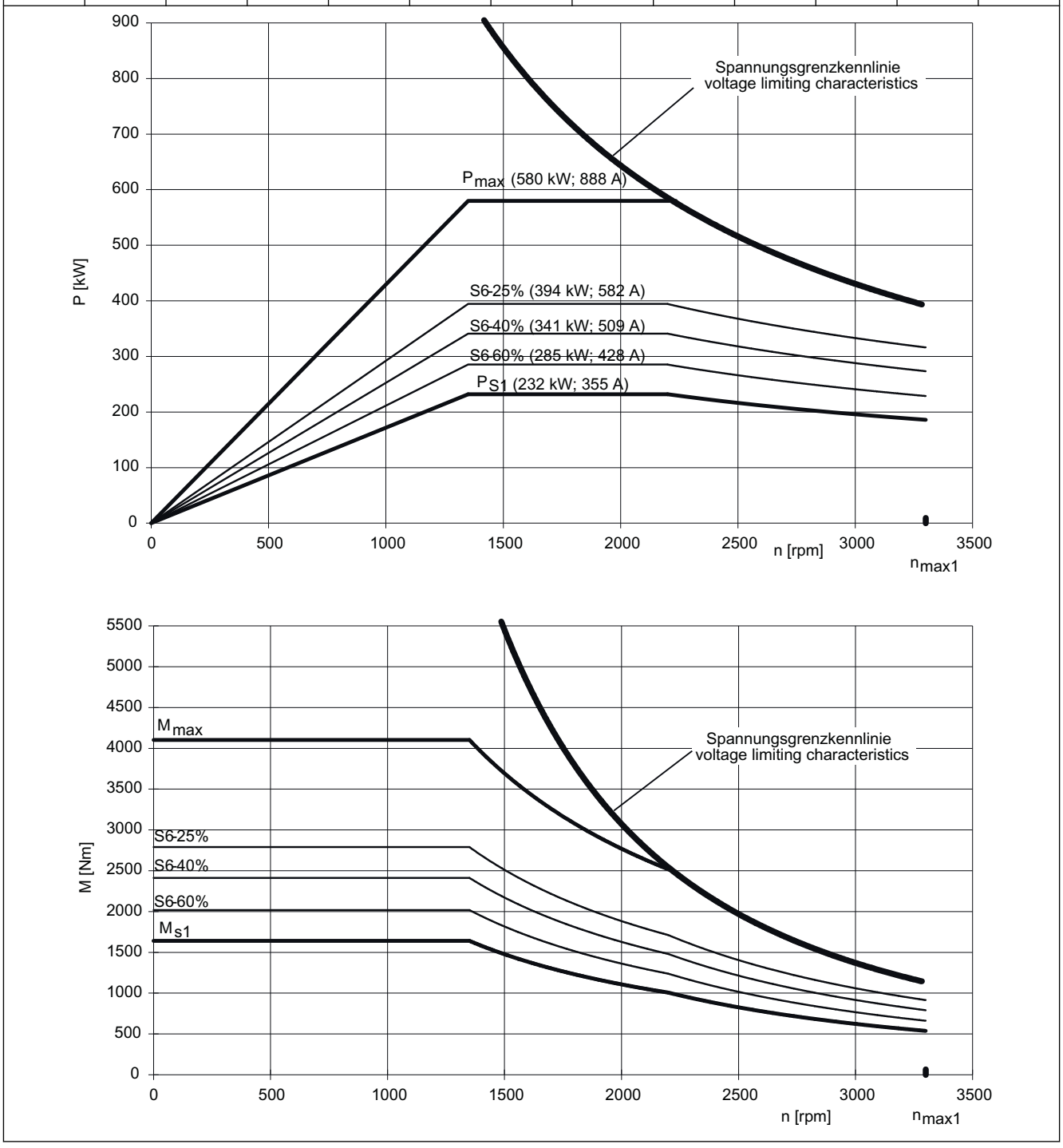
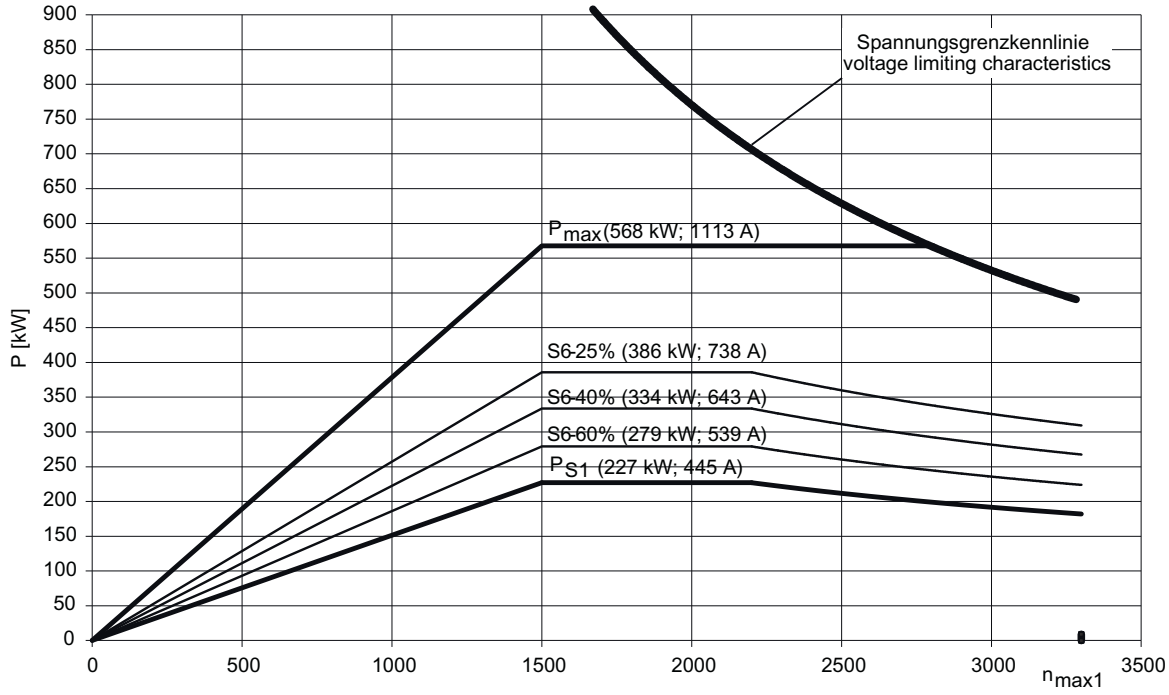


Table 2-424 SINAMICS, 3-ph. 400 V AC, Smart/Basic Line Module, (SLM/BLM), 1PH8284-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	227	1,445	445	3,300	-	-	-	2,200	3,613	1,113	1,445	445



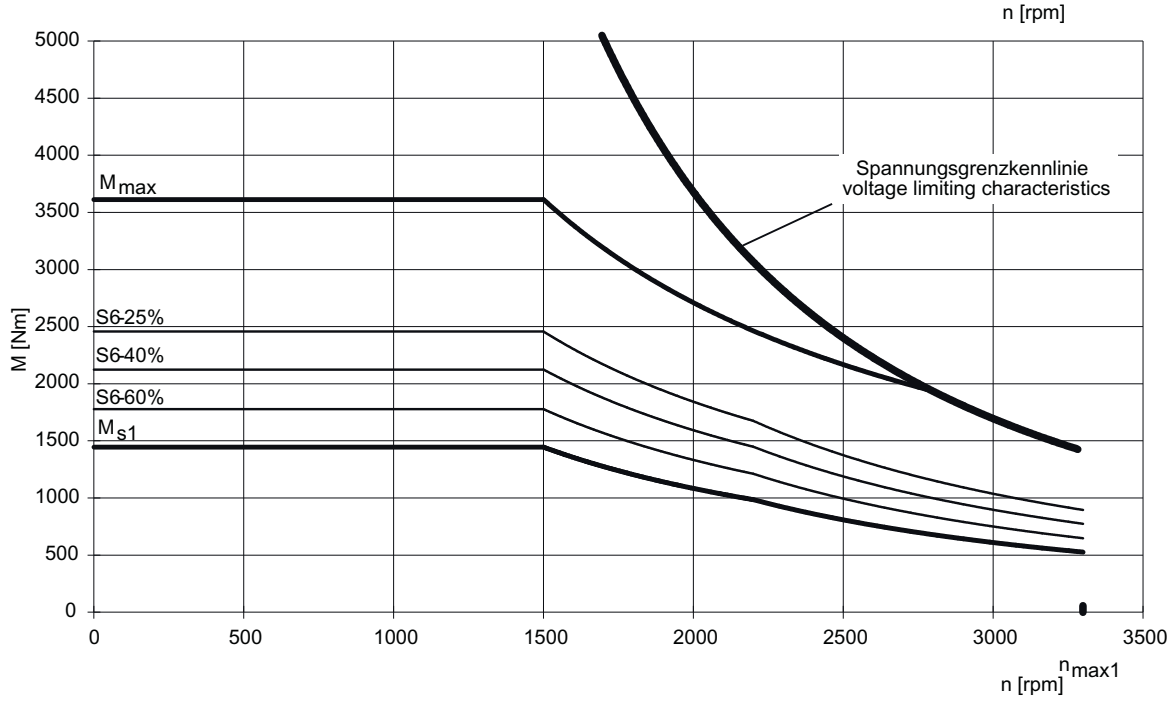


Table 2-425 SINAMICS, 3-ph. 400 V AC, Active Line Module, (ALM), 1PH8284-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	265	1,446	445	3,300	-	-	-	2,200	3,615	1,113	1,446	445
1,500	227	1,446	445					2,700				

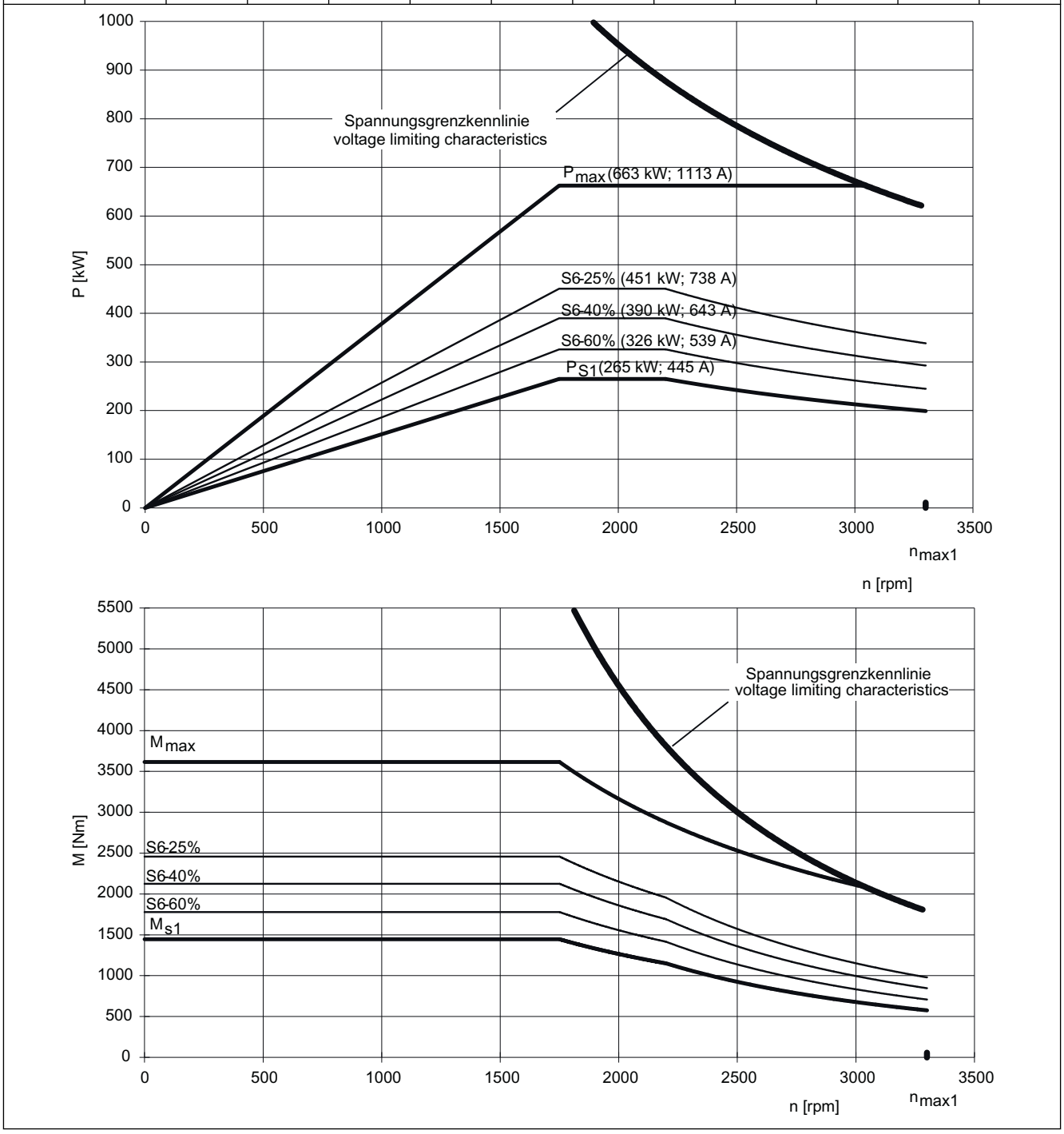
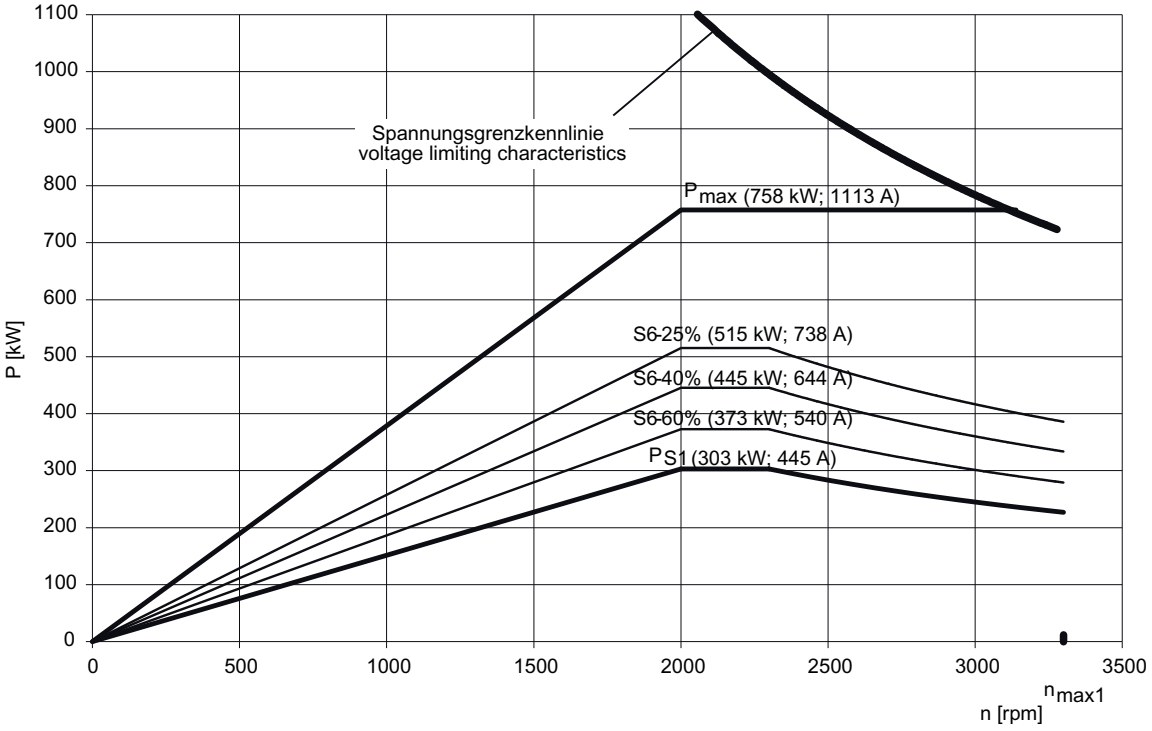


Table 2-426 SINAMICS, 3-ph. 480 V AC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8284-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	303	1,447	445	3,300	-	-	-	2,300	3,617	1,113	1,447	445



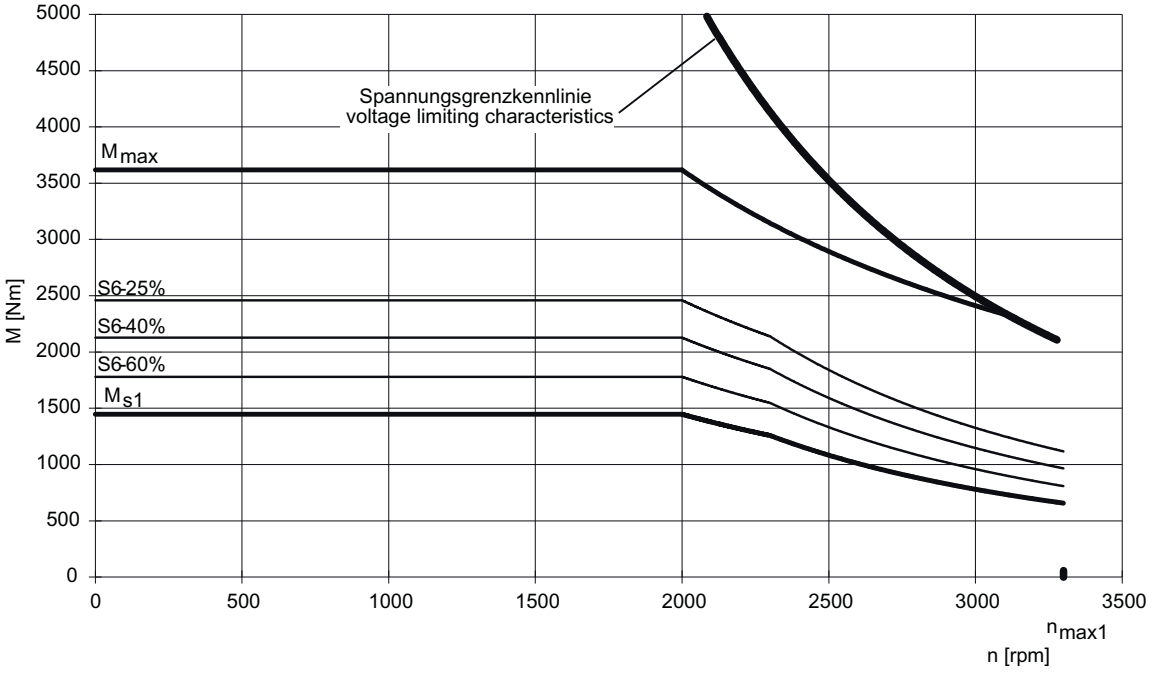
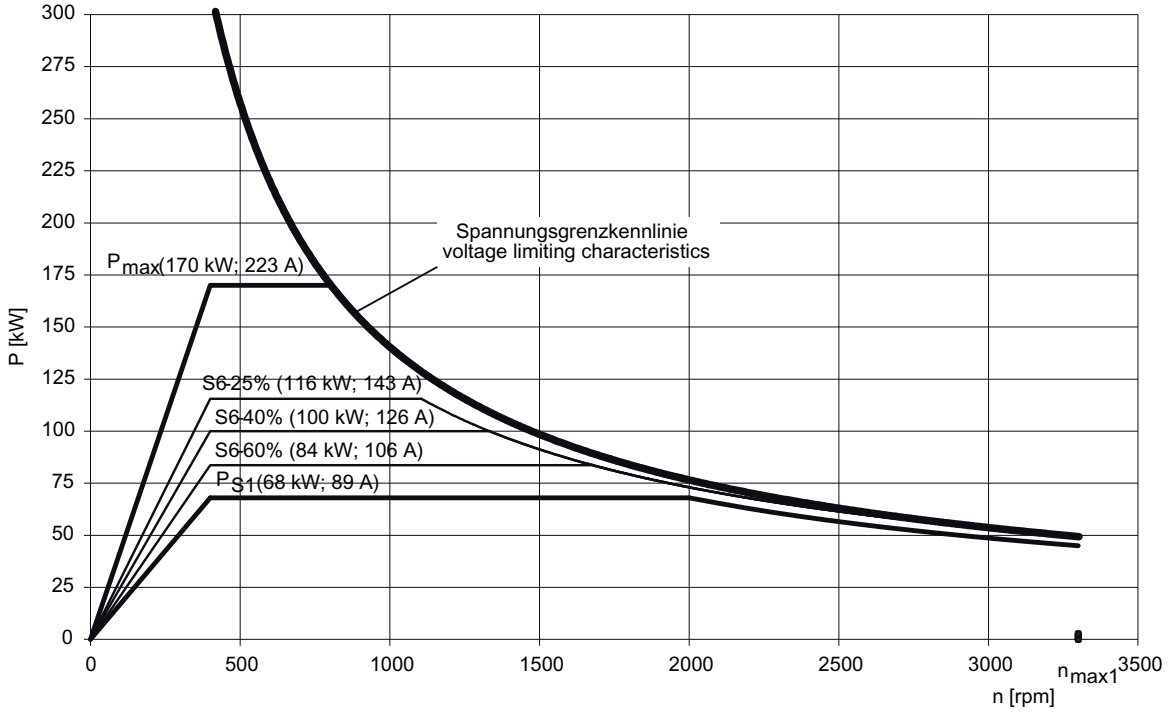


Table 2-427 SINAMICS, 3-ph. 690 V AC, Basic Line Module, (BLM), 1PH8284-□□H2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	68	1,624	89	3,300	-	-	-	2,000	4,059	223	1,624	89



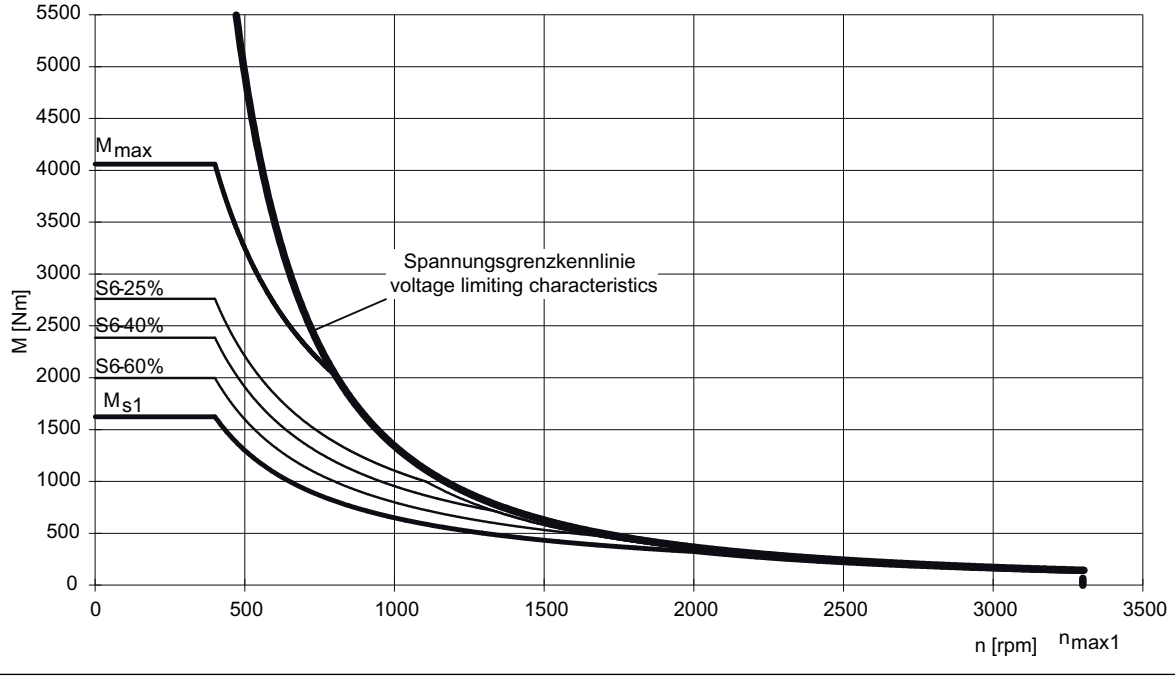
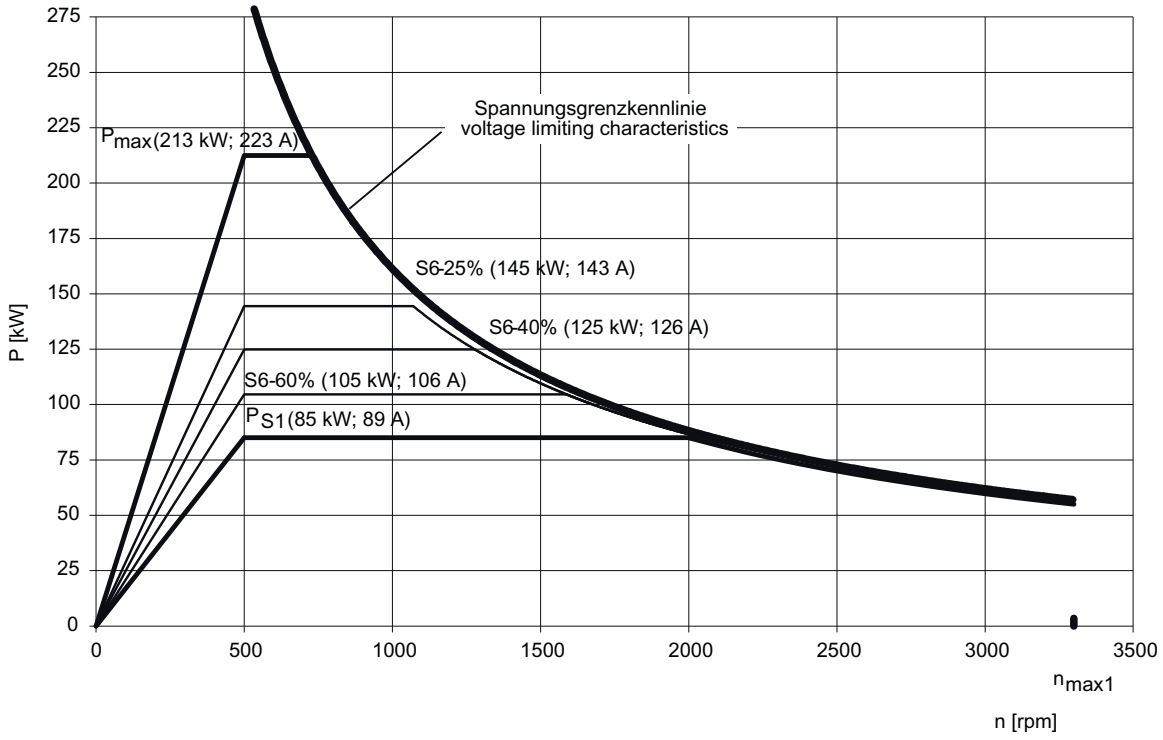


Table 2-428 SINAMICS, 3-ph. 690 V AC, Active Line Module, (ALM), 1PH8284-□□H2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	85	1,624	89	3,300	-	-	-	2,000	4,059	223	1,624	89
400	68	1,624	89					2,600				



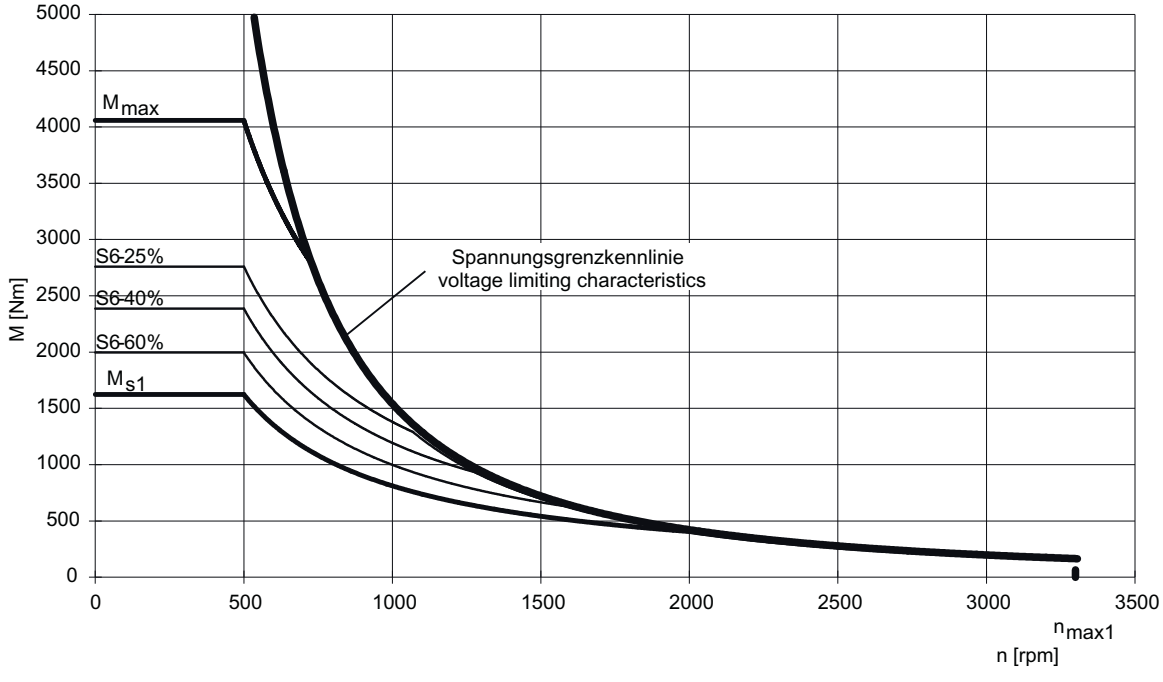
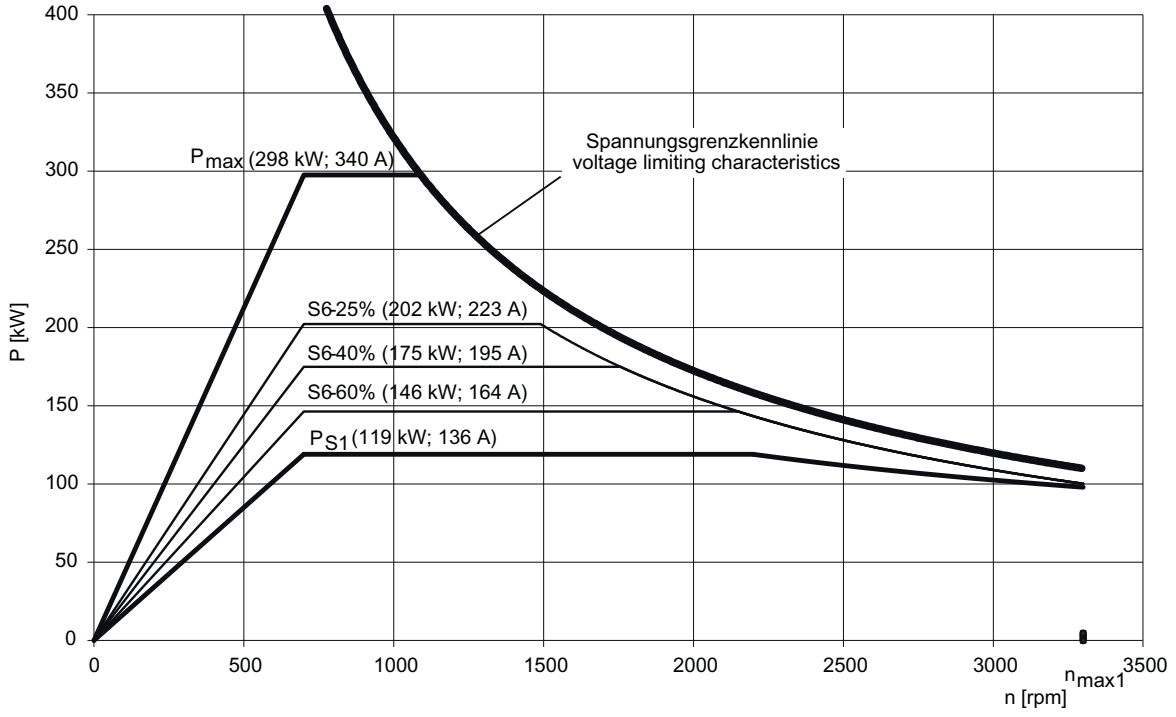


Table 2-429 SINAMICS, 3-ph. 690 V AC, Basic Line Module, (BLM), 1PH8284-□□K2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	119	1,624	136	3,300	-	-	-	2,200	4,059	340	1,624	136



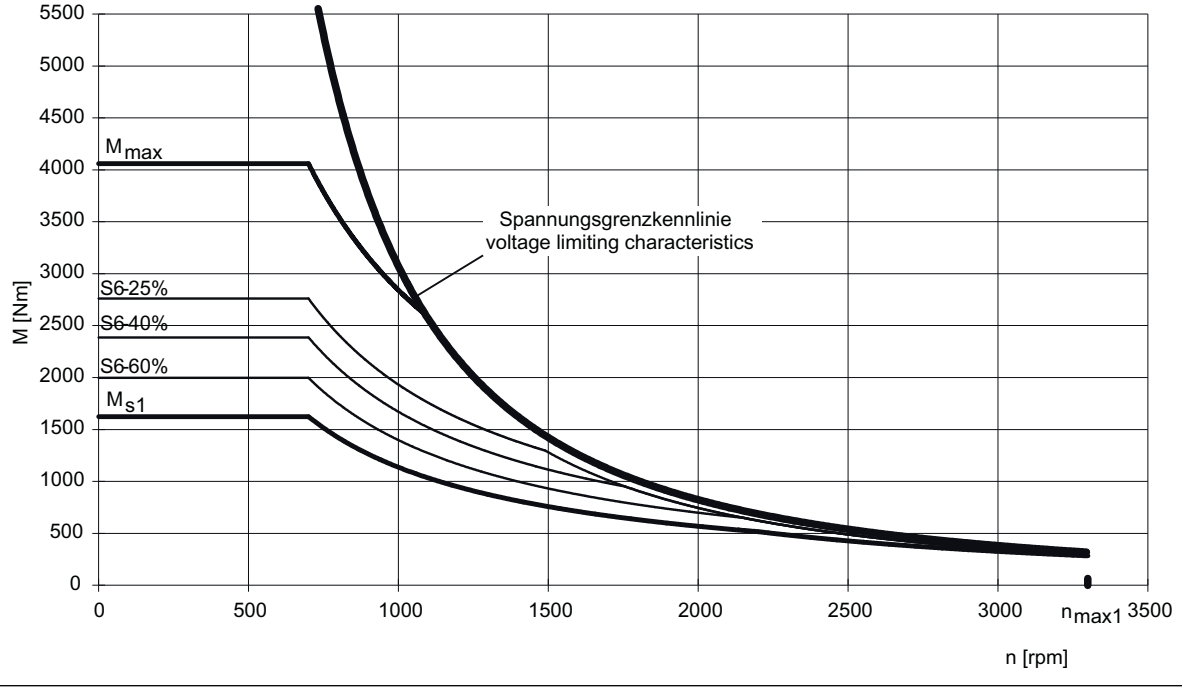


Table 2-430 SINAMICS, 3-ph. 690 V AC, Active Line Module, (ALM), 1PH8284-☐☐K2☐

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	137	1,635	138	3,300	-	-	-	2,200	4,089	345	1,635	138
700	120	1,635	138					2,900				

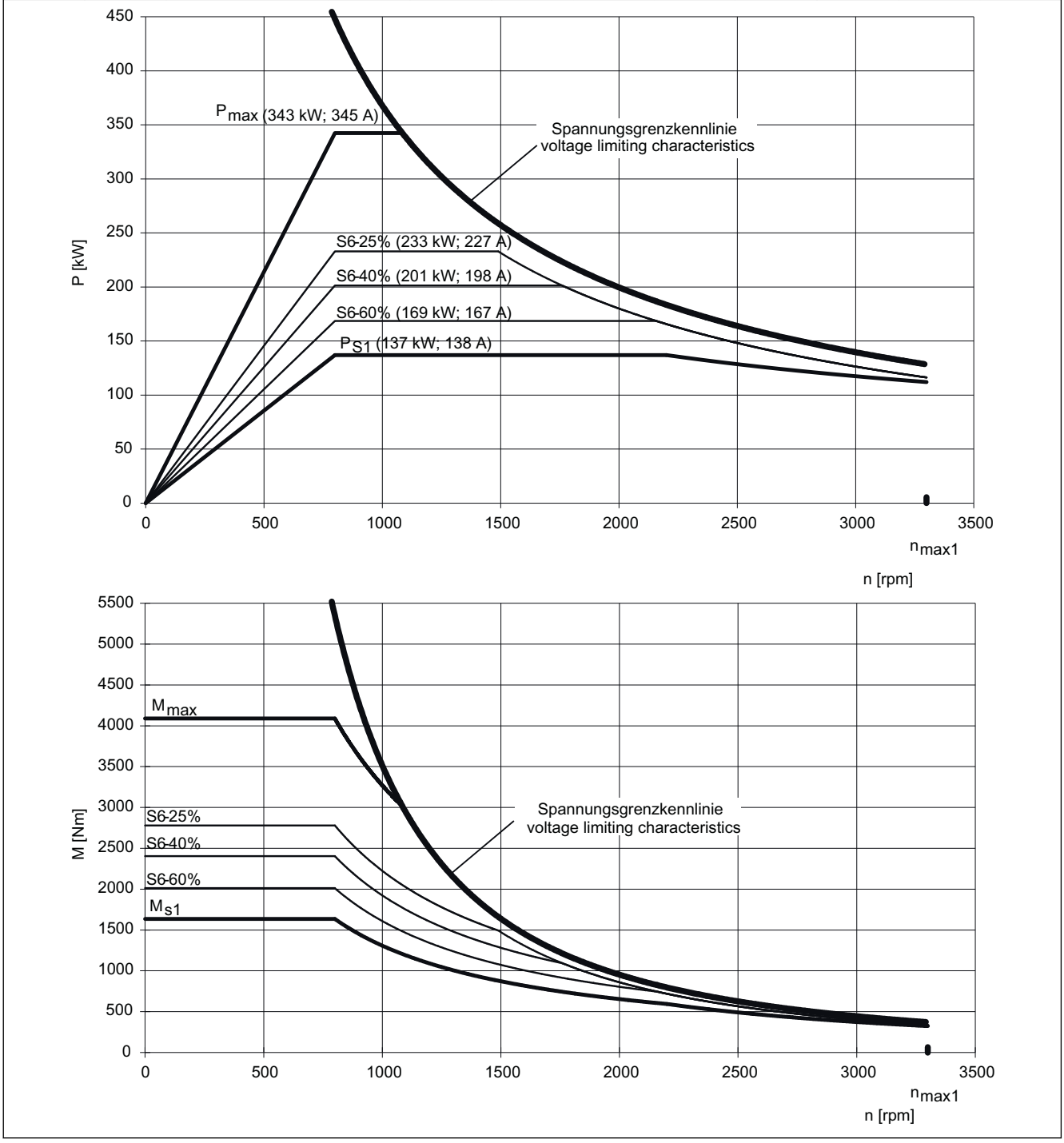
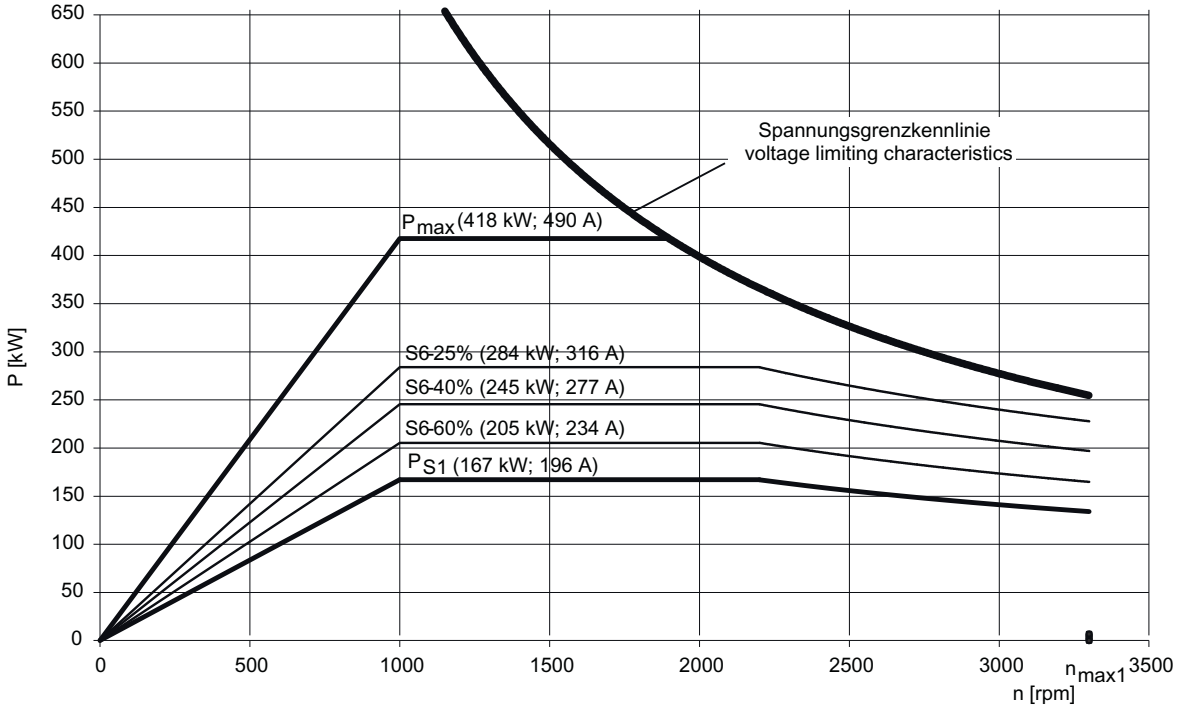


Table 2-431 SINAMICS, 3-ph. 690 V AC, Basic Line Module, (BLM), 1PH8284-□□U2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	167	1,595	196	3,300	-	-	-	2,200	3,987	490	1,595	196



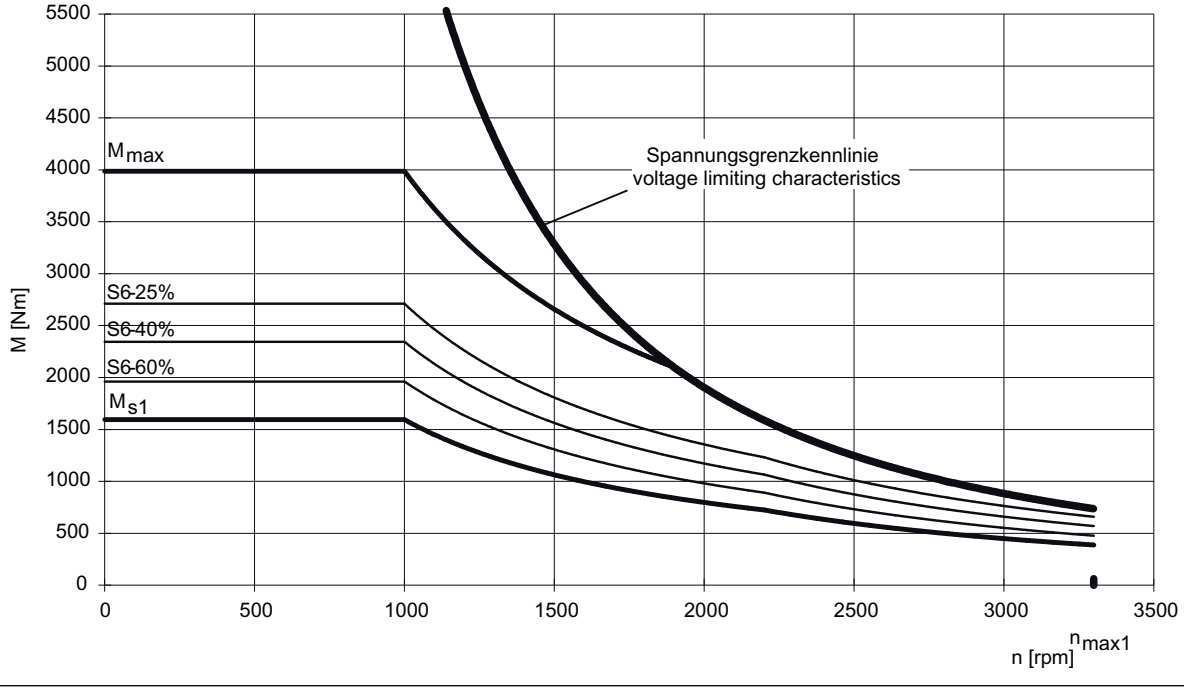
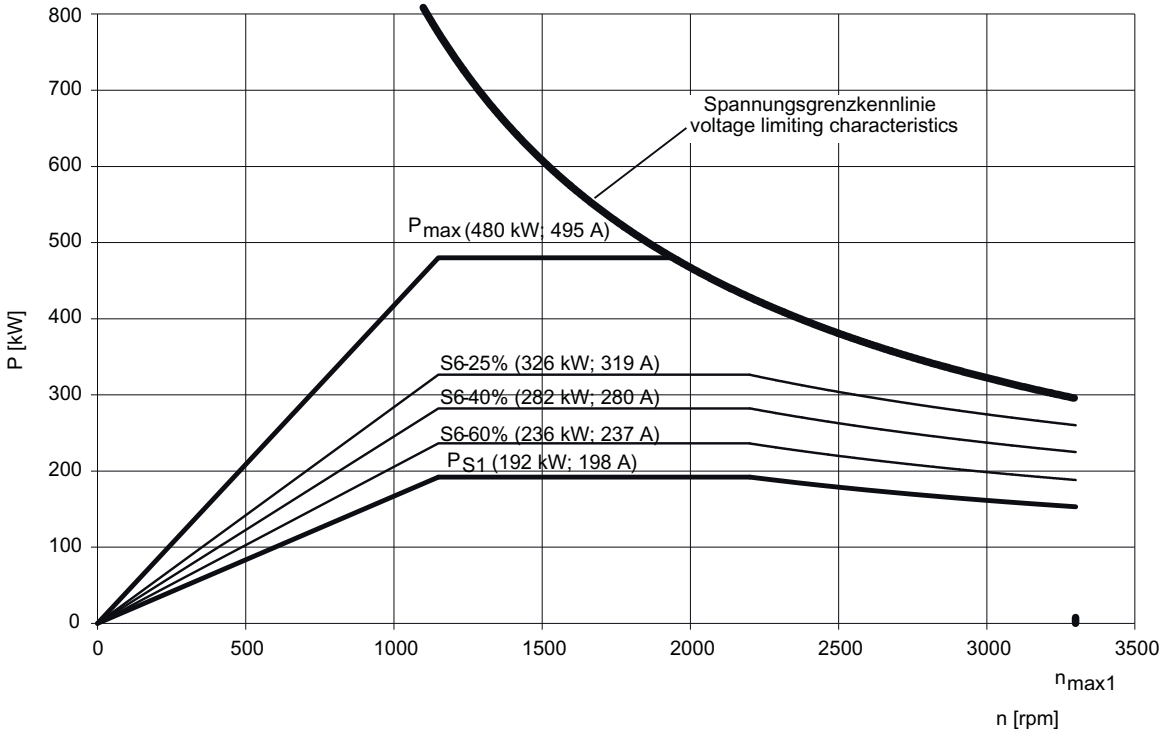


Table 2-432 SINAMICS, 3-ph. 690 V AC, Active Line Module, (ALM), 1PH8284-□□U2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	192	1,594	198	3,300	-	-	-	2,200	3,986	495	1,594	198
1,000	167	1,594	198					2,800				



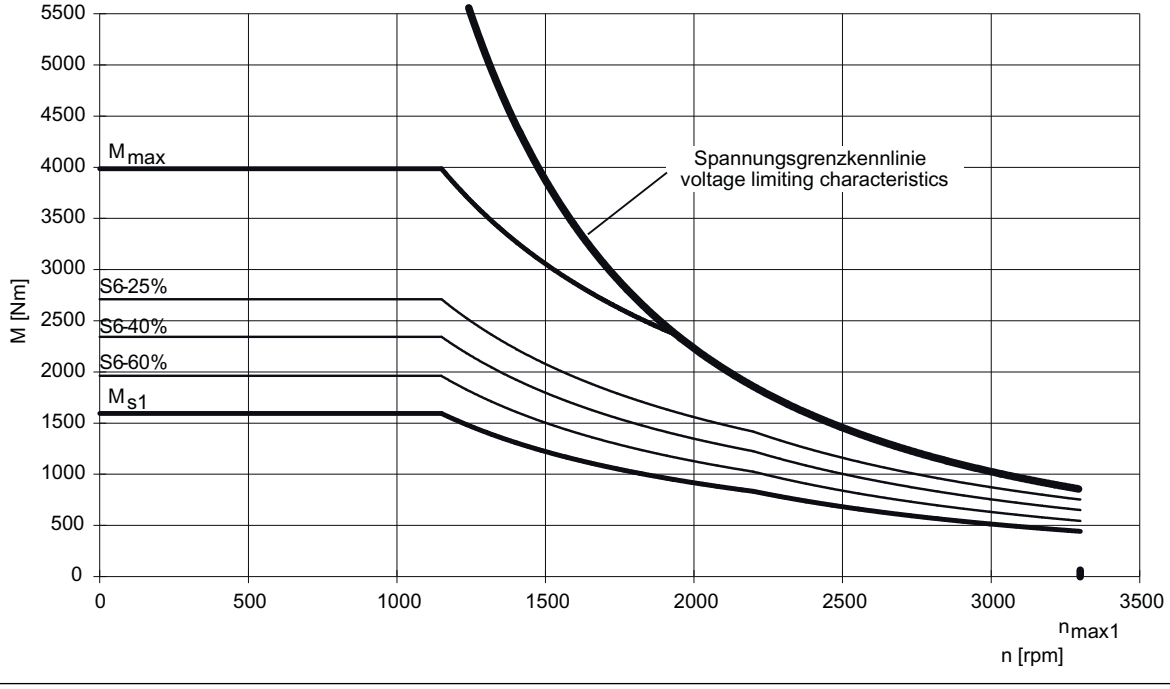
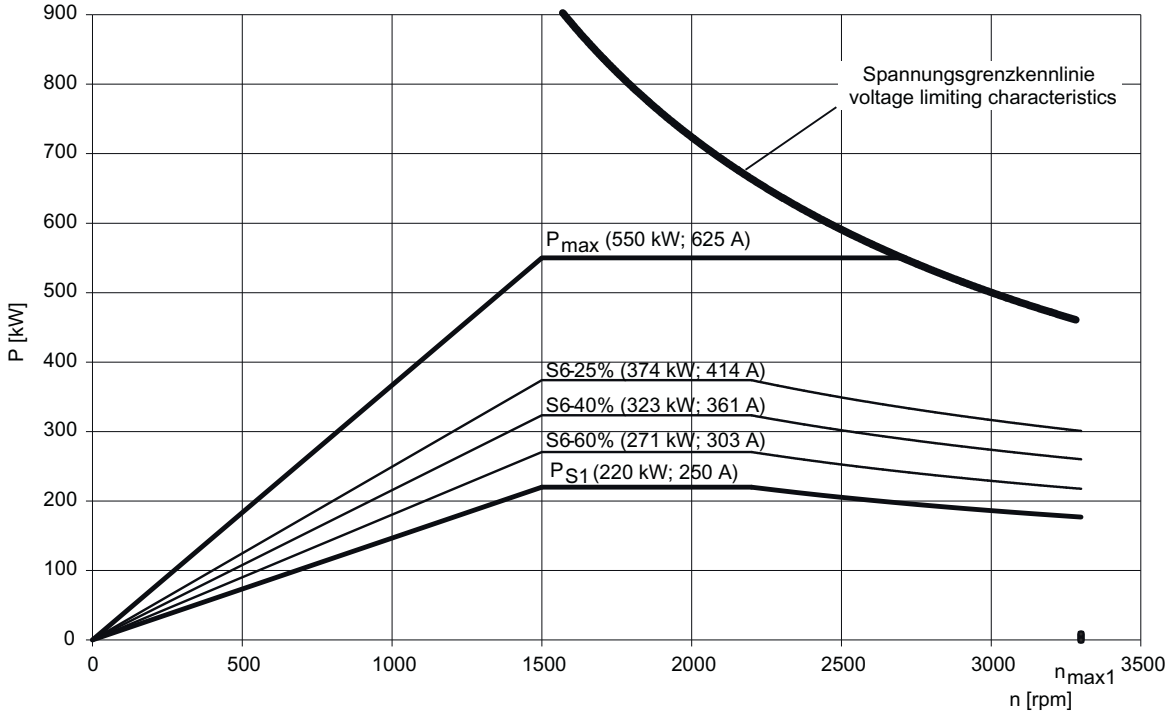


Table 2-433 SINAMICS, 3-ph. 690 V AC, Basic Line Module, (BLM), 1PH8284-□□W2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	220	1,401	250	3,300	-	-	-	2,200	3,502	625	1,401	250



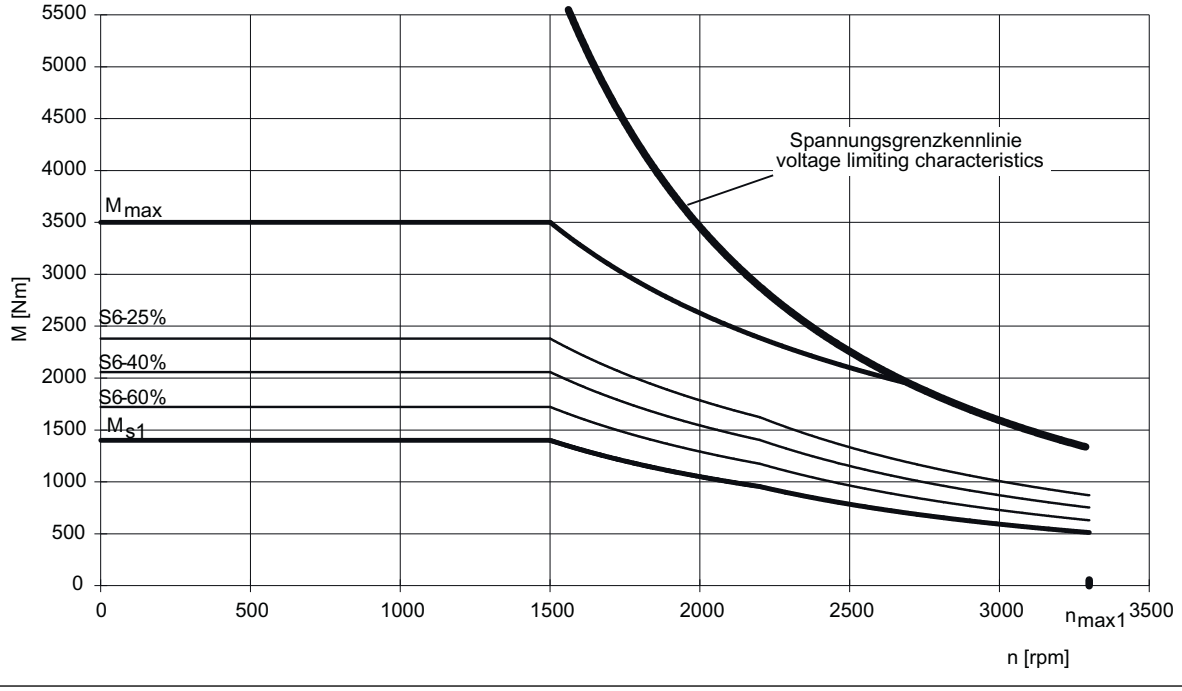
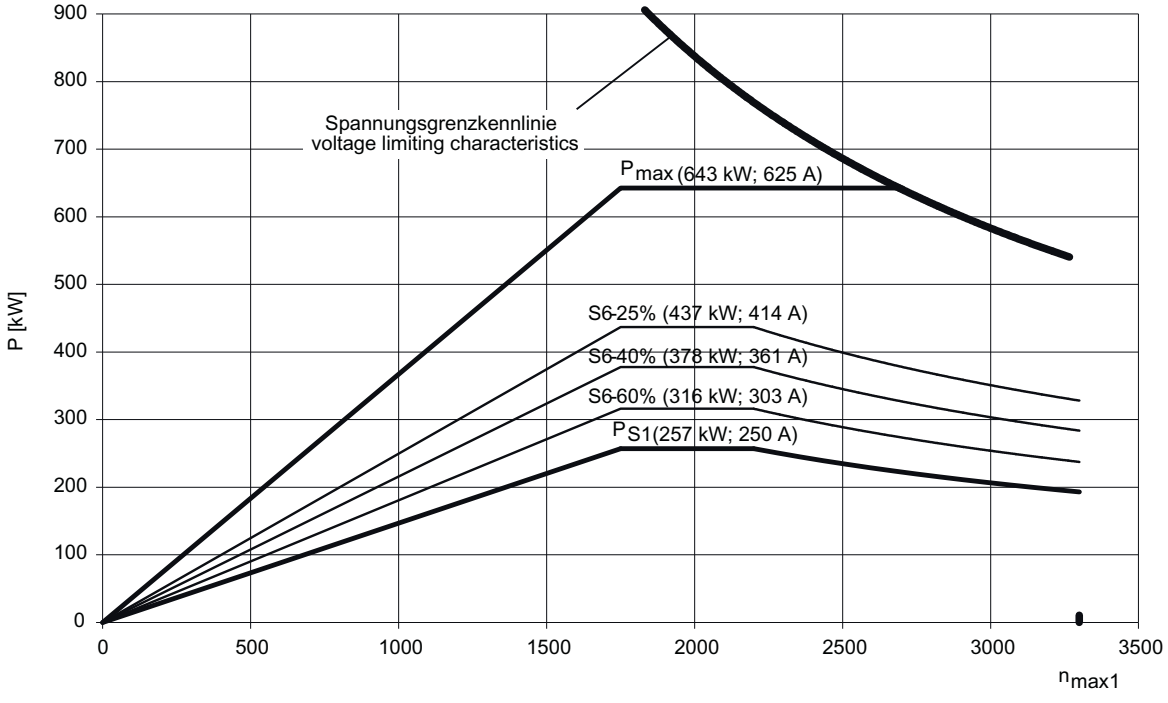


Table 2-434 SINAMICS, 3-ph. 690 V AC, Active Line Module, (ALM), 1PH8284-☐☐W2☐

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	257	1,402	250	3,300	-	-	-	2,200	3,506	625	1,402	250
1,500	220	1,402	250					2,700				



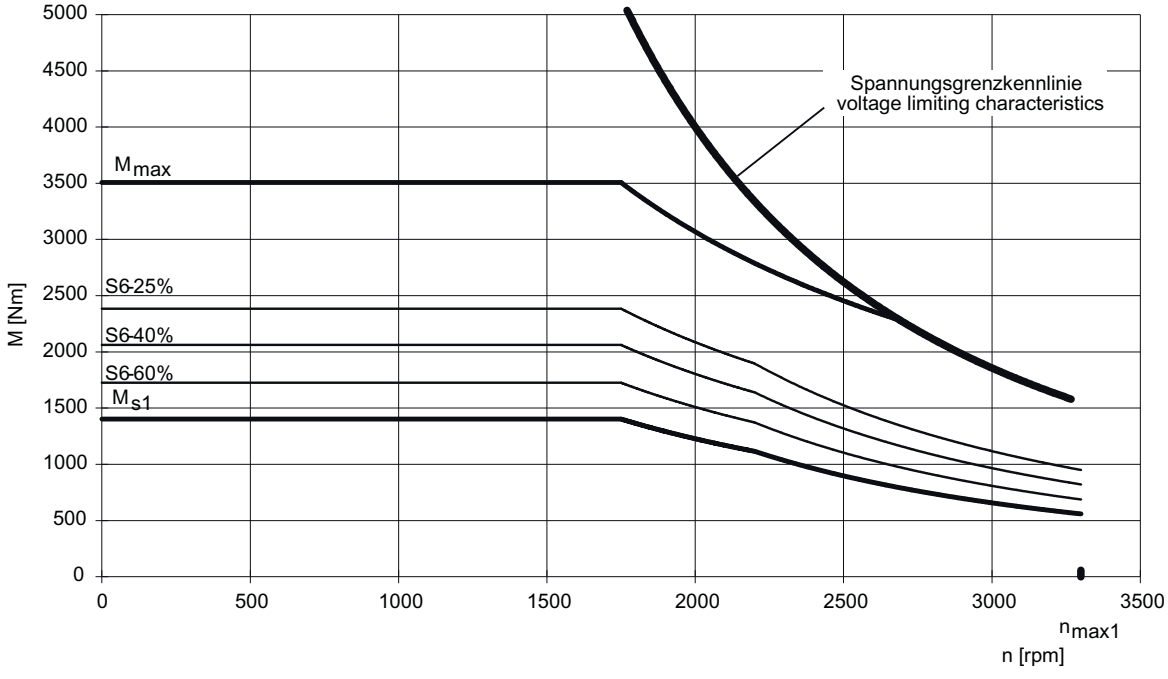
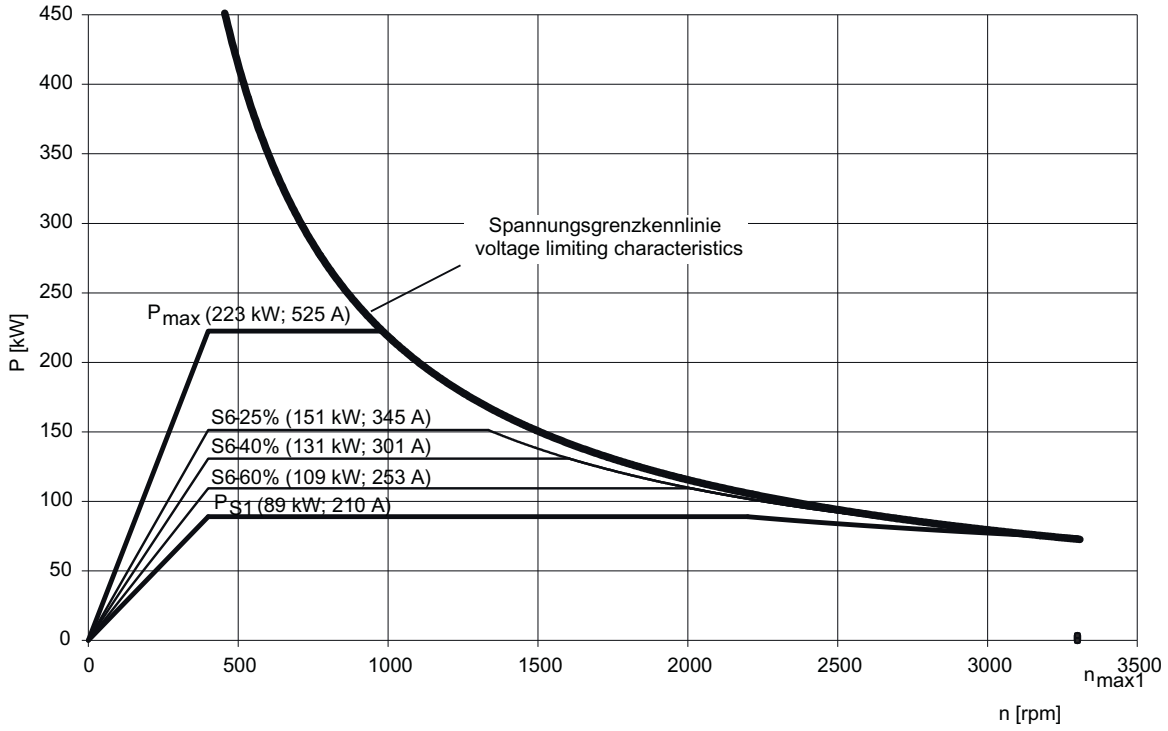


Table 2-435 SINAMICS, 3-ph. 400 V AC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	89	2,125	210	3,300	-	-	-	2,200	5,312	525	2,125	210



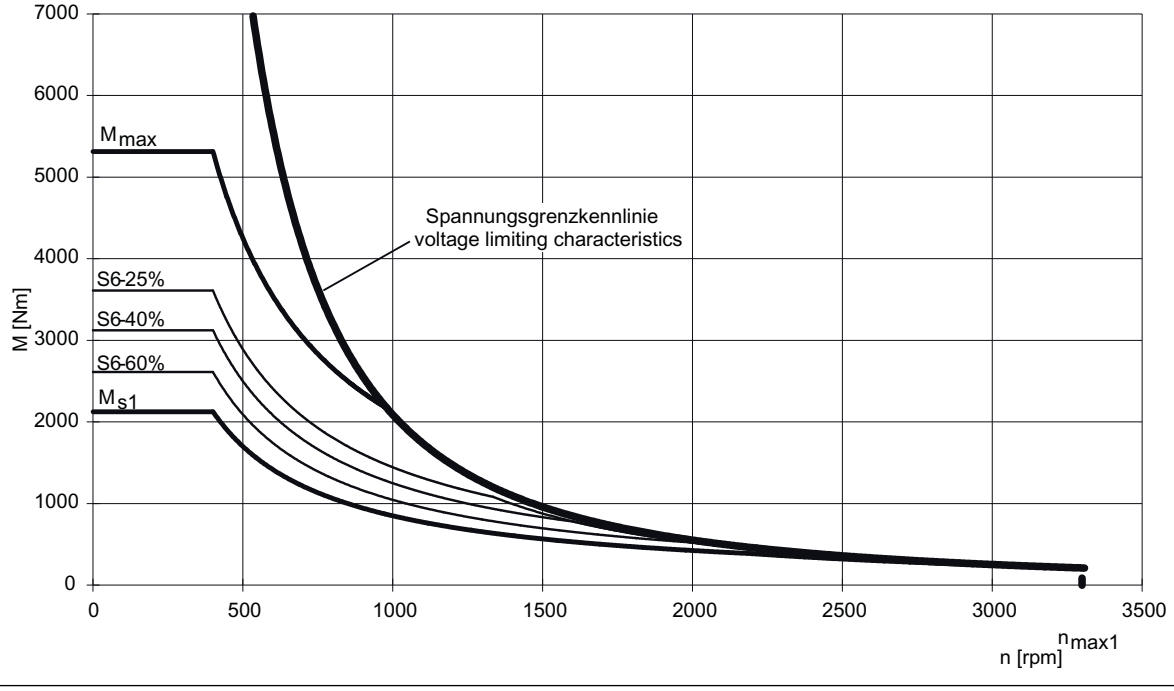


Table 2-436 SINAMICS, 3-ph. 400 V AC, Active Line Module, (ALM), 1PH8286-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	111	2,120	205	3,300	-	-	-	2,200	5,300	513	2,120	205
400	89	2,120	205					3,300				

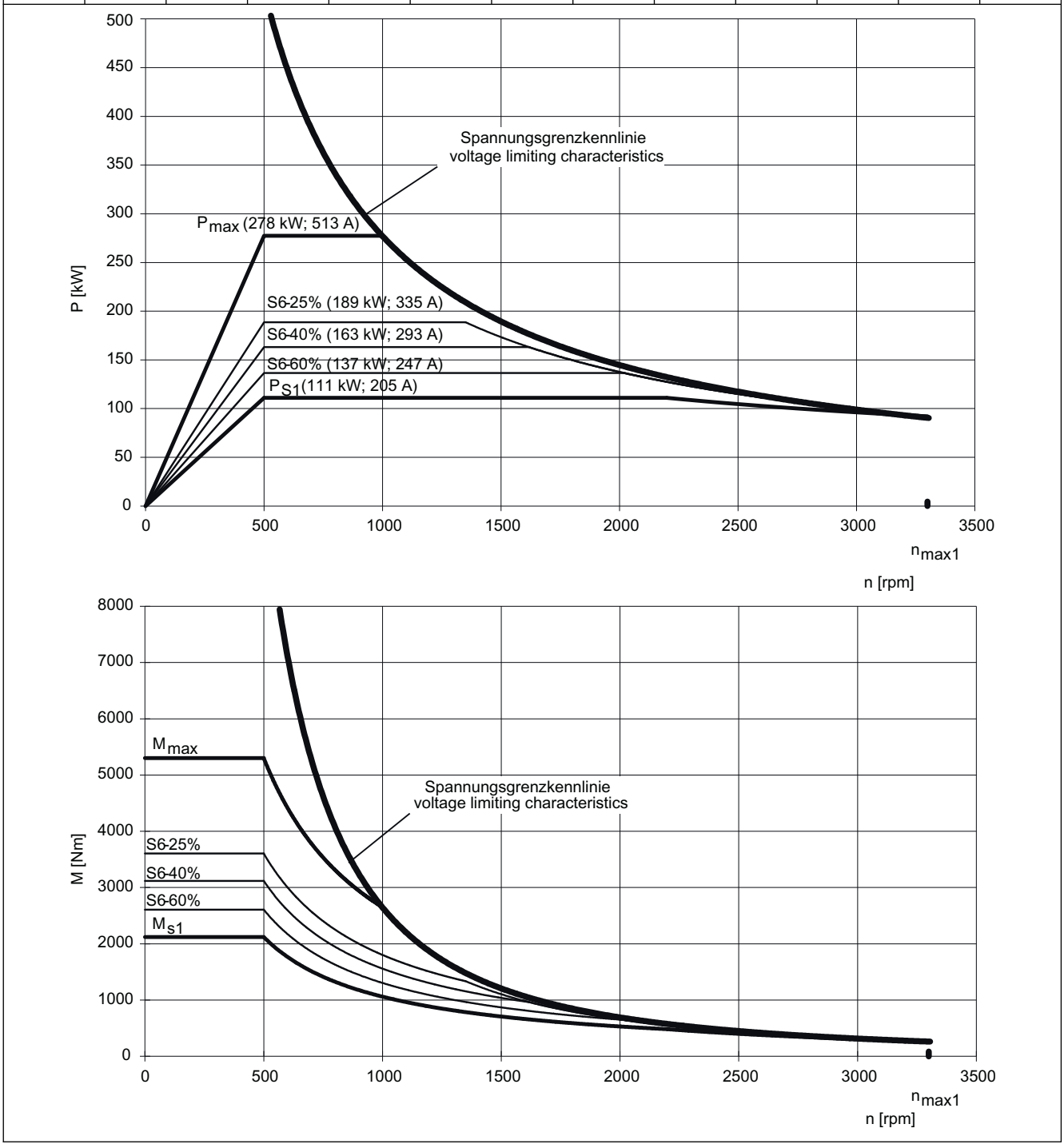


Table 2-437 SINAMICS, 3-ph. 480 V AC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8286-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	133	2,117	205	3,300	-	-	-	2,200	5,292	513	2,117	205

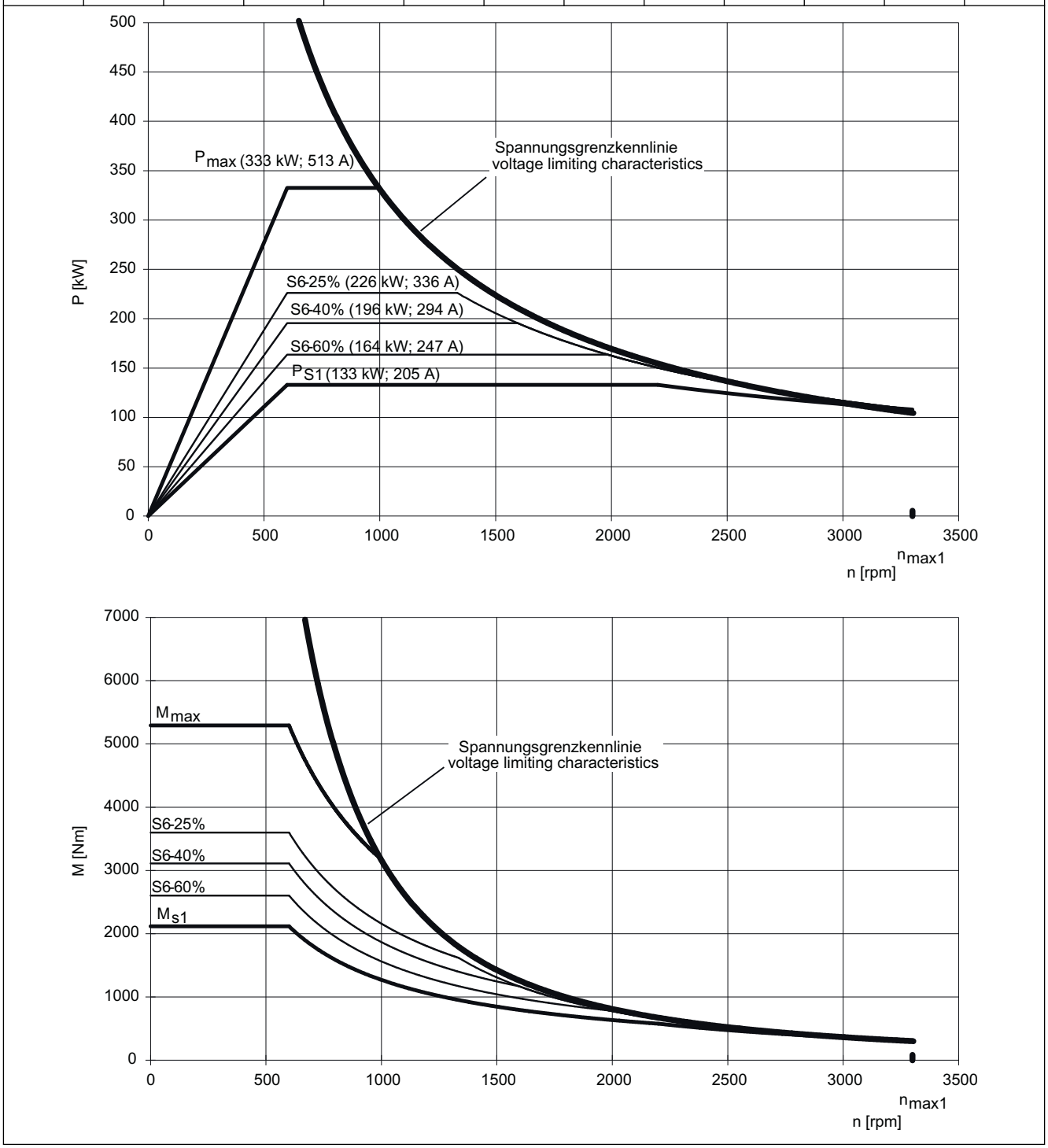
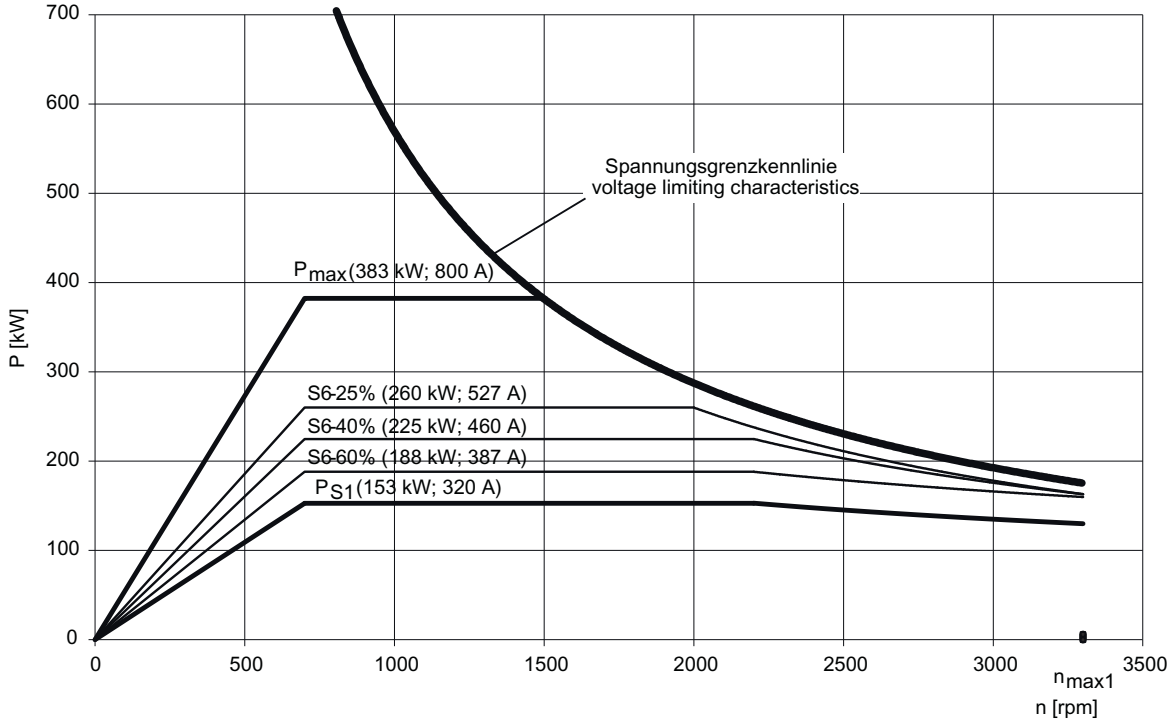


Table 2-438 SINAMICS, 3-ph. 400 V AC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	153	2,087	320	3,300	-	-	-	2,200	5,218	800	2,087	320



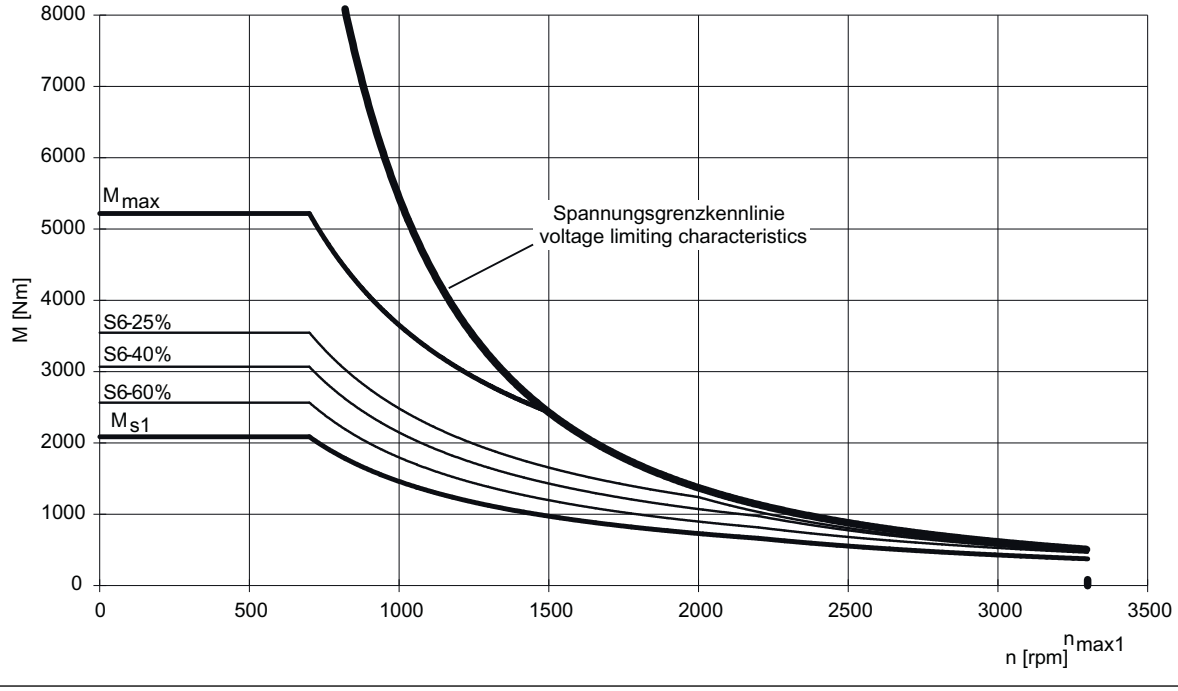
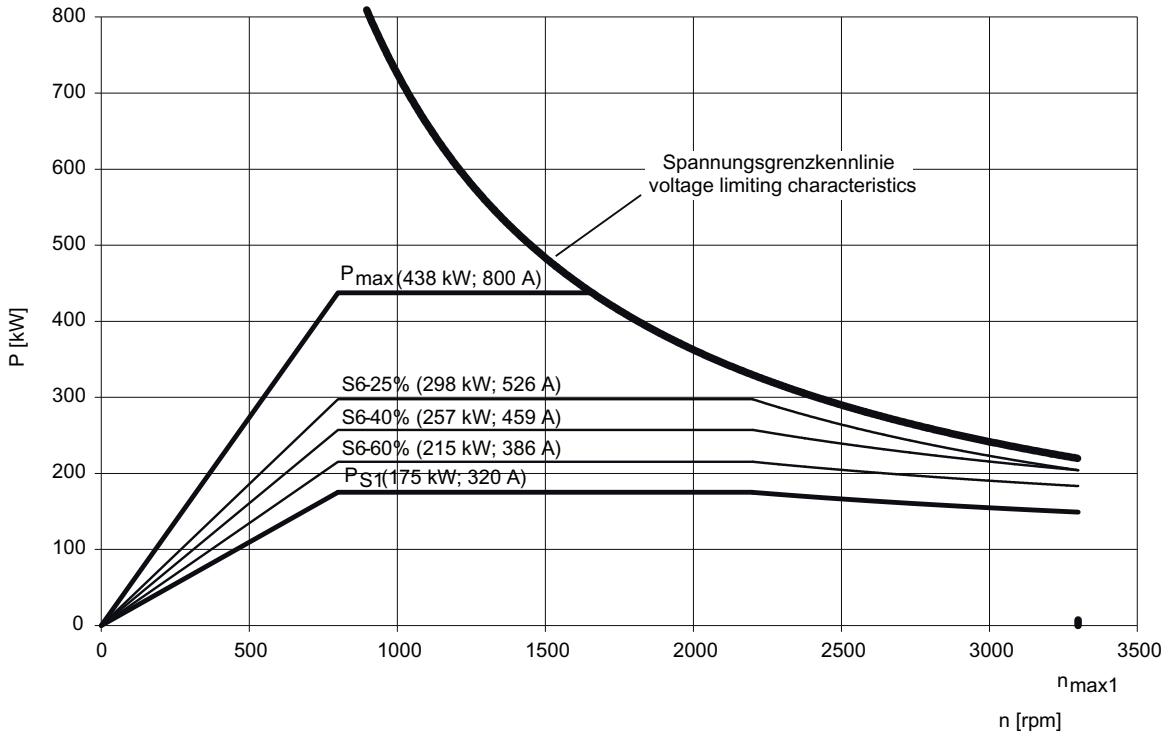


Table 2-439 SINAMICS, 3-ph. 400 V AC, Active Line Module, (ALM), 1PH8286-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	175	2,089	320	3,300	-	-	-	2,200	5,223	800	2,089	320
700	153	2,089	320					3,100				



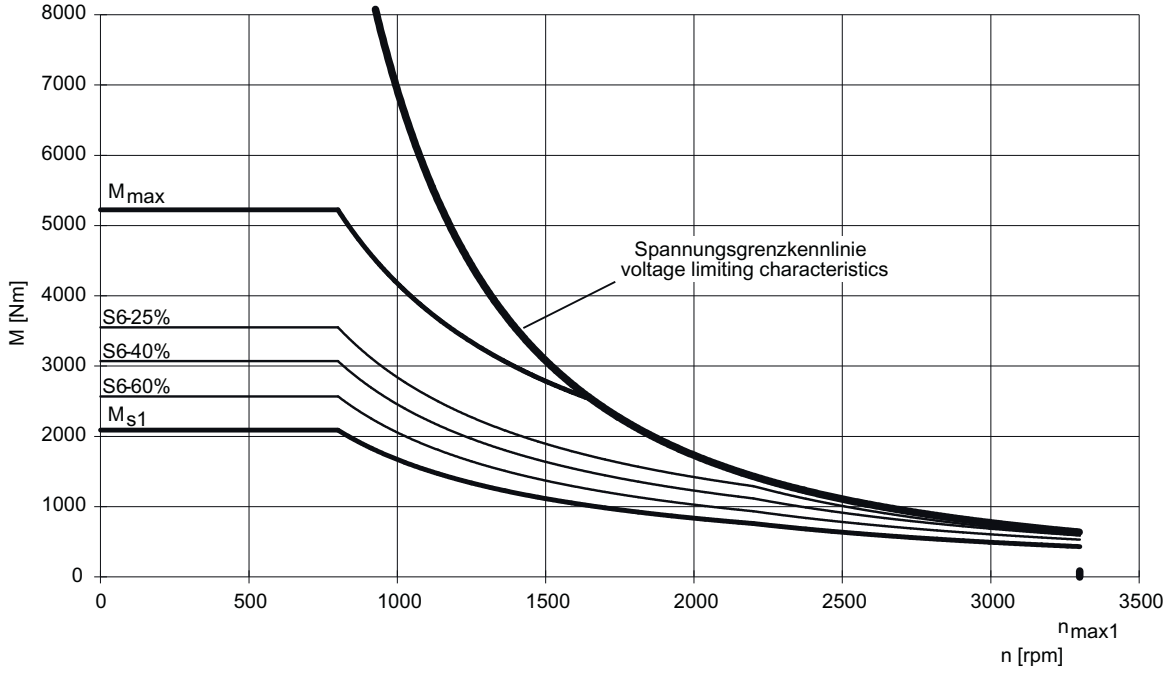


Table 2-440 SINAMICS, 3-ph. 480 V AC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8286-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	219	2,091	325	3,300	-	-	-	2,200	5,229	813	2,091	325

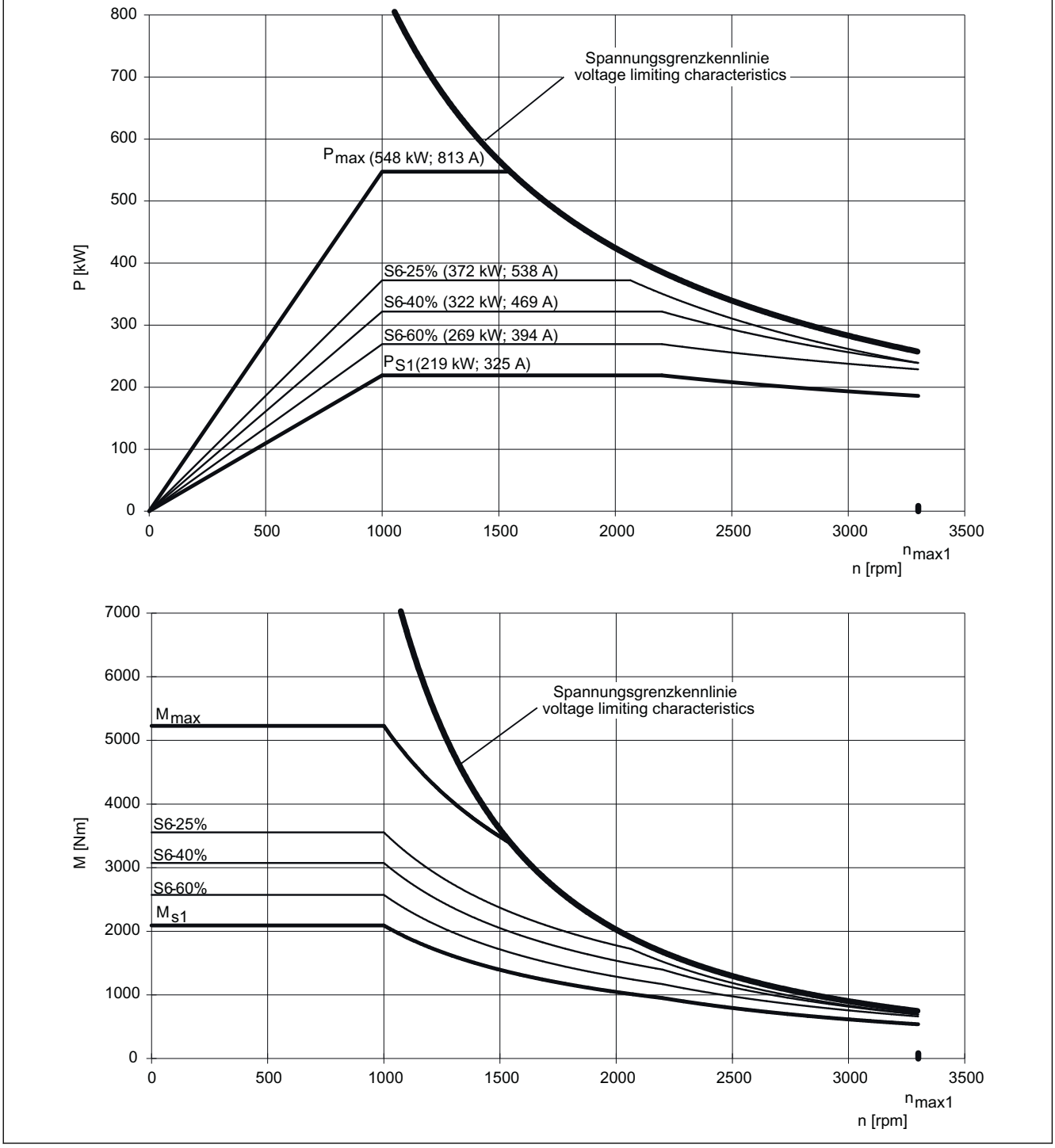
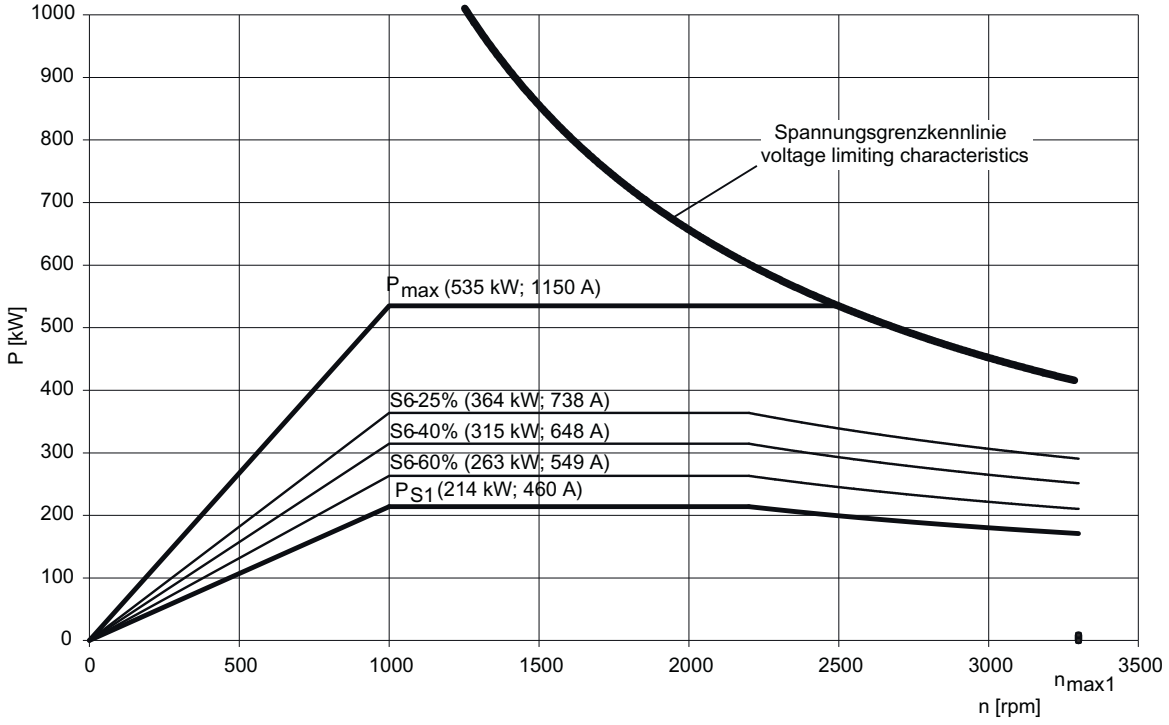


Table 2-441 SINAMICS, 3-ph. 400 V AC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	214	2,044	460	3,300	-	-	-	2,200	5,109	1,150	2,044	460



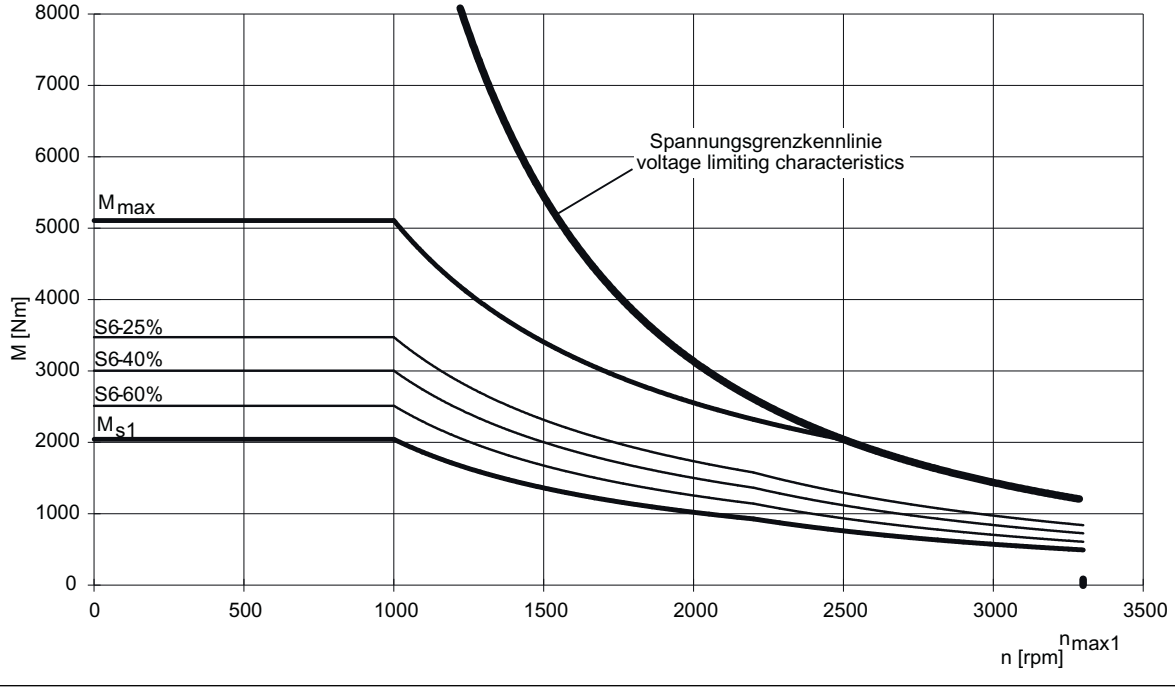
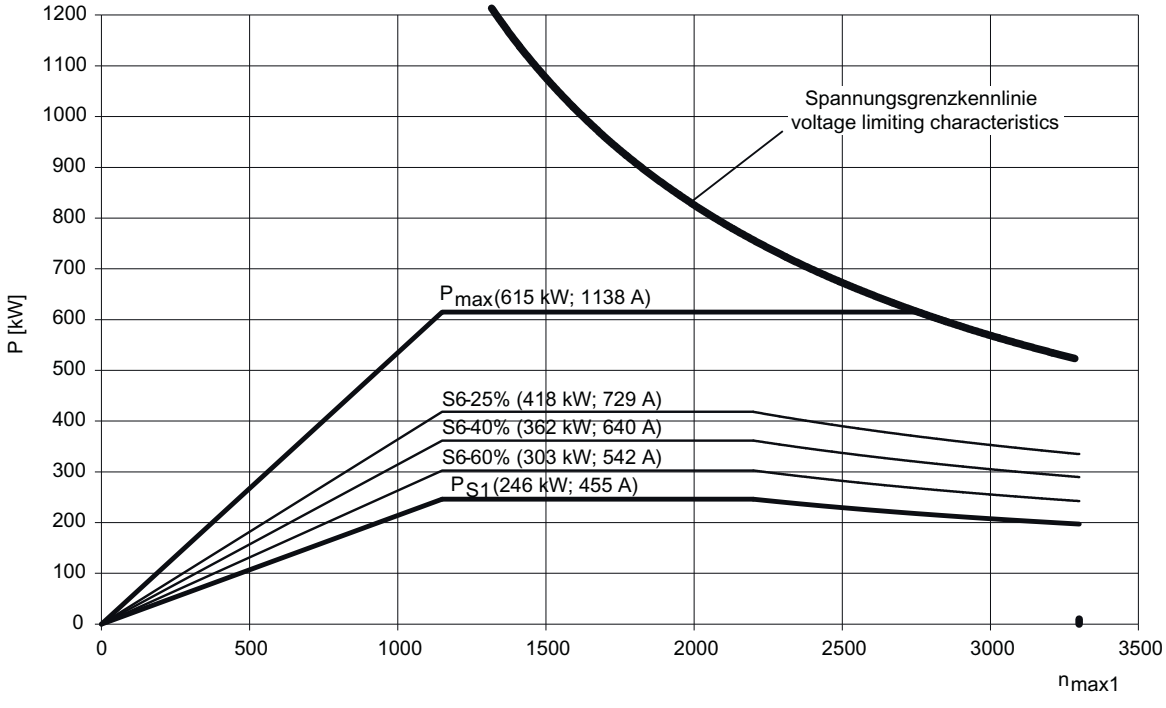


Table 2-442 SINAMICS, 3-ph. 400 V AC, Active Line Module, (ALM), 1PH8286-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	246	2,043	455	3,300	-	-	-	2,200	5,107	1,138	2,043	455
1,000	214	2,043	455					2,800				



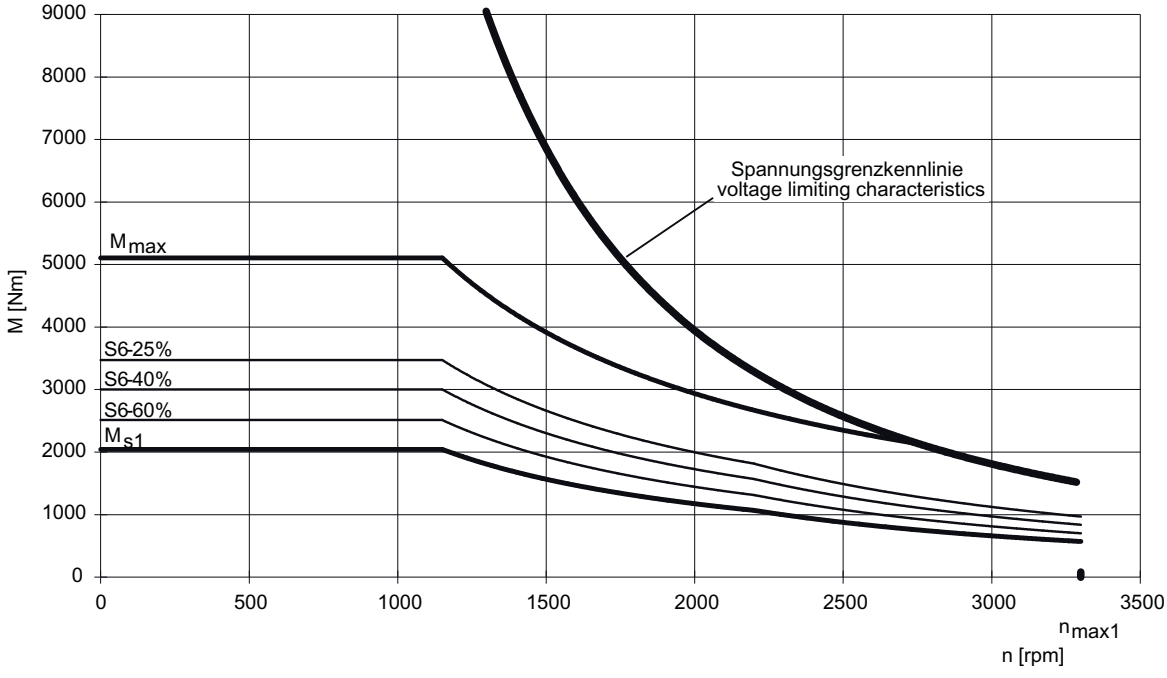


Table 2-443 SINAMICS, 3-ph. 480 V AC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8286-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	289	2,044	460	3,300	-	-	-	2,300	5,111	1,150	2,044	460

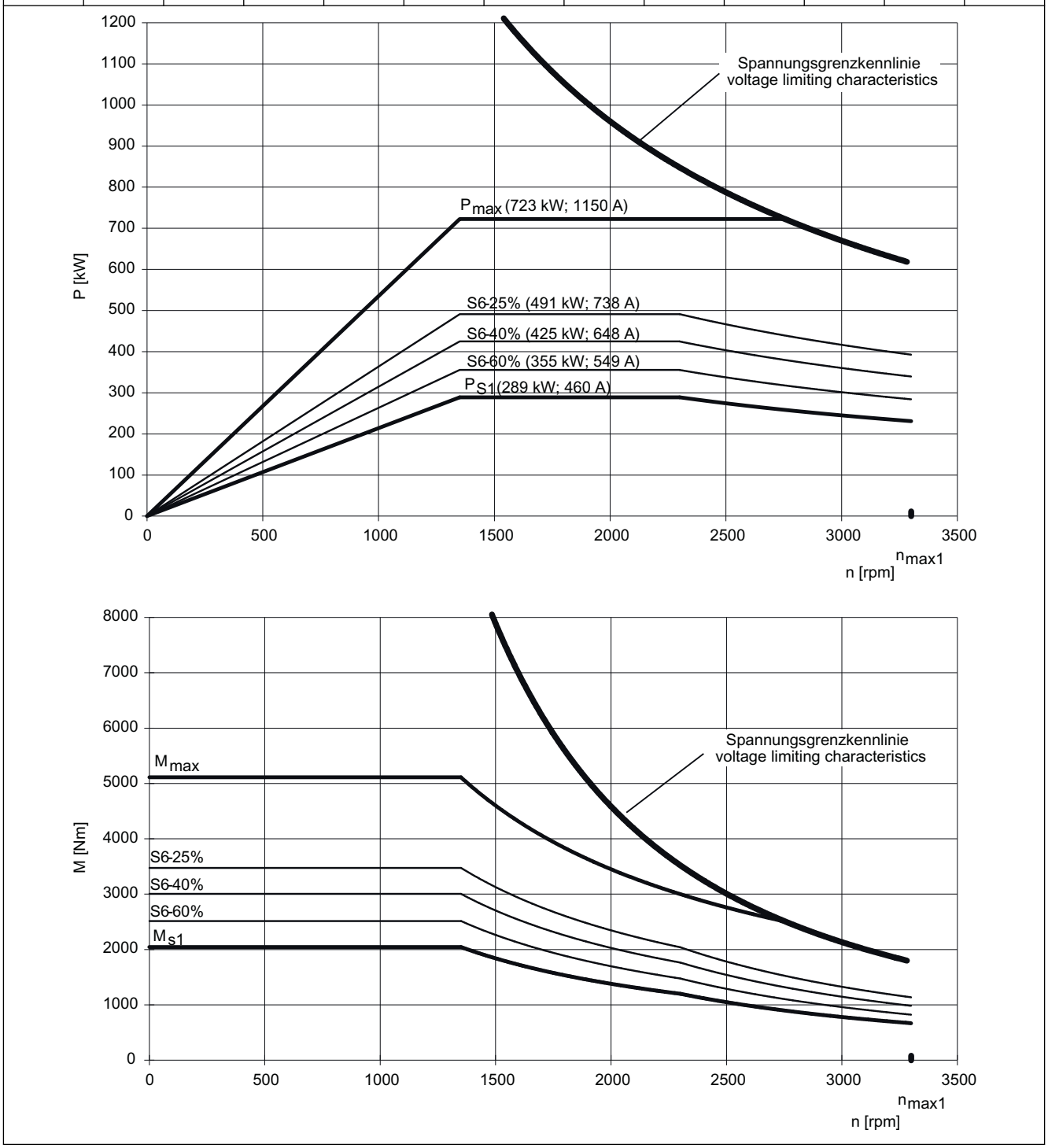
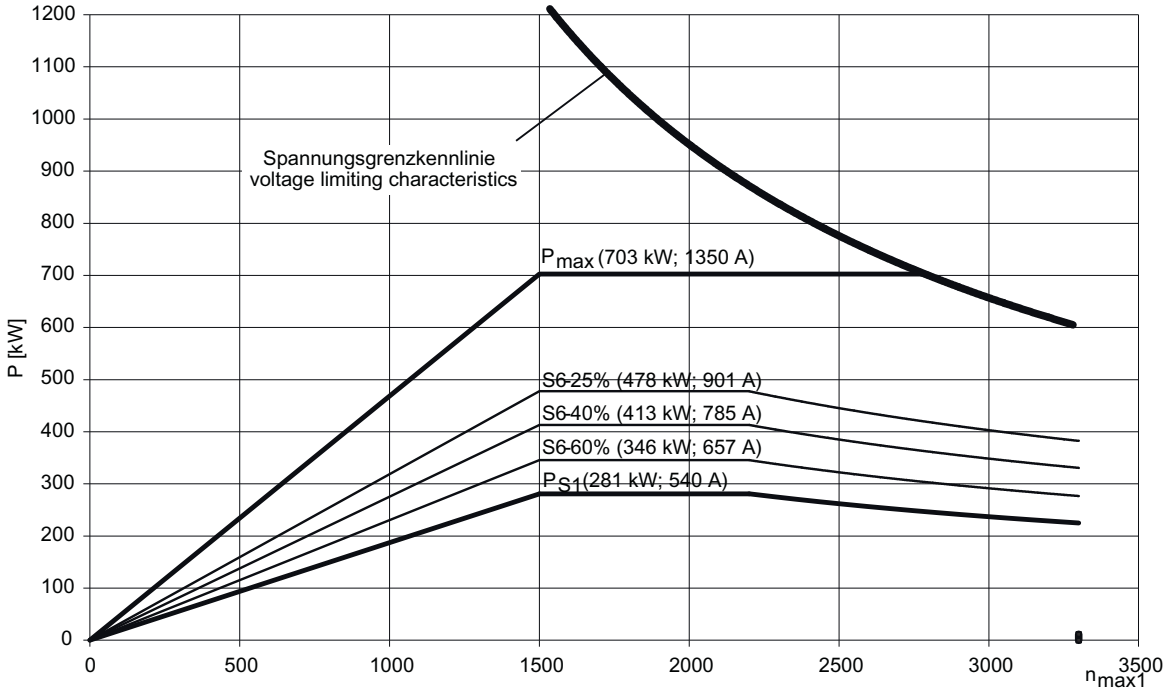


Table 2-444 SINAMICS, 3-ph. 400 V AC, Smart/Basic Line Module, (SLM/BLM), 1PH8286-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	281	1,789	540	3,300	-	-	-	2,200	4,473	1,350	1,789	540



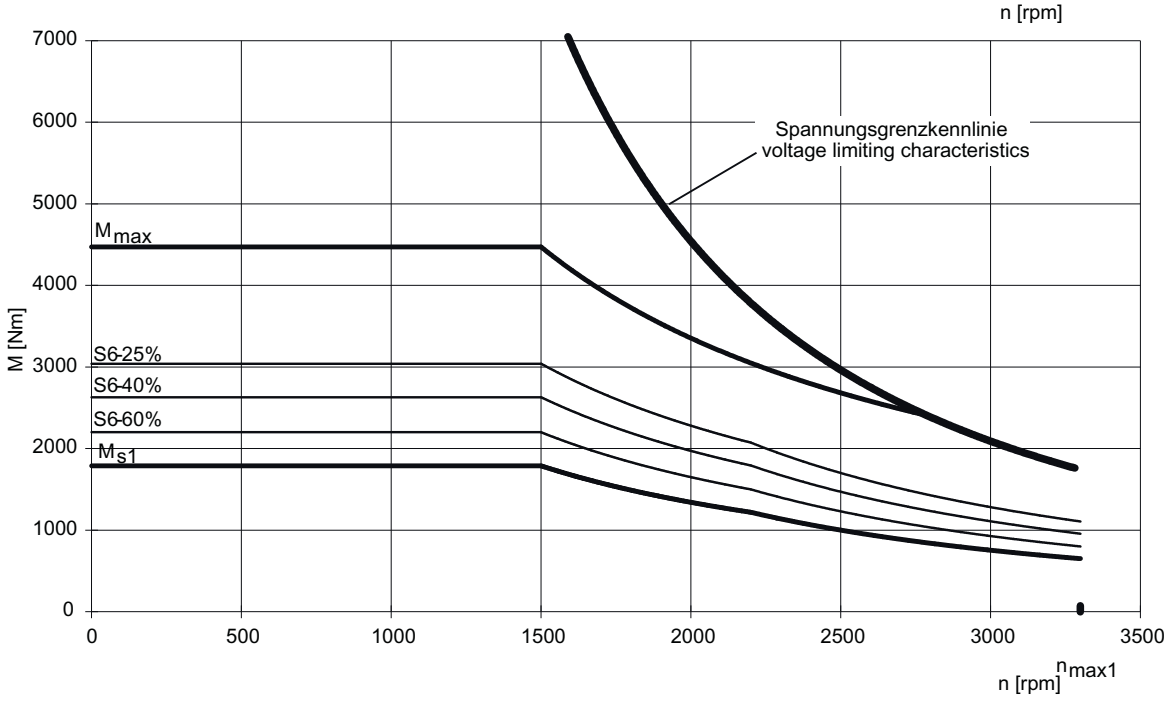


Table 2-445 SINAMICS, 3-ph. 400 V AC, Active Line Module, (ALM), 1PH8286-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	328	1,790	540	3,300	-	-	-	2,300	4,475	1,350	1,790	540
1,500	281	1,790	540					2,800				

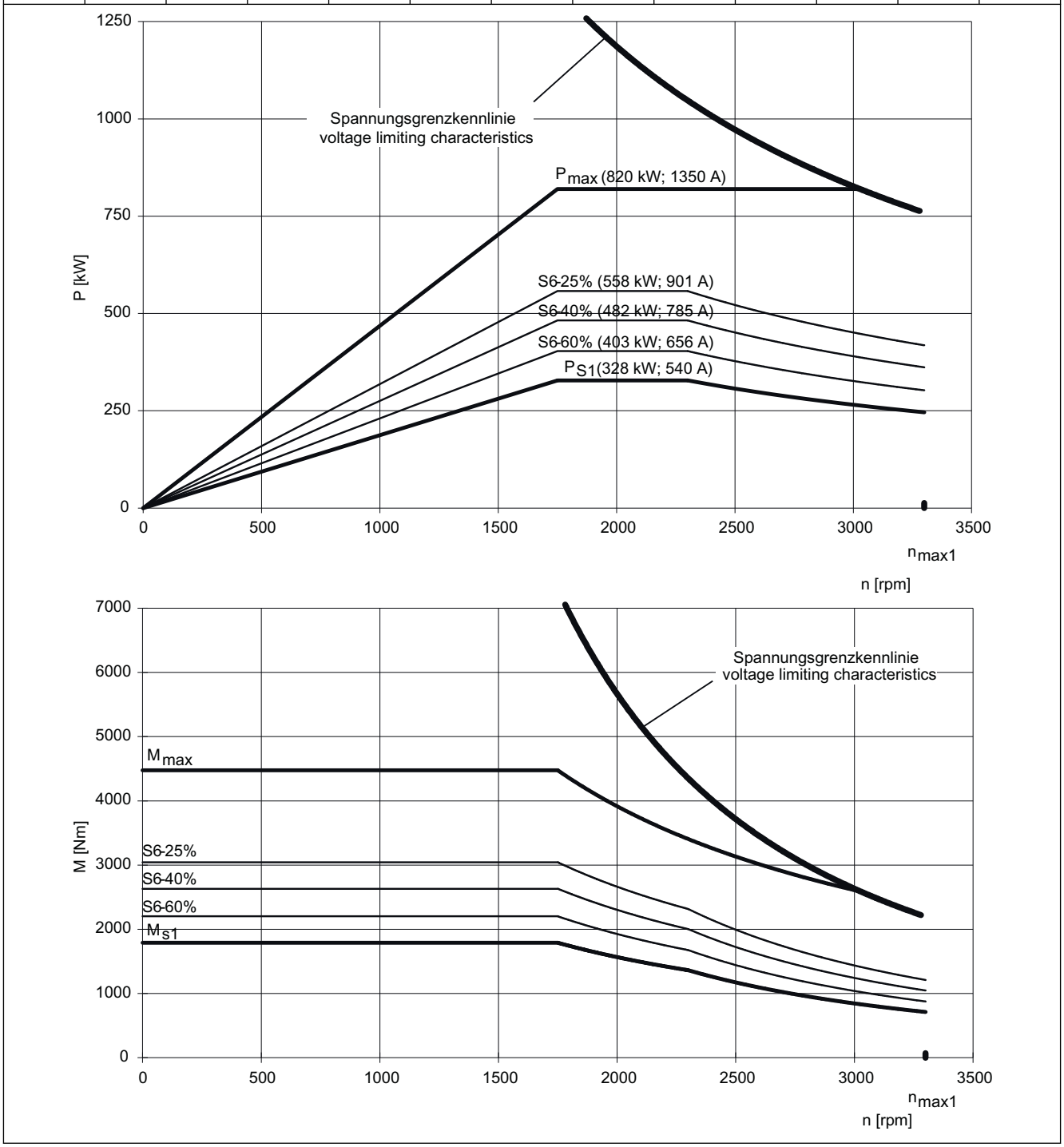
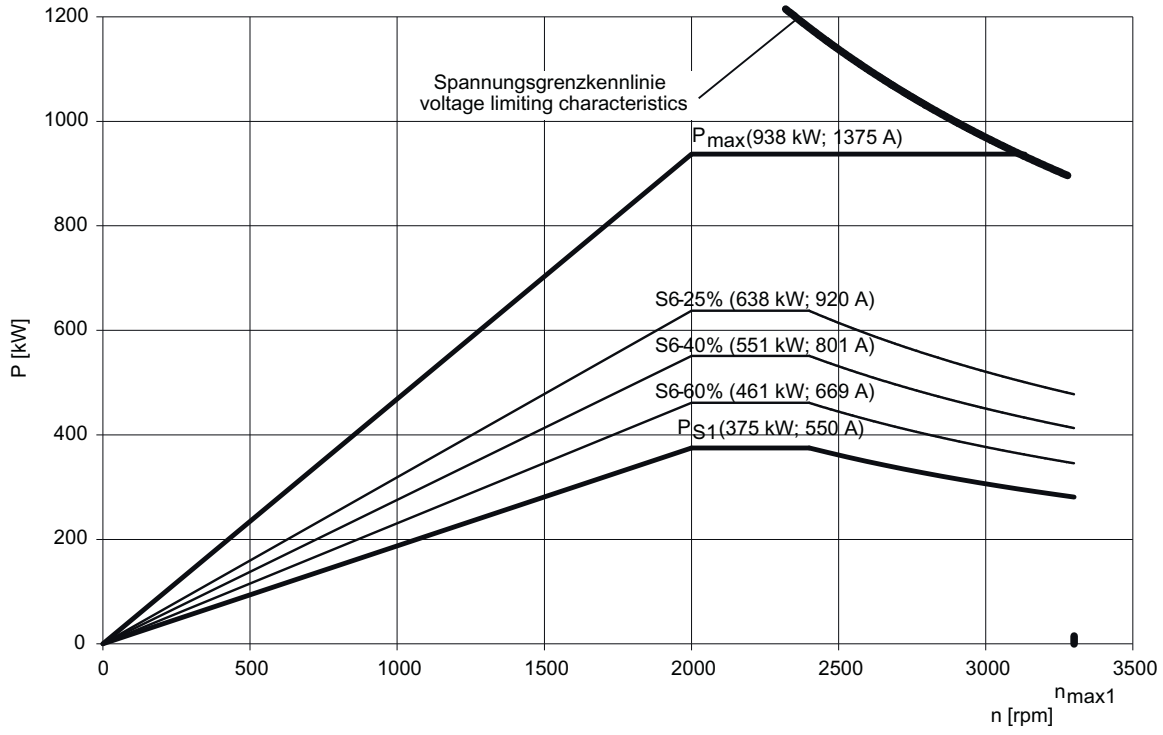


Table 2-446 SINAMICS, 3-ph. 480 V AC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8286-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	375	1,791	550	3,300	-	-	-	2,400	4,477	1,375	1,791	550



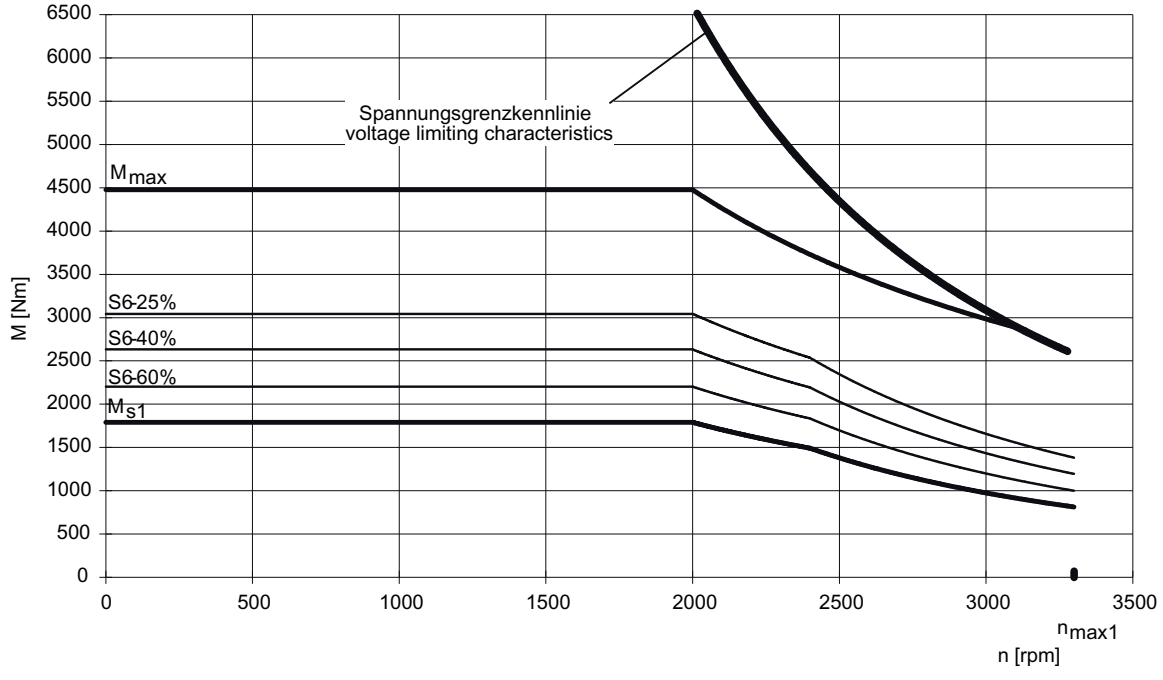
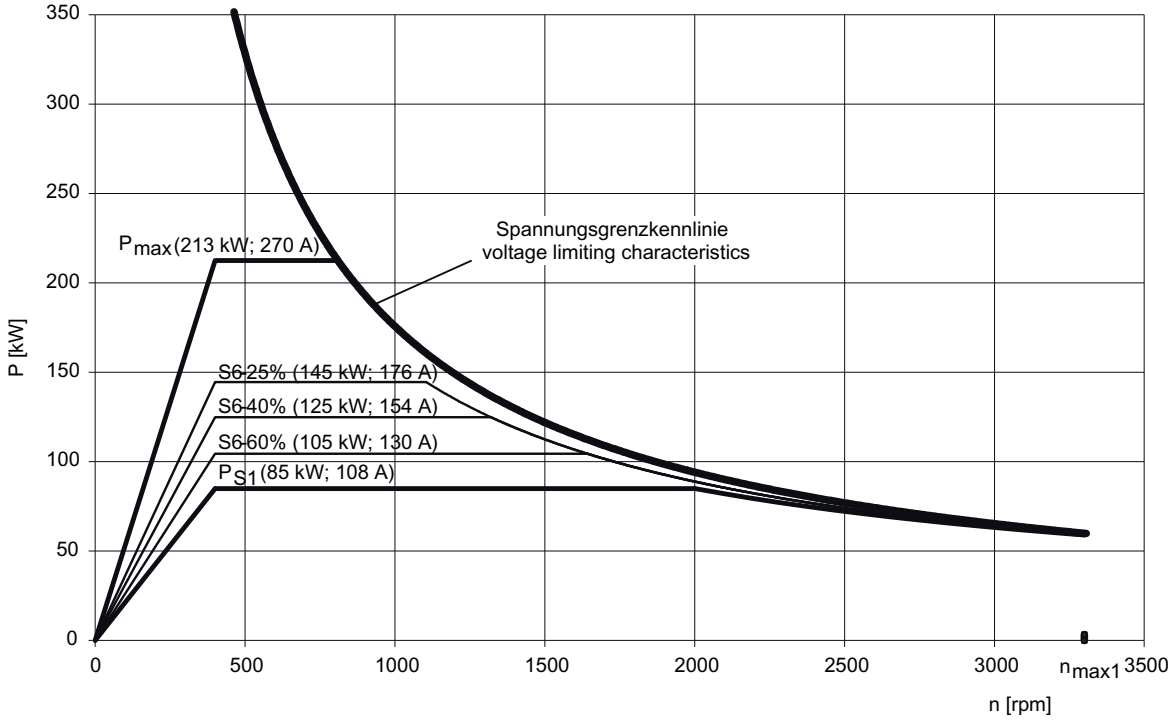


Table 2-447 SINAMICS, 3-ph. 690 V AC, Basic Line Module, (BLM), 1PH8286-□□H2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	85	2,029	108	3,300	-	-	2,000	2,000	5,073	270	2,029	108



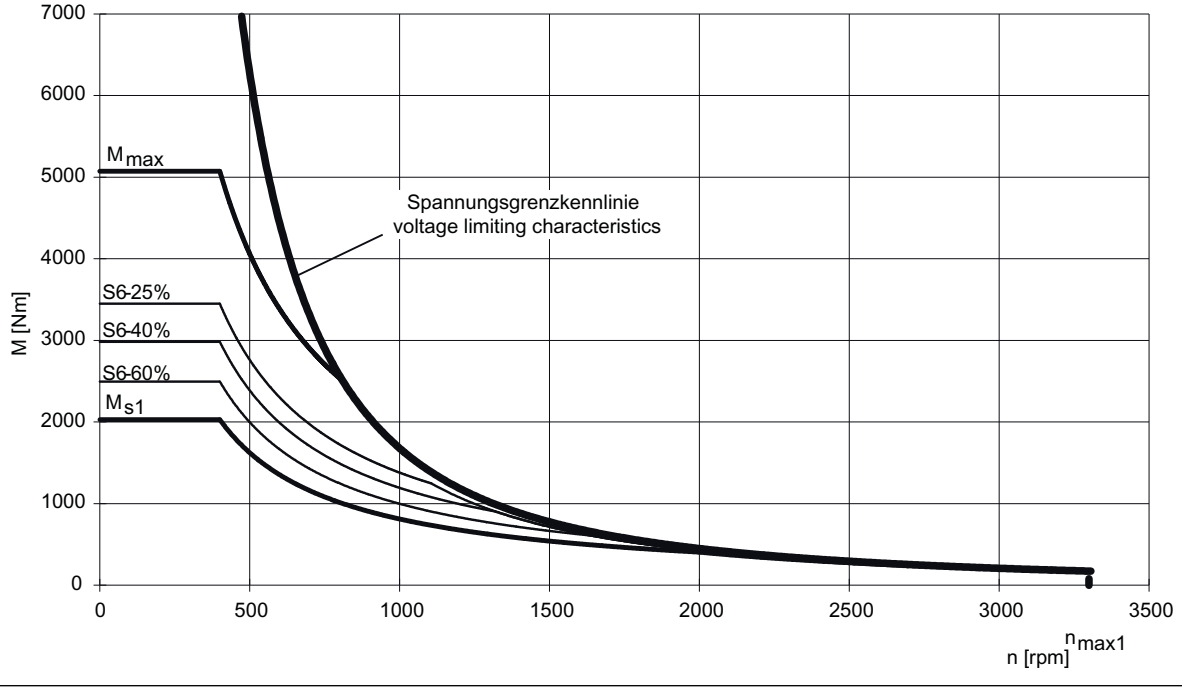
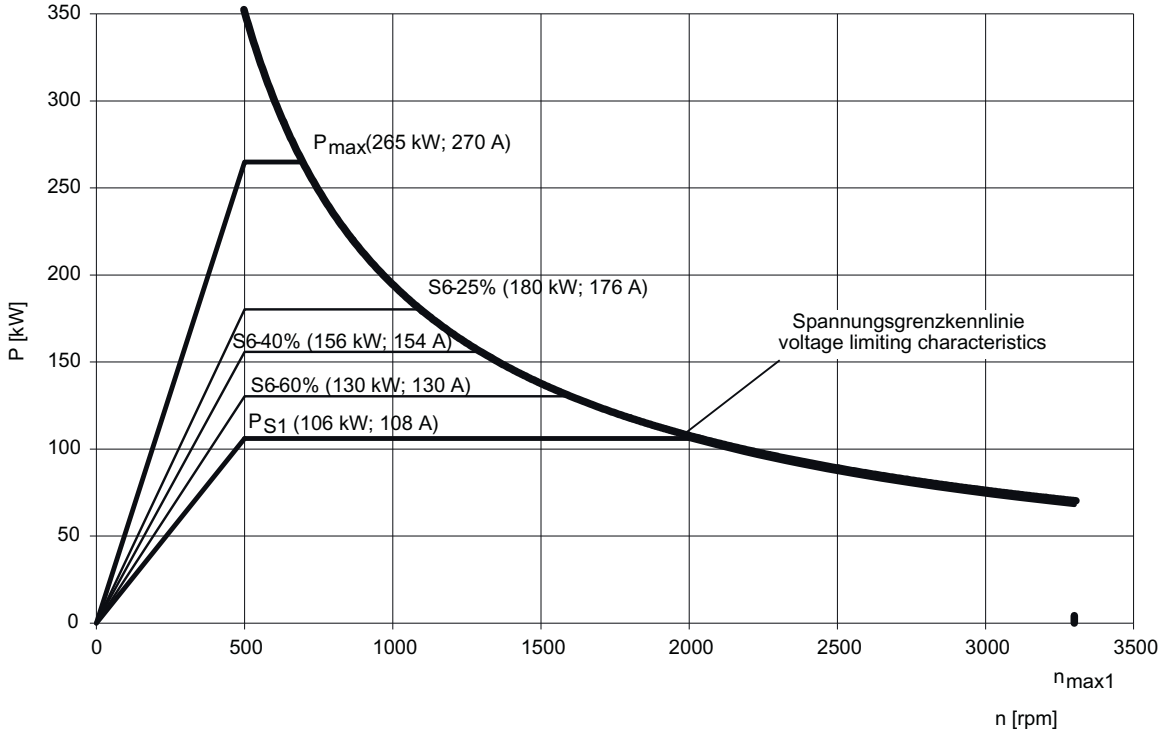


Table 2-448 SINAMICS, 3-ph. 690 V AC, Active Line Module, (ALM), 1PH8286-□□H2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	106	2,025	108	3,300	-	-	-	2,000	5,062	270	2,025	108
400	85	2,025	108					2,600				



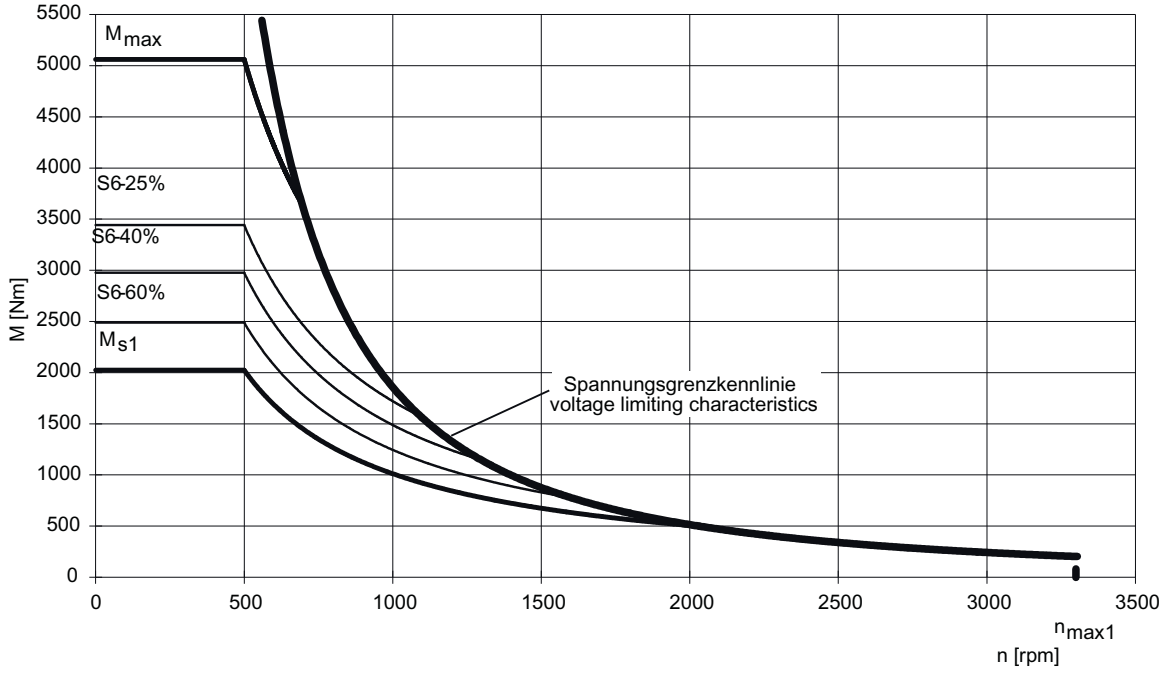


Table 2-449 SINAMICS, 3-ph. 690 V AC, Basic Line Module, (BLM), 1PH8286-□□K2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	148	2,019	174	3,300	-	-	-	2,200	5,048	435	2,019	174

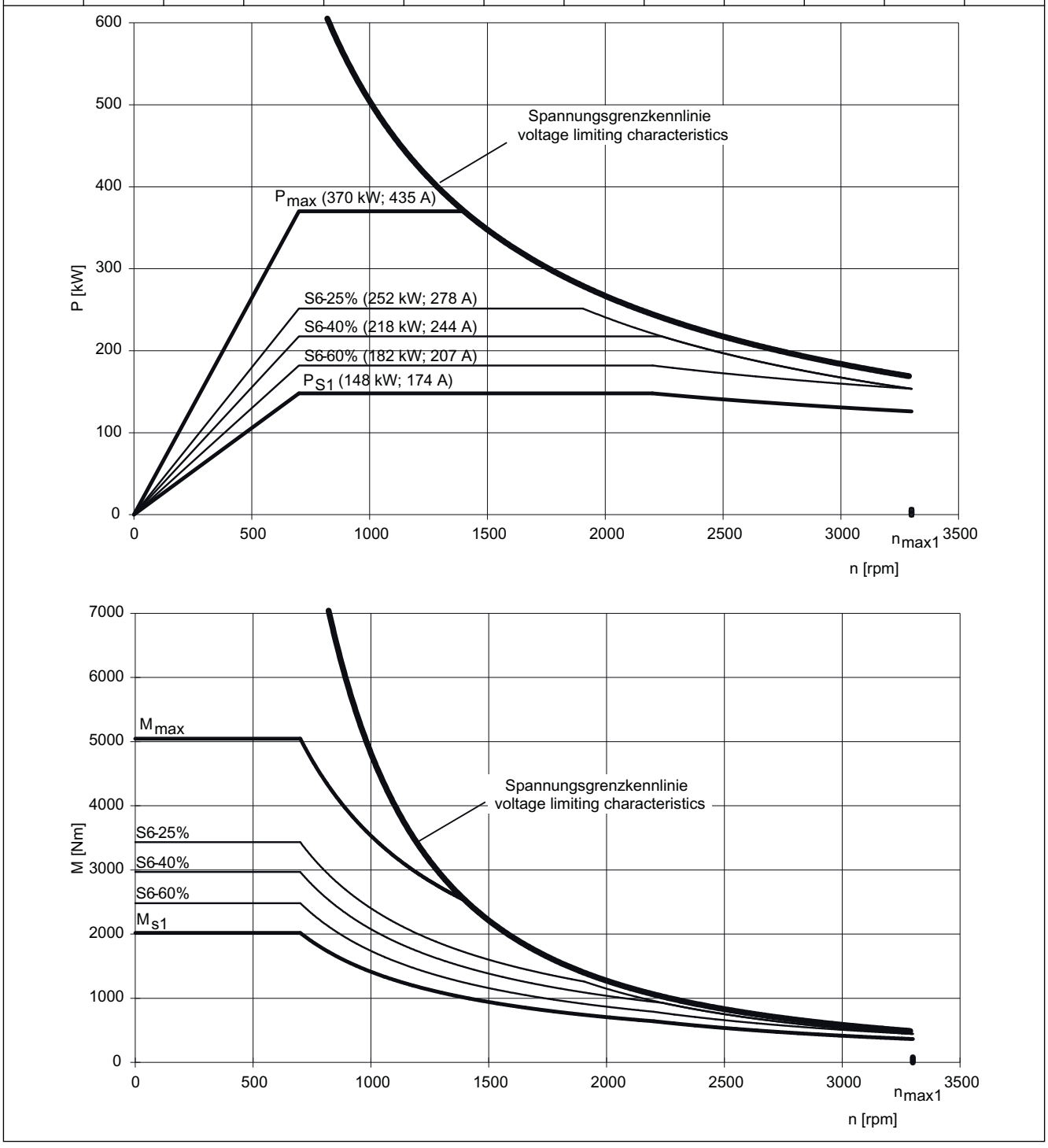
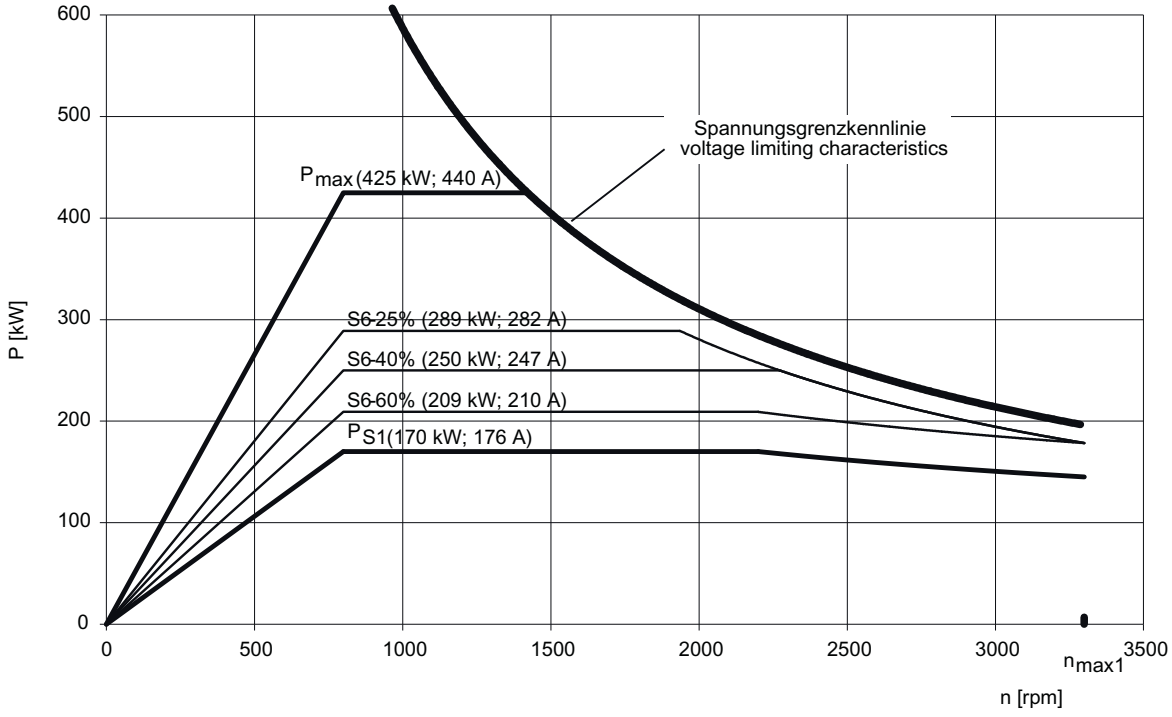


Table 2-450 SINAMICS, 3-ph. 690 V AC, Active Line Module, (ALM), 1PH8286-□□K2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	170	2,029	176	3,300	-	-	-	2,200	5,073	440	2,029	176
700	149	2,029	176					3,100				



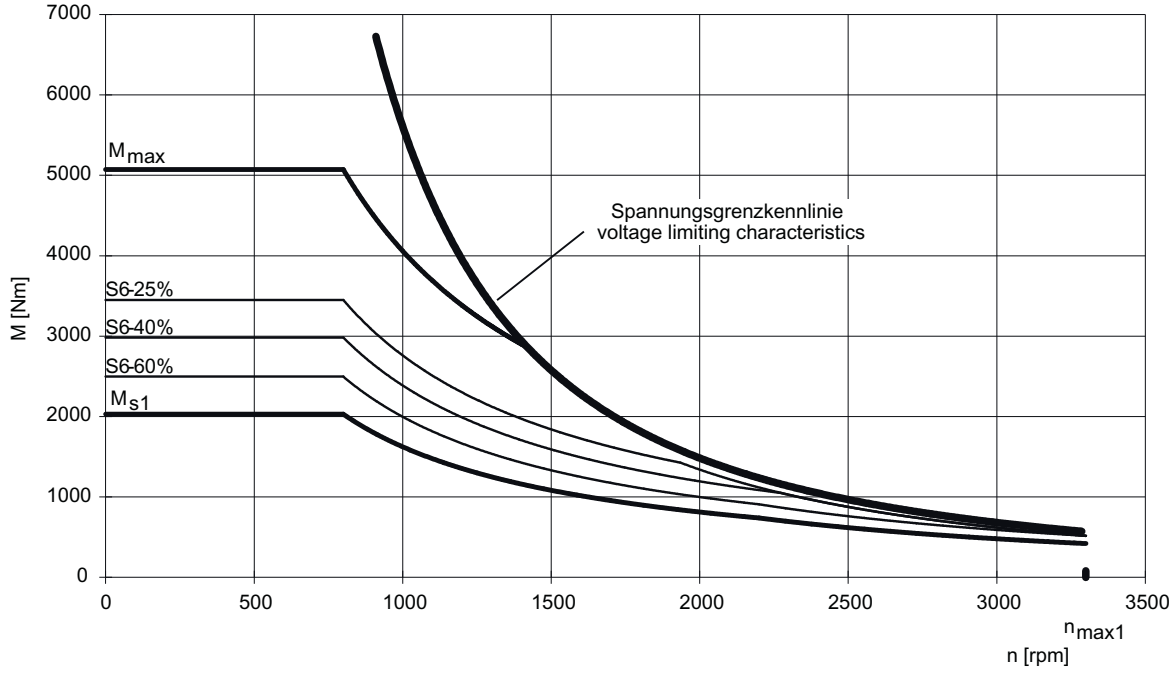


Table 2-451 SINAMICS, 3-ph. 690 V AC, Basic Line Module, (BLM), 1PH8286-□□U2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	208	1,986	260	3,300	-	-	-	2,200	4,966	650	1,986	260

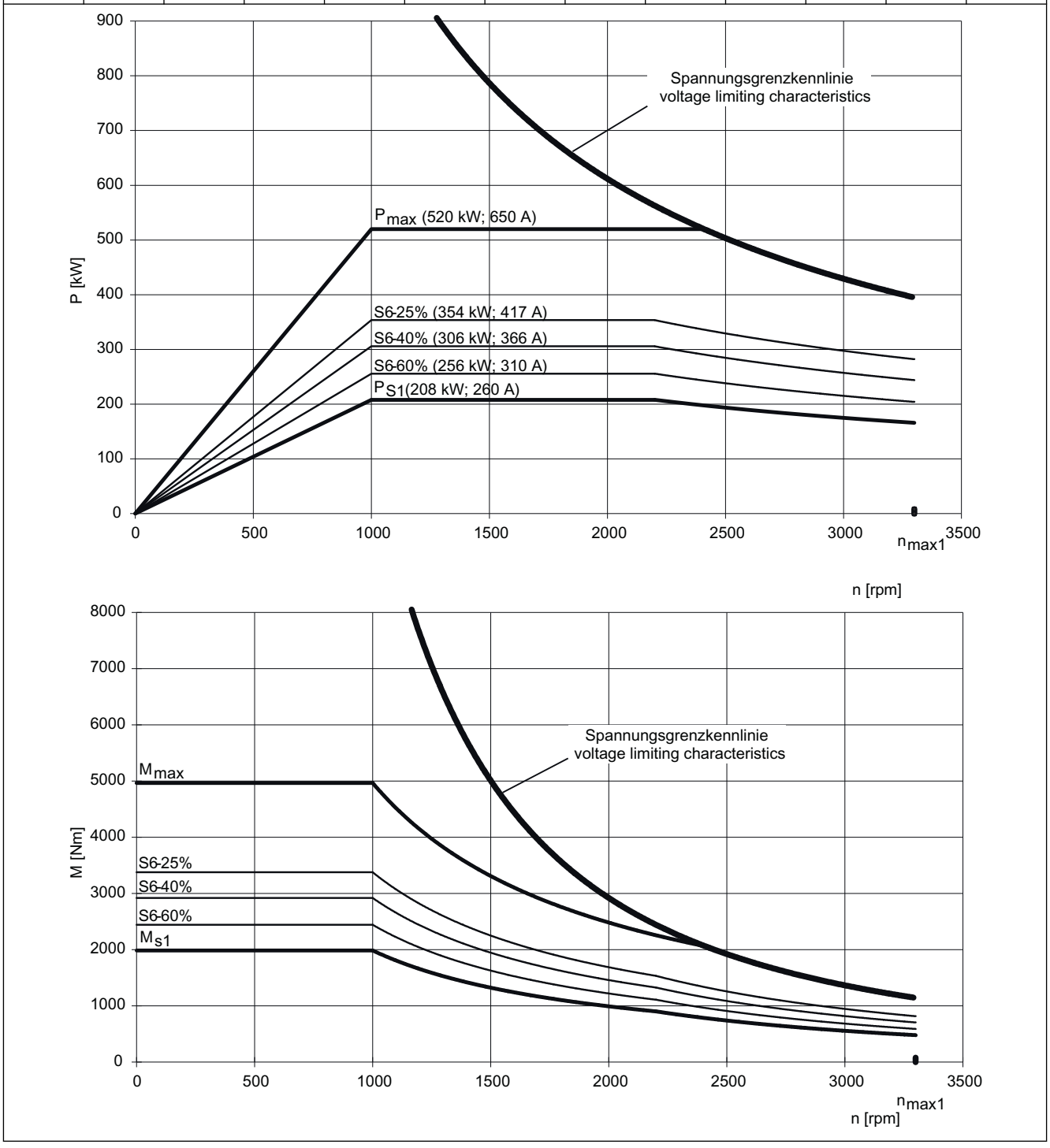
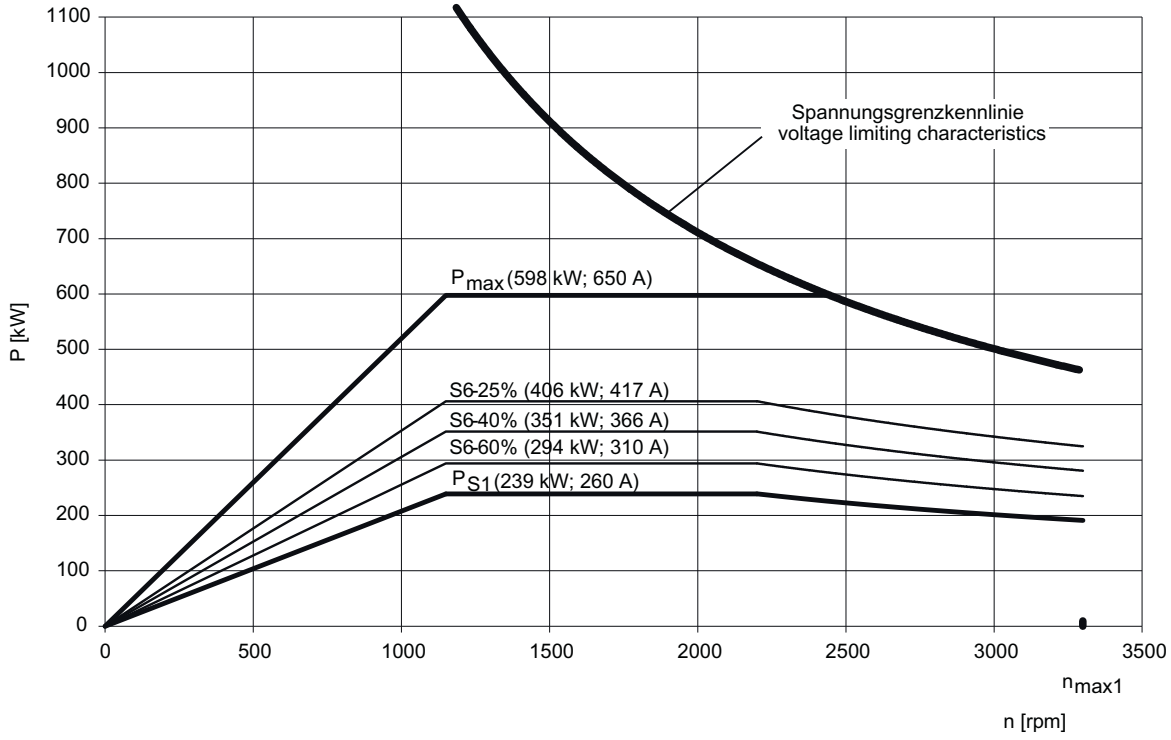


Table 2-452 SINAMICS, 3-ph. 690 V AC, Active Line Module, (ALM), 1PH8286-□□U2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	239	1,985	260	3,300	-	-	-	2,200	4,962	650	1,985	260
1,000	208	1,985	260					2,800				



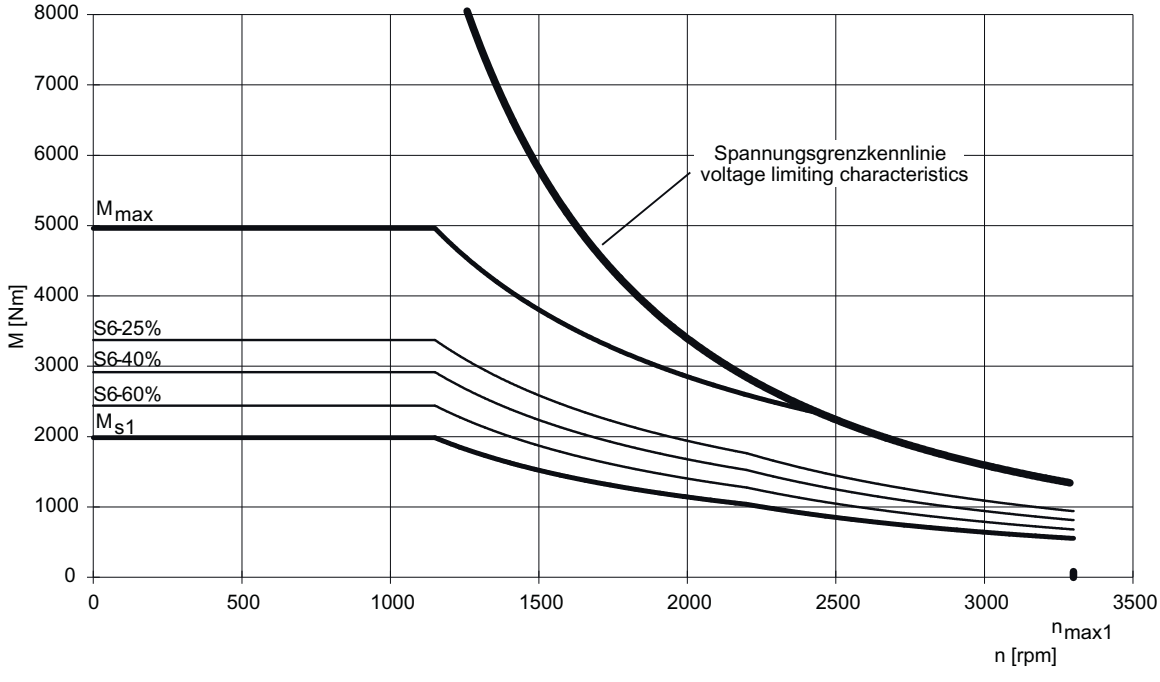


Table 2-453 SINAMICS, 3-ph. 690 V AC, Basic Line Module, (BLM), 1PH8286-□□W2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	273	1,738	310	3,300	-	-	-	2,200	4,345	775	1,738	310

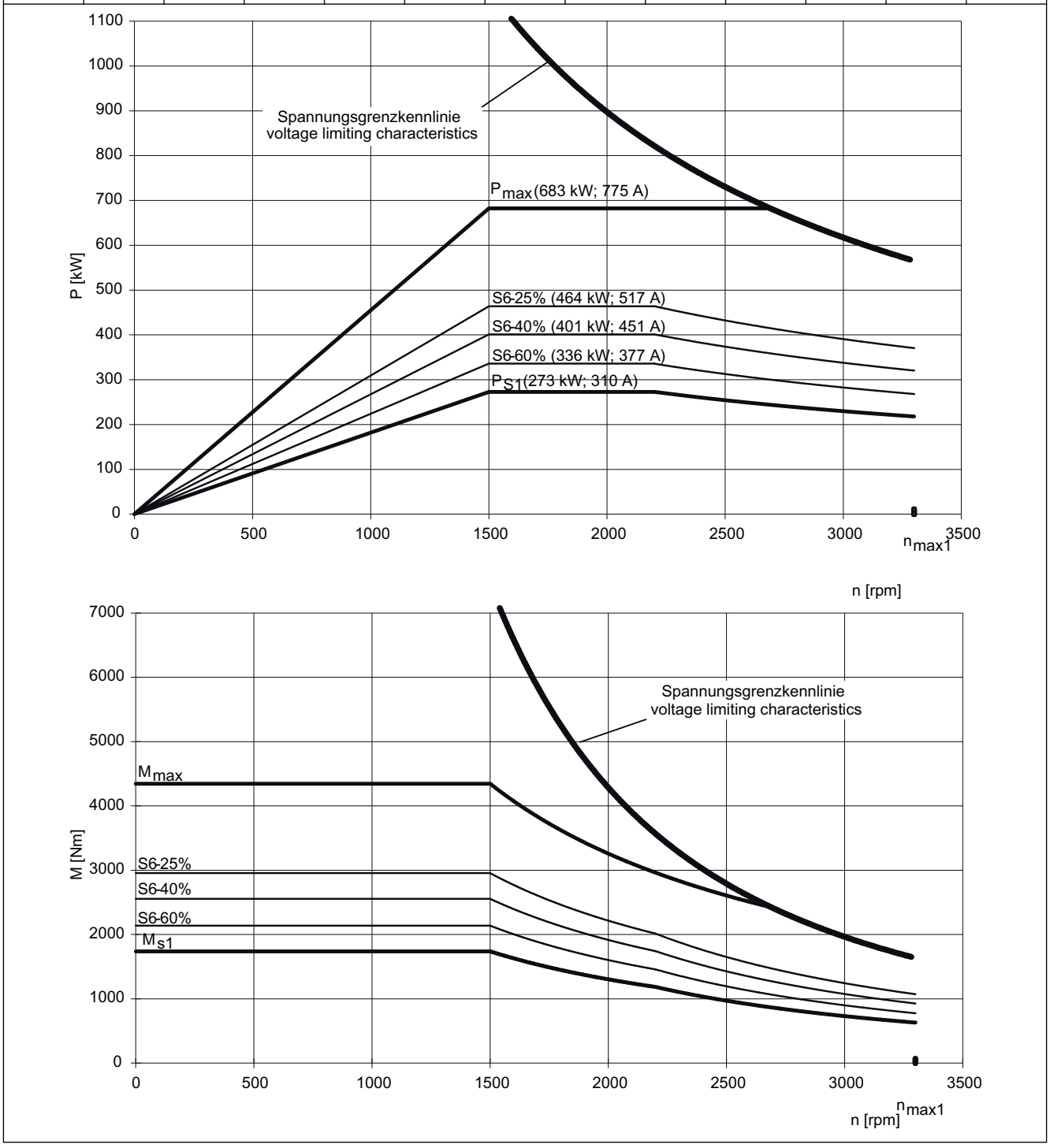


Table 2-454 SINAMICS, 3-ph. 690 V AC, Active Line Module, (ALM), 1PH8286-□□W2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	318	1,735	305	3,300	-	-	-	2,300	4,338	763	1,735	305
1,500	273	1,735	305					2,800				

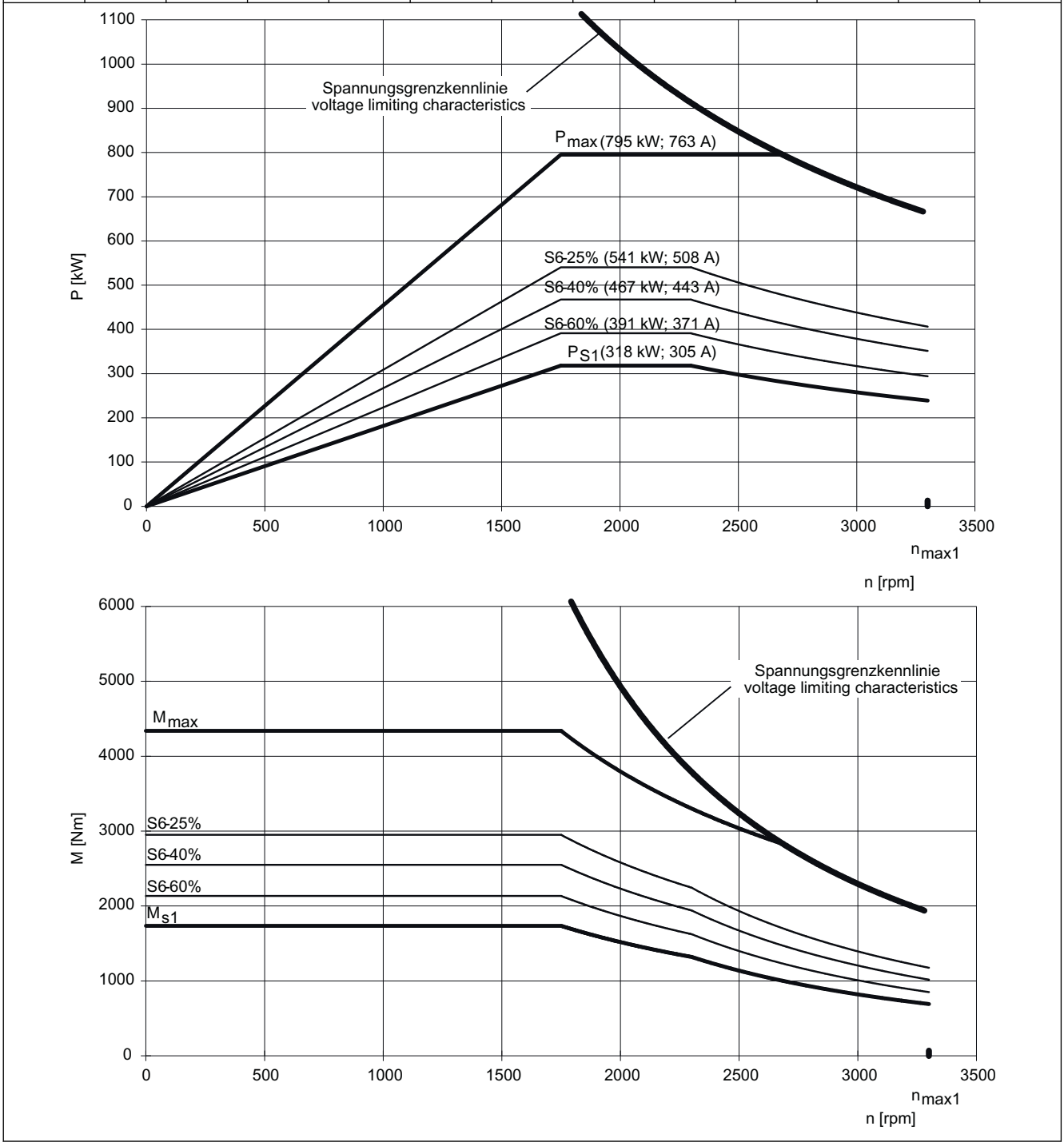
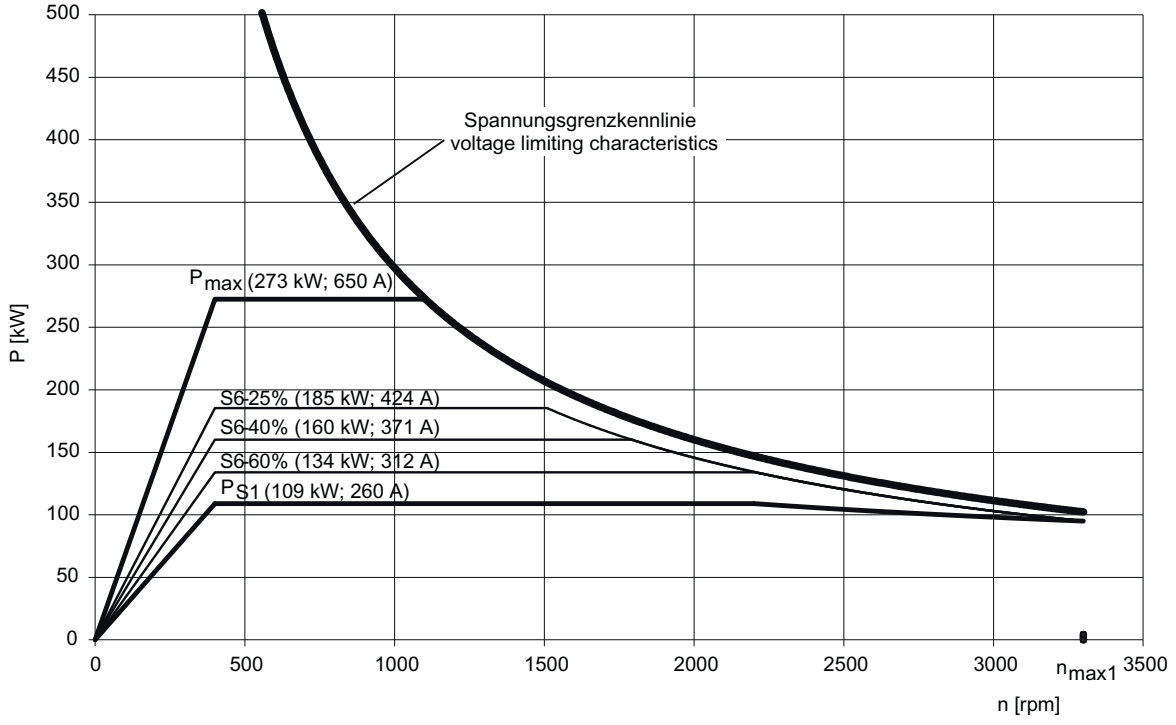


Table 2-455 SINAMICS, 3-ph. 400 V AC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	109	2,602	260	3,300	-	-	-	2,200	6,506	650	2,602	260



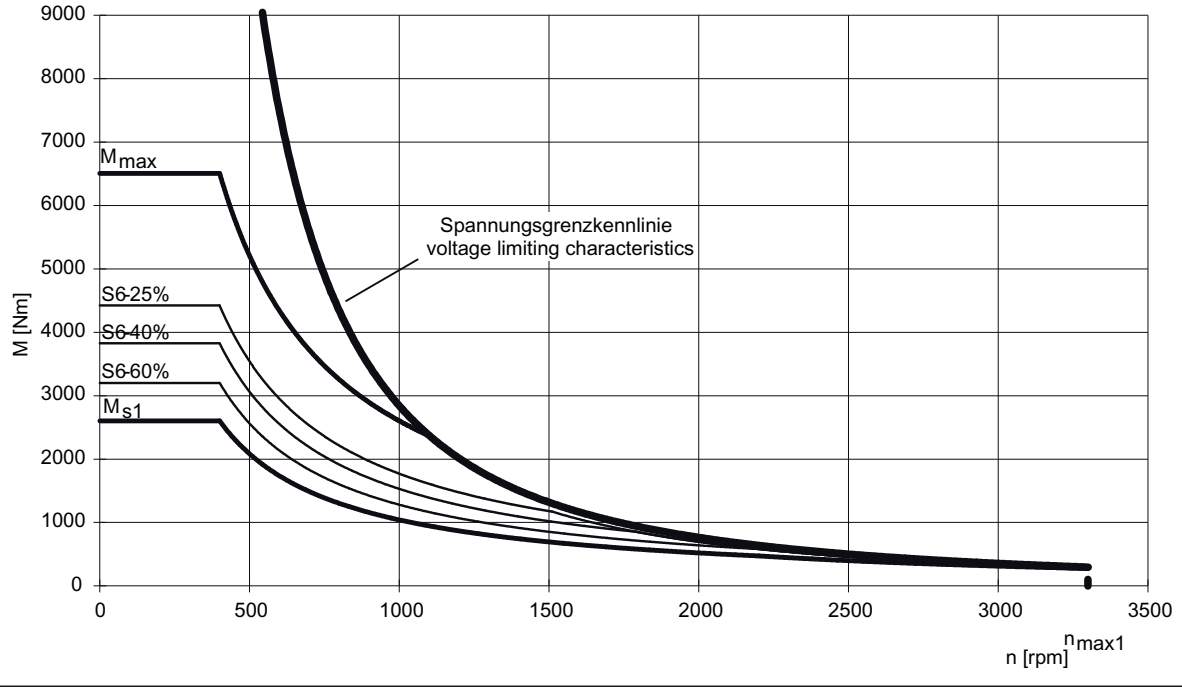
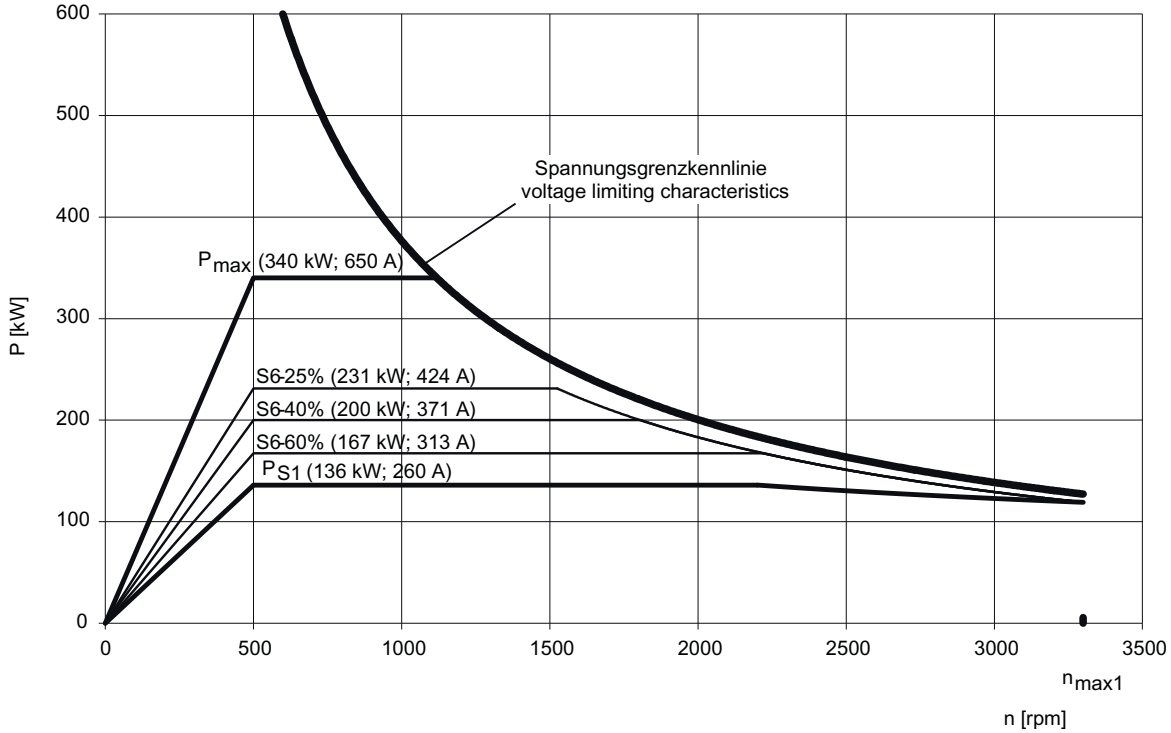


Table 2-456 SINAMICS, 3-ph. 400 V AC, Active Line Module, (ALM), 1PH8288-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	136	2,598	260	3,300	-	-	-	2,200	6,494	650	2,598	260
400	109	2,598	260					3,300				



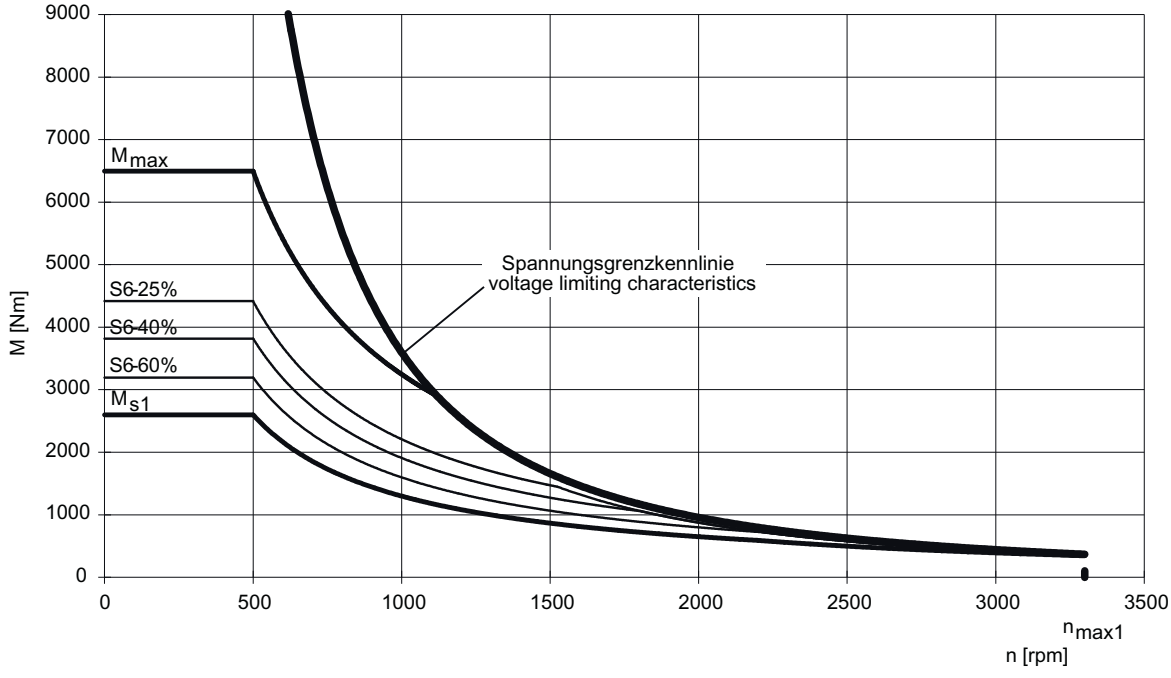
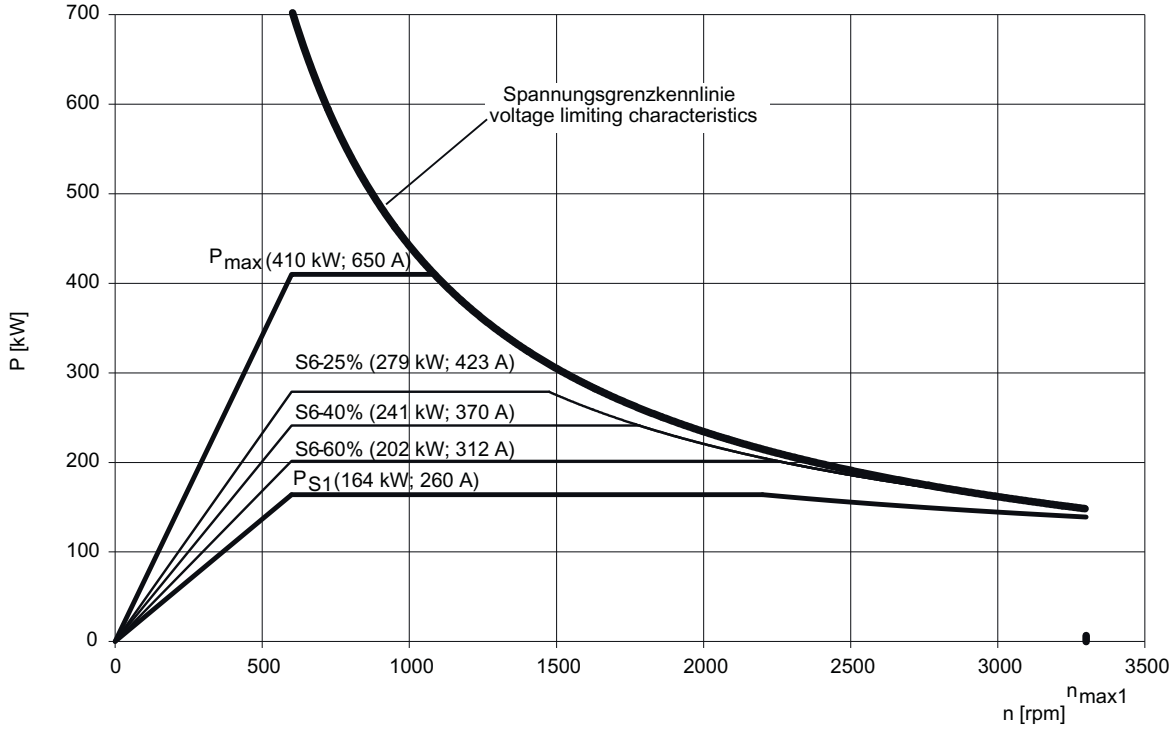


Table 2-457 SINAMICS, 3-ph. 480 V AC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8288-□□B2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
600	164	2,610	260	3,300	-	-	-	2,200	6,526	650	2,610	260



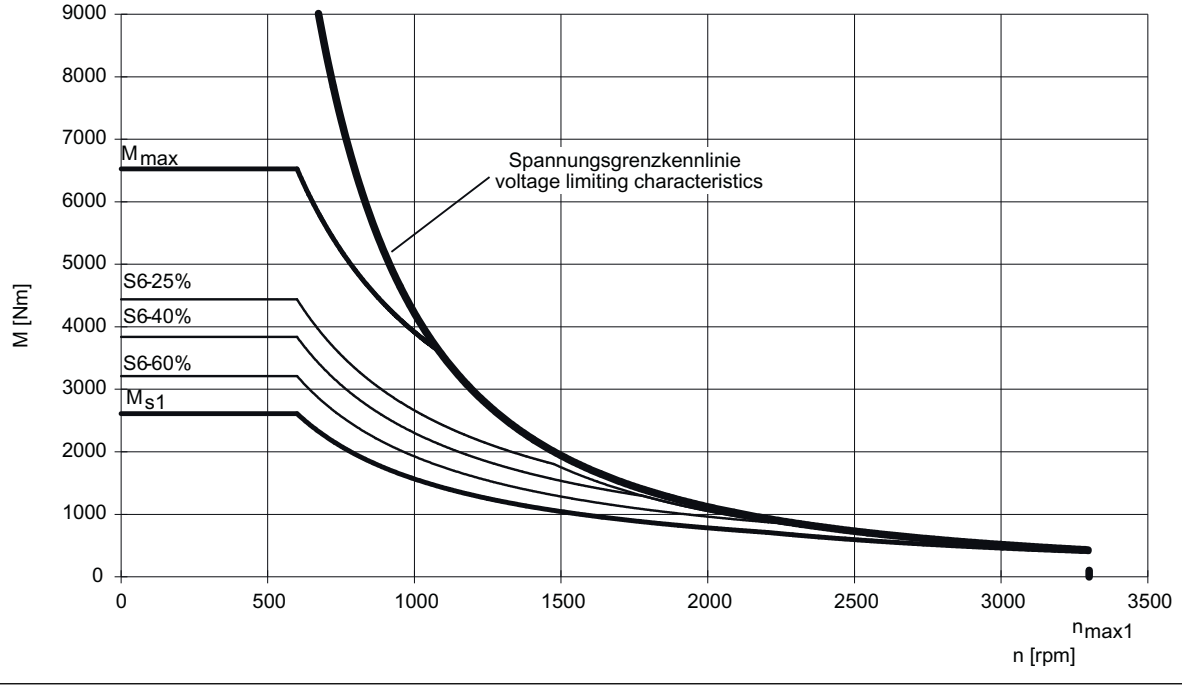
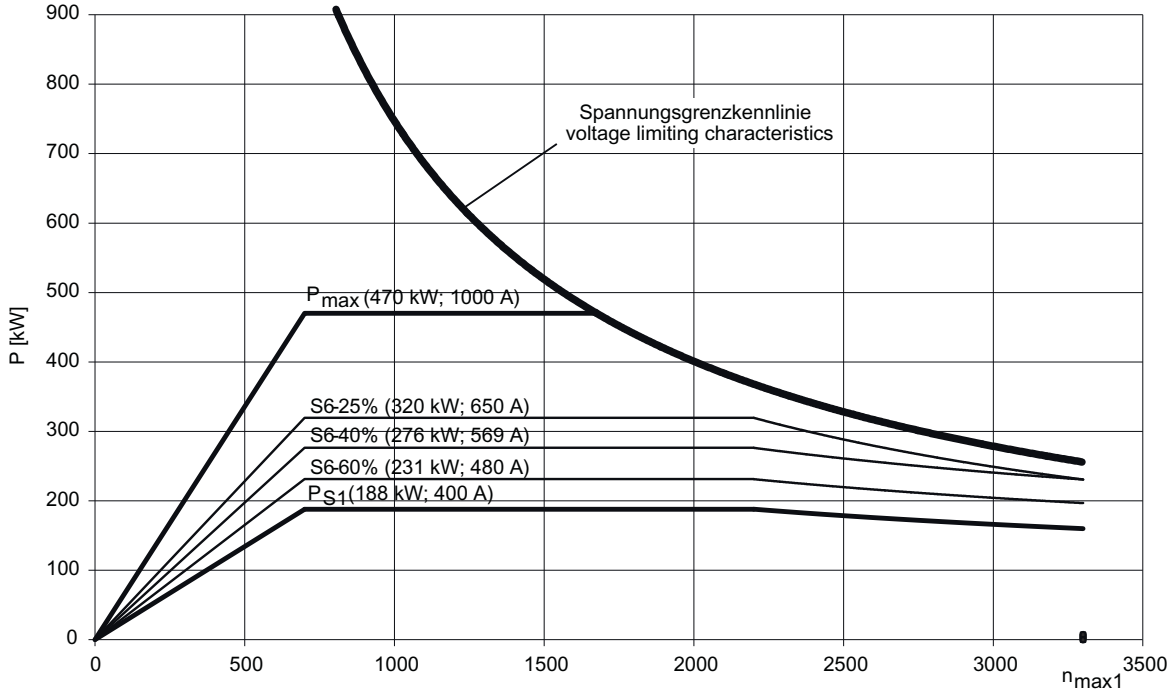


Table 2-458 SINAMICS, 3-ph. 400 V AC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	188	2,565	400	3,300	-	-	-	2,200	6,412	1,000	2,565	400



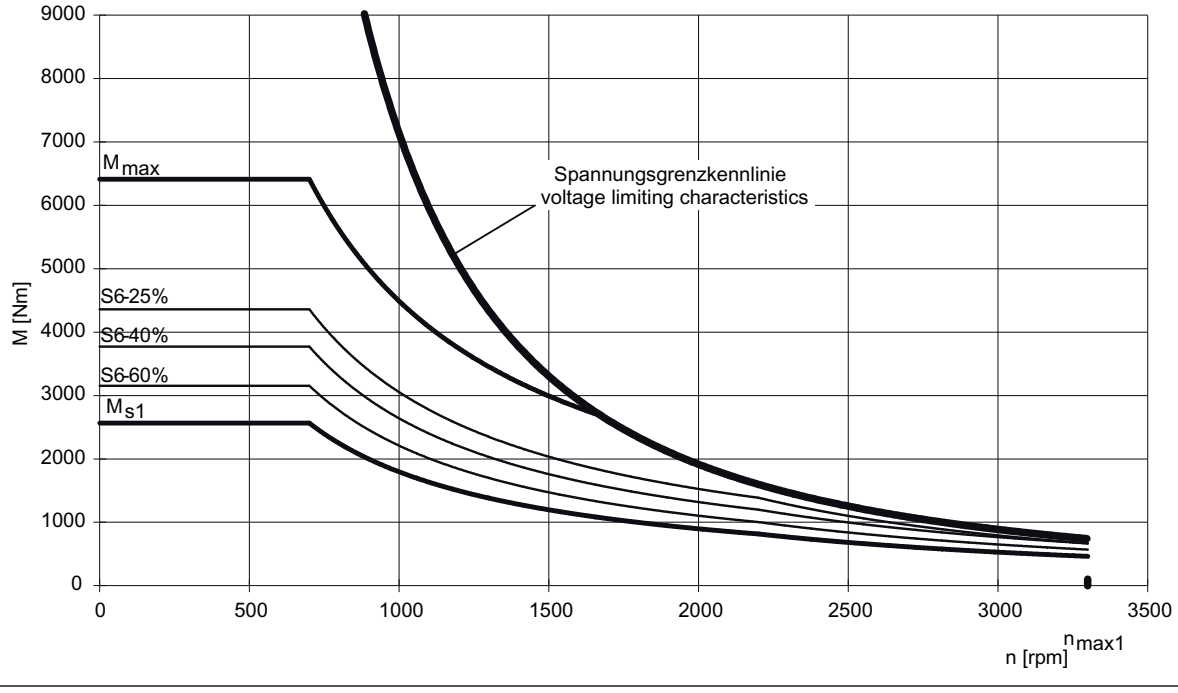
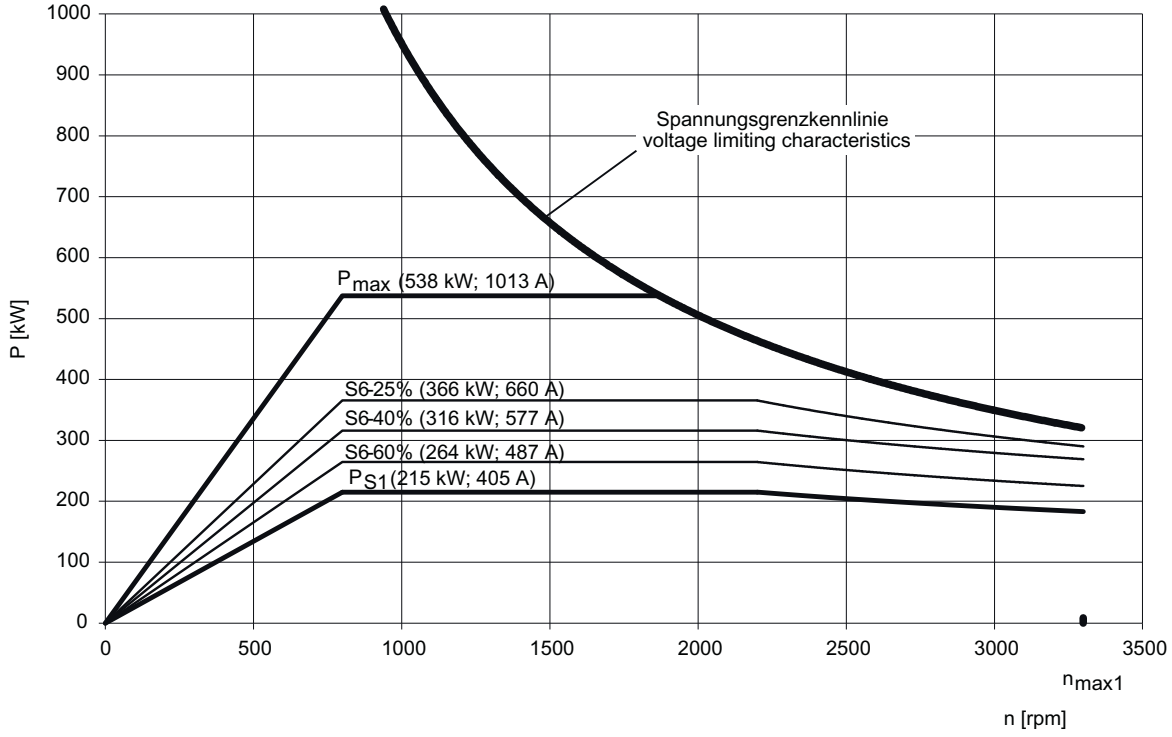


Table 2-459 SINAMICS, 3-ph. 400 V AC, Active Line Module, (ALM), 1PH8288-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	215	2,567	405	3,300	-	-	-	2,200	6,416	1,013	2,567	405
700	188	2,567	405					3,100				



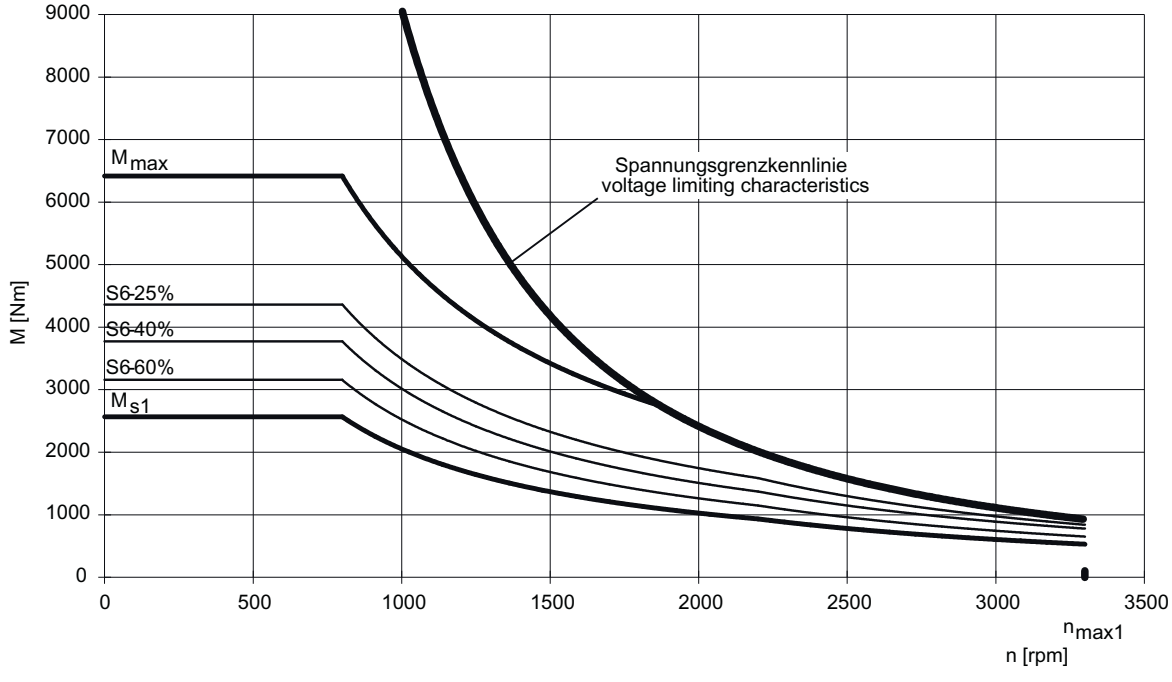


Table 2-460 SINAMICS, 3-ph. 480 V AC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8288-□□C2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	269	2,569	405	3,300	-	-	-	2,200	6,422	1,013	2,569	405

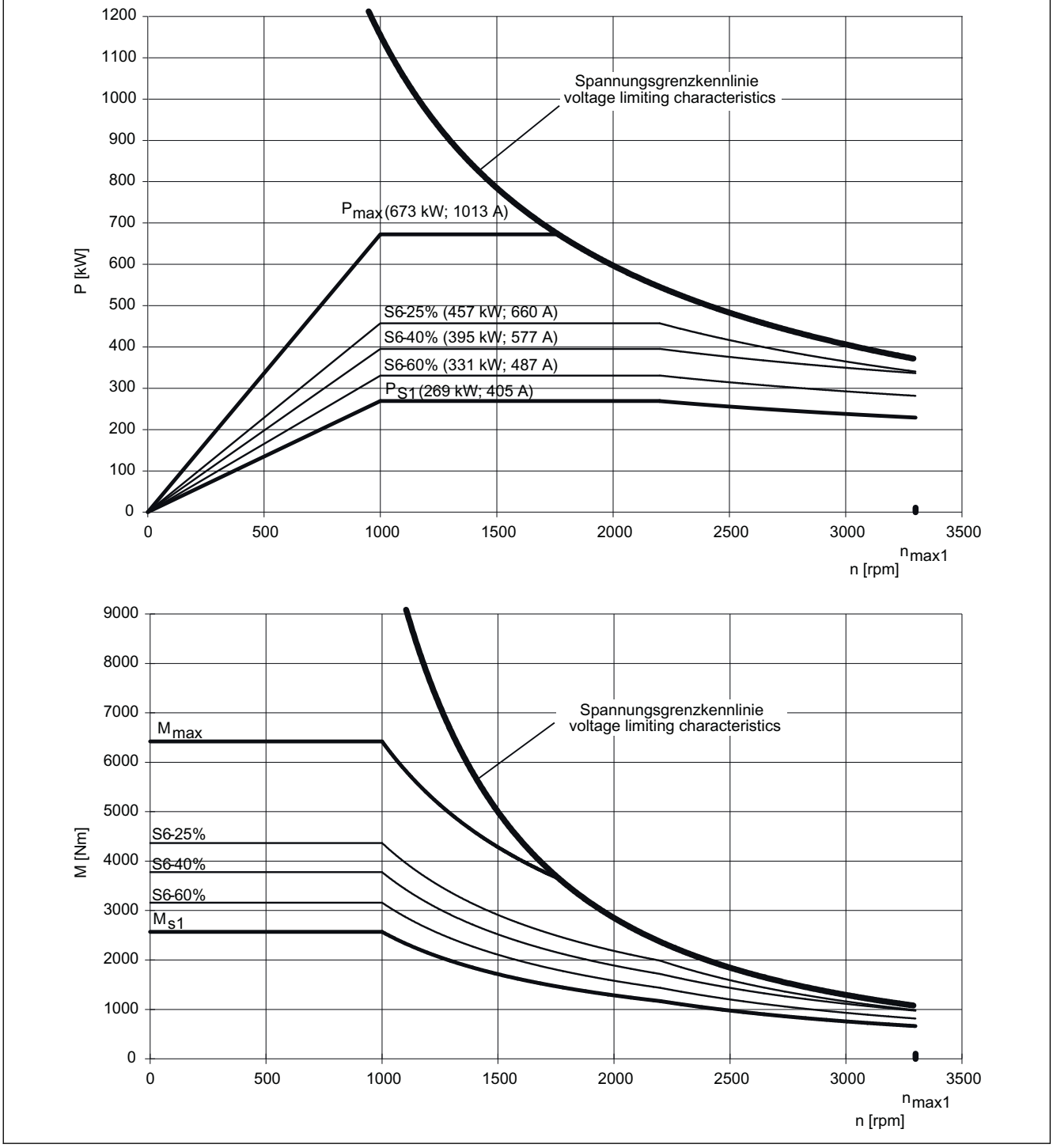


Table 2-461 SINAMICS, 3-ph. 400 V AC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	264	2,521	550	3,300	-	-	-	2,200	6,303	1,375	2,521	550

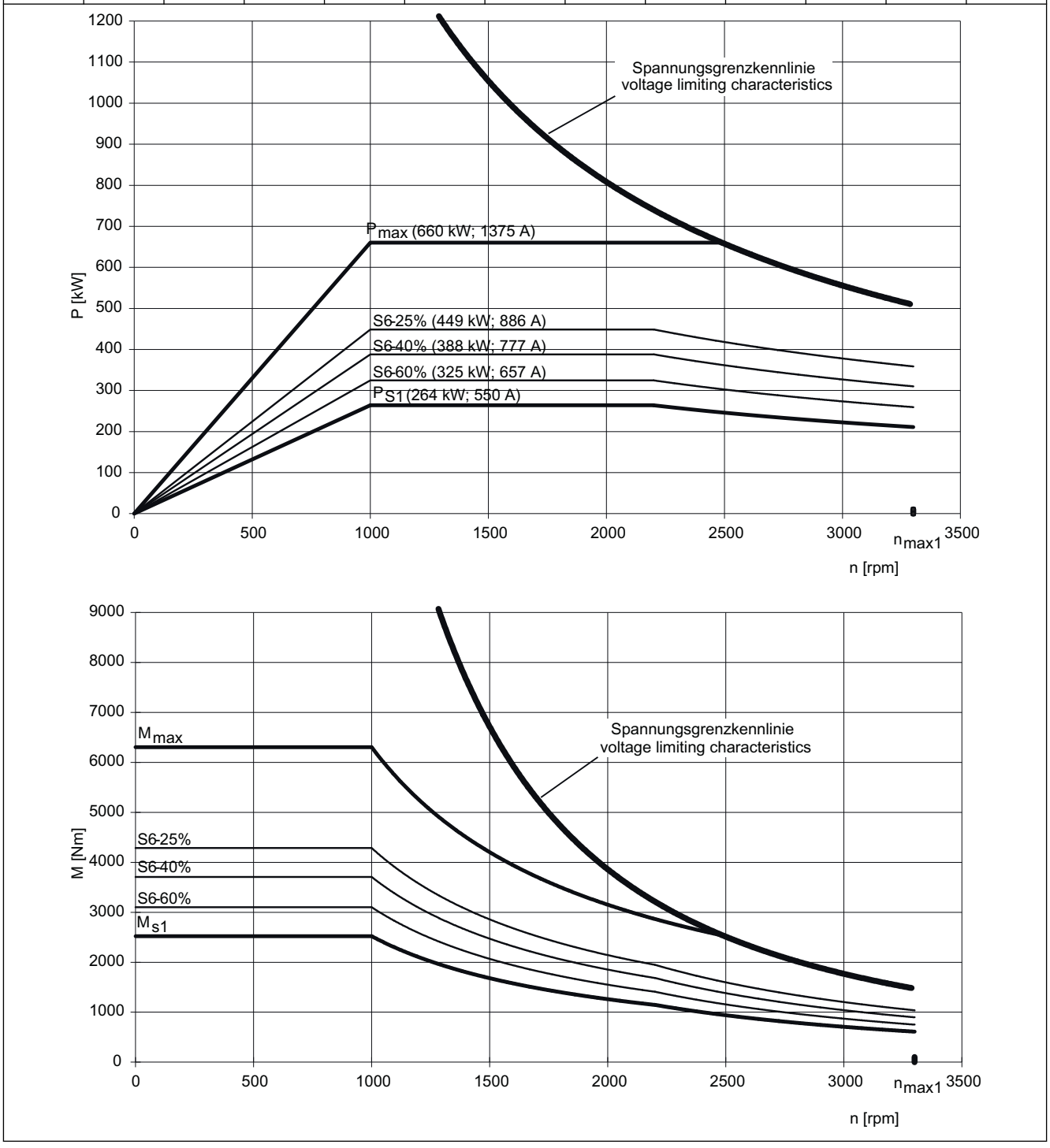


Table 2-462 SINAMICS, 3-ph. 400 V AC, Active Line Module, (ALM), 1PH8288-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	304	2,525	550	3,300	-	-	-	2,300	6,311	1,375	2,525	550
1,000	264	2,525	550					2,900				

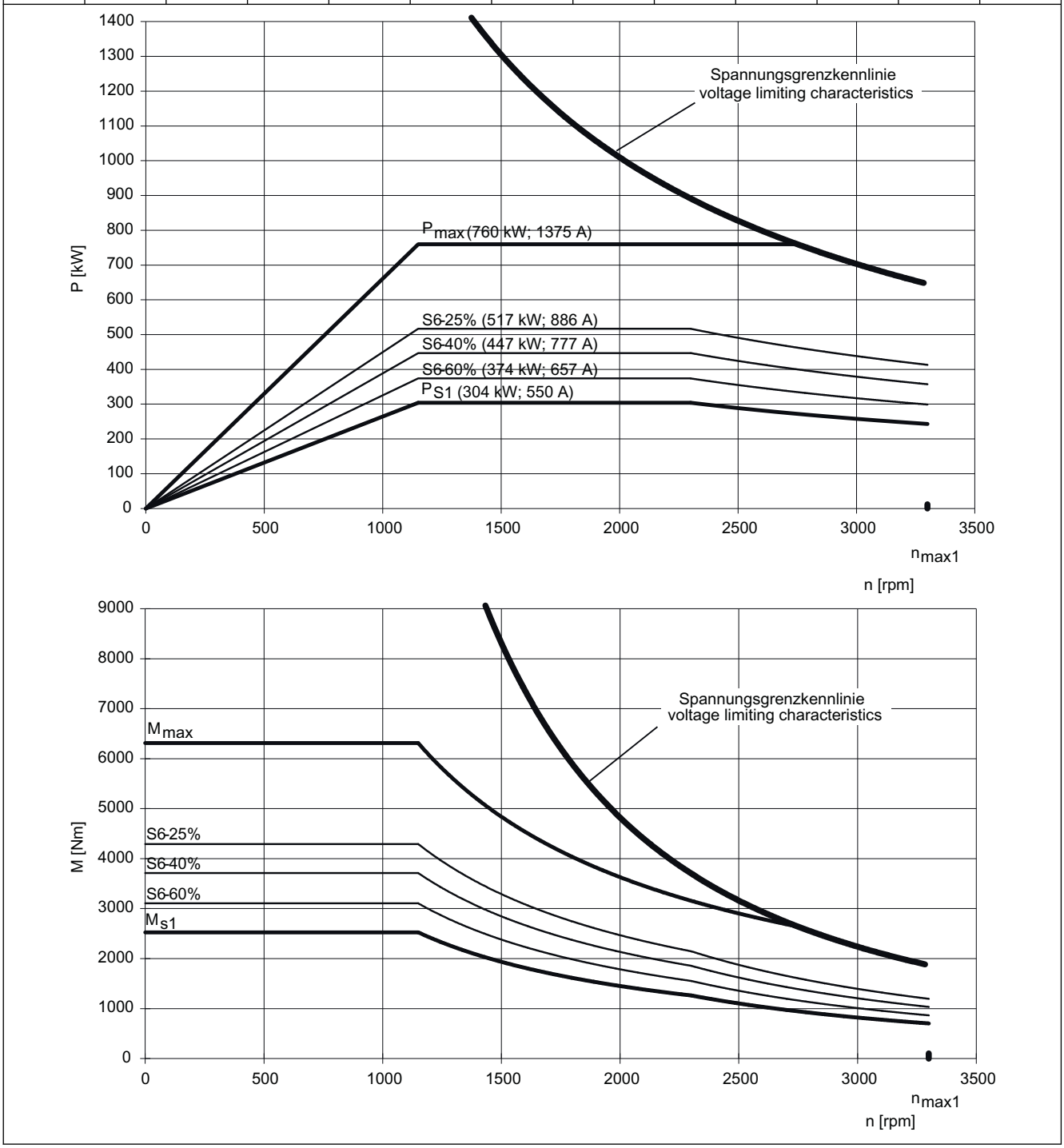


Table 2-463 SINAMICS, 3-ph. 480 V AC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8288-□□D2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,350	357	2,525	550	3,300	-	-	-	2,400	6,314	1,375	2,525	550

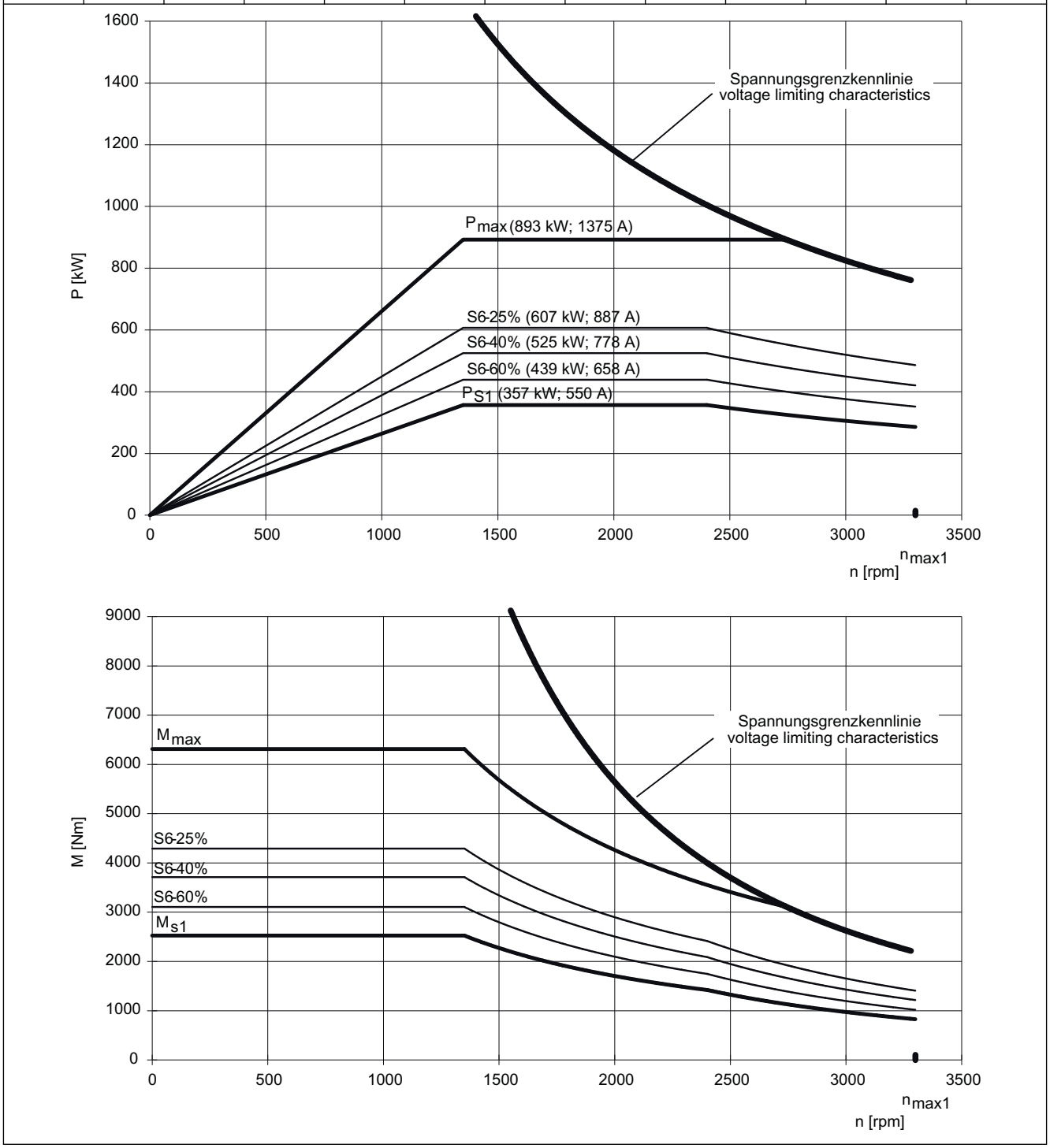
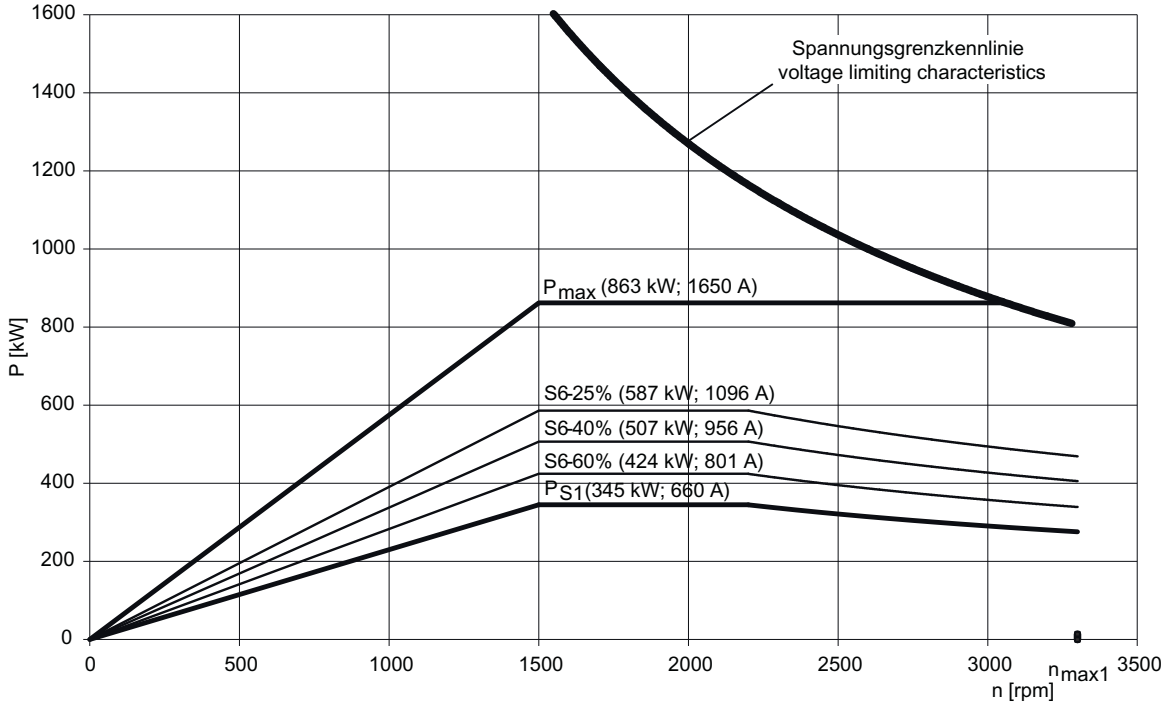


Table 2-464 SINAMICS, 3-ph. 400 V AC, Smart/Basic Line Module, (SLM/BLM), 1PH8288-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	345	2,197	660	3,300	-	-	-	2,200	5,491	1,650	2,197	660



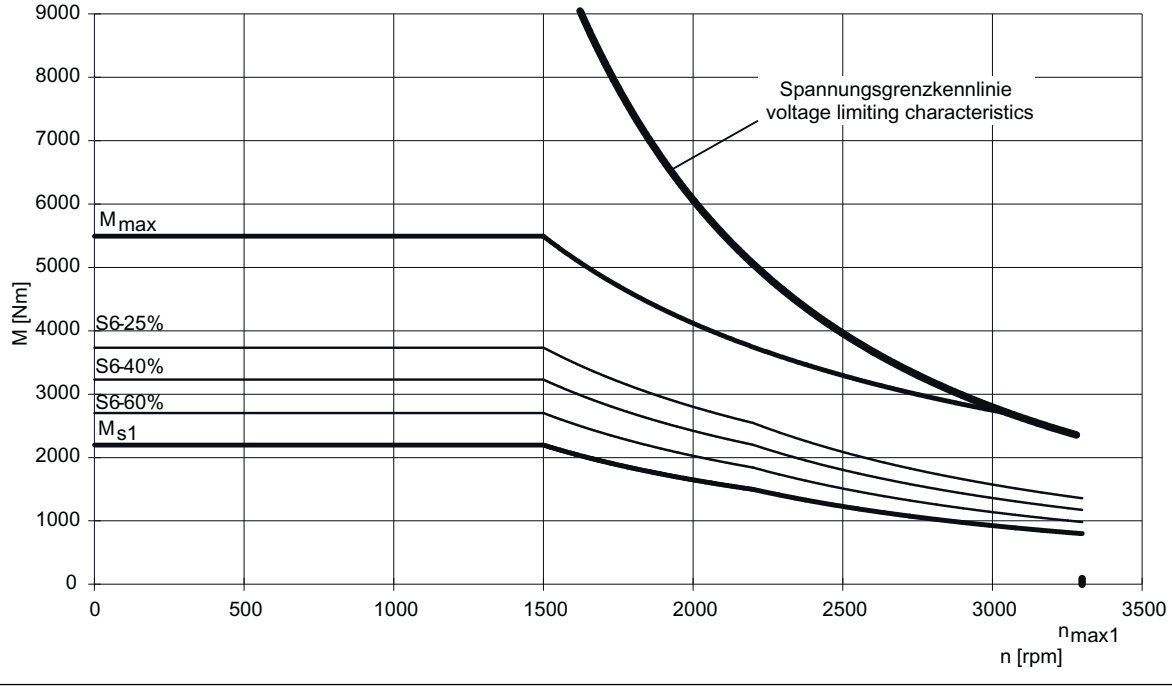


Table 2-465 SINAMICS, 3-ph. 400 V AC, Active Line Module, (ALM), 1PH8288-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	403	2,199	670	3,300	-	-	-	2,400	5,498	1,675	2,199	670
1,500	345	2,199	670					2,800				

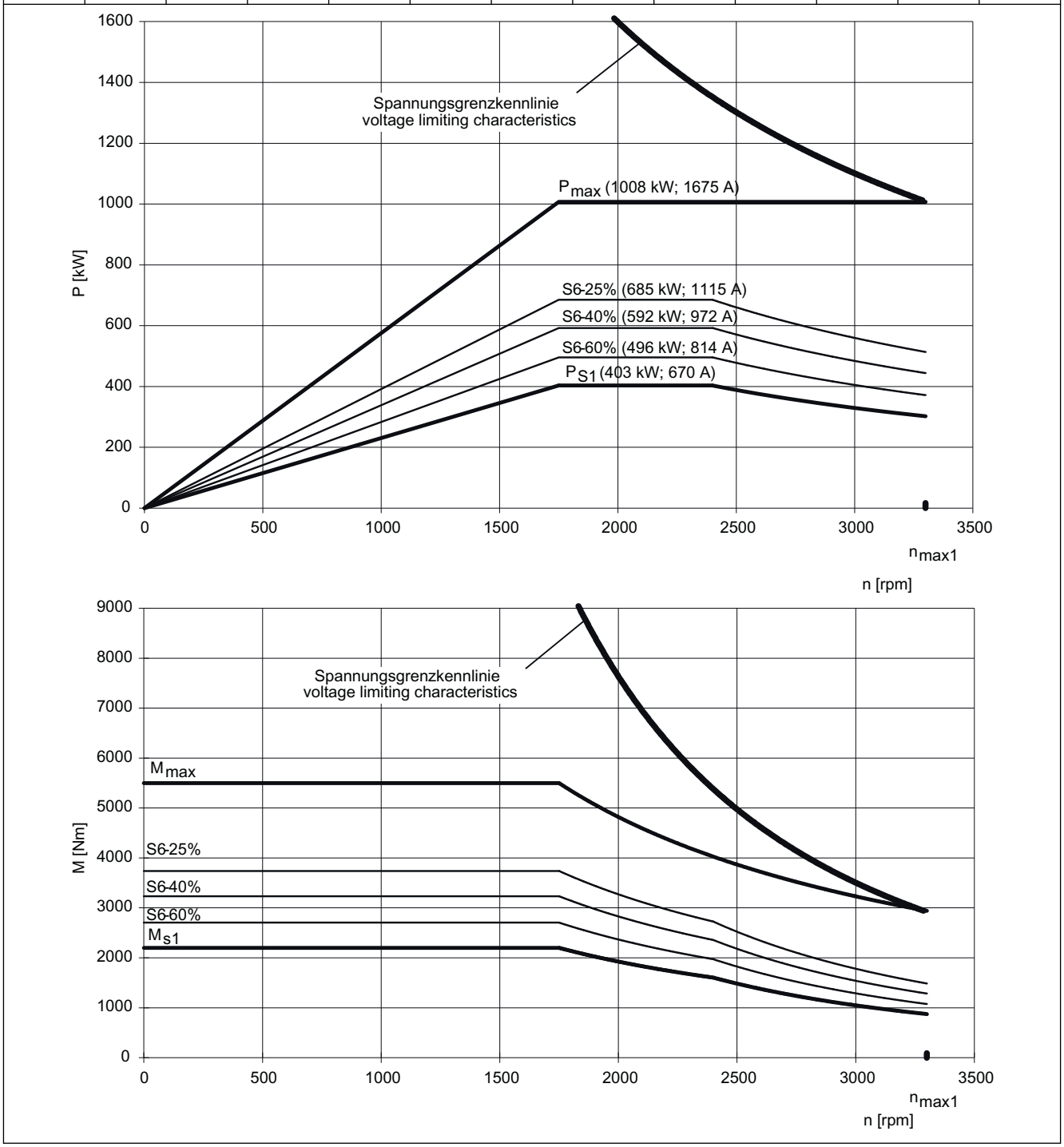


Table 2-466 SINAMICS, 3-ph. 480 V AC, Smart/Basic/Active Line Module, (SLM/BLM/ALM), 1PH8288-□□F2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
2,000	460	2,197	670	3,300	-	-	-	2,500	5,491	1,675	2,197	670

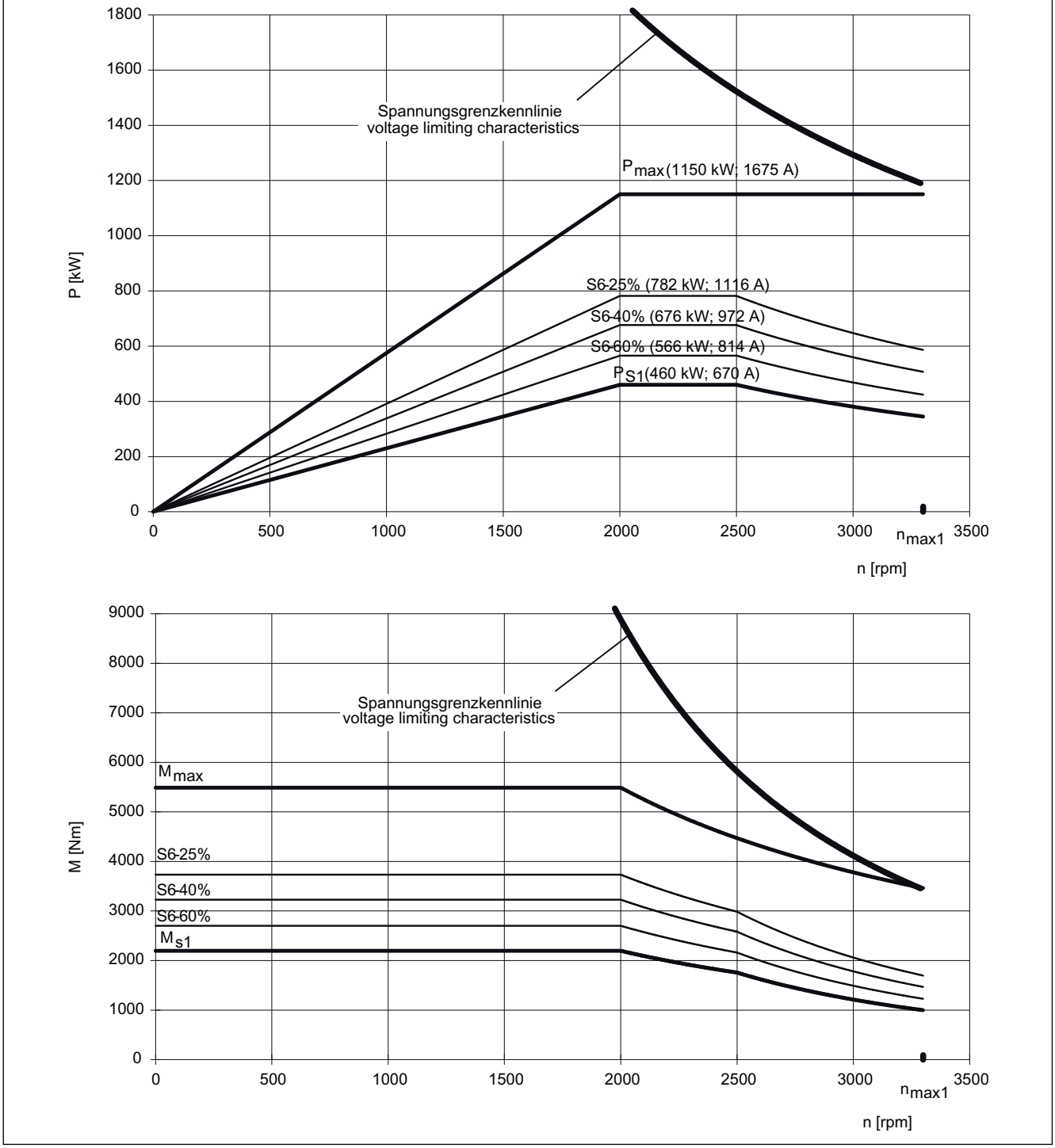


Table 2-467 SINAMICS, 3-ph. 690 V AC, Basic Line Module, (BLM), 1PH8288-□□H2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
400	105	2,507	134	3,300	-	-	-	2,000	6,267	335	2,507	134

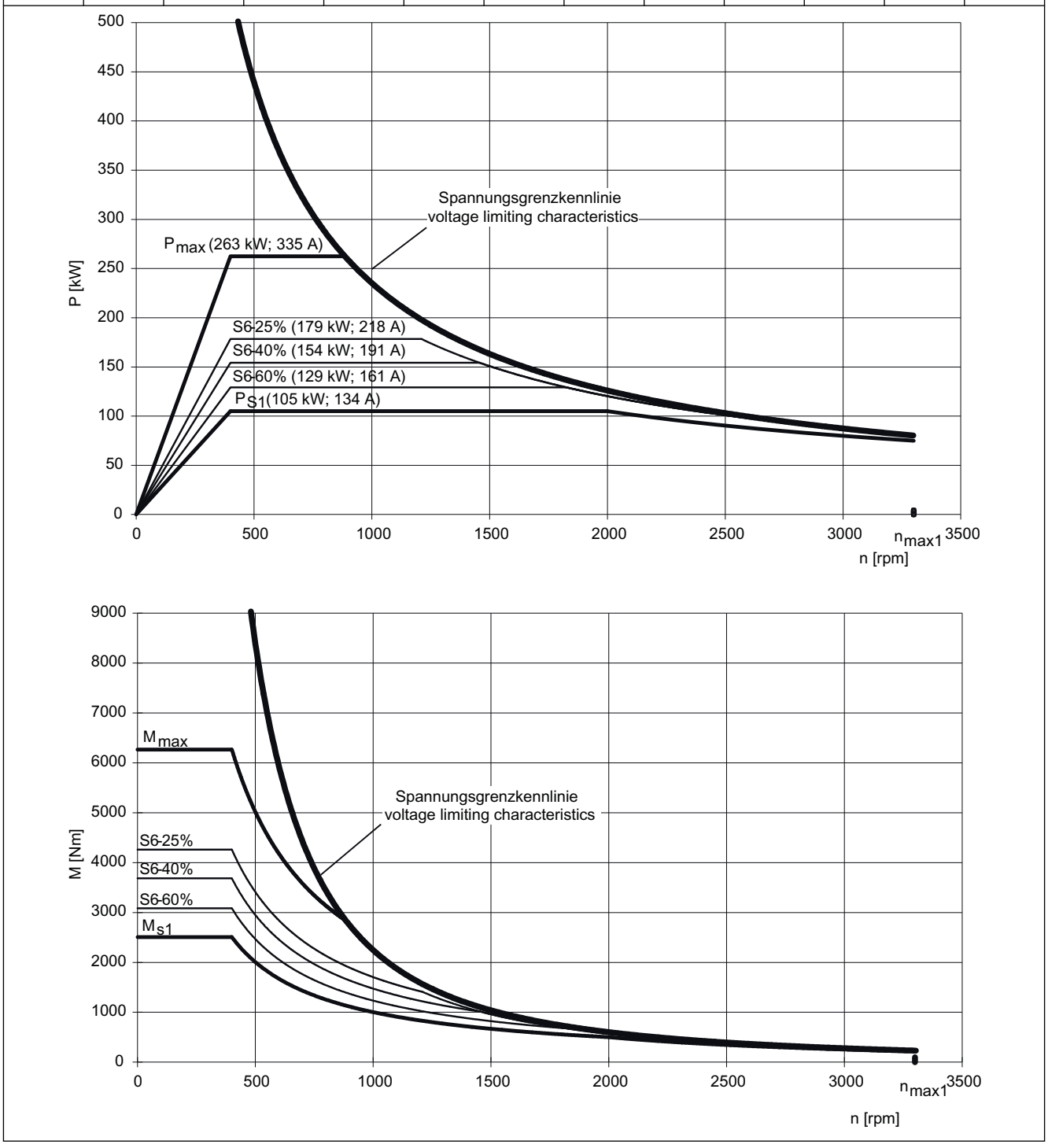


Table 2-468 SINAMICS, 3-ph. 690 V AC, Active Line Module, (ALM), 1PH8288-□□H2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
500	131	2,502	134	3,300	-	-	-	2,000	6,255	335	2,502	134
400	105	2,502	134					2,700				

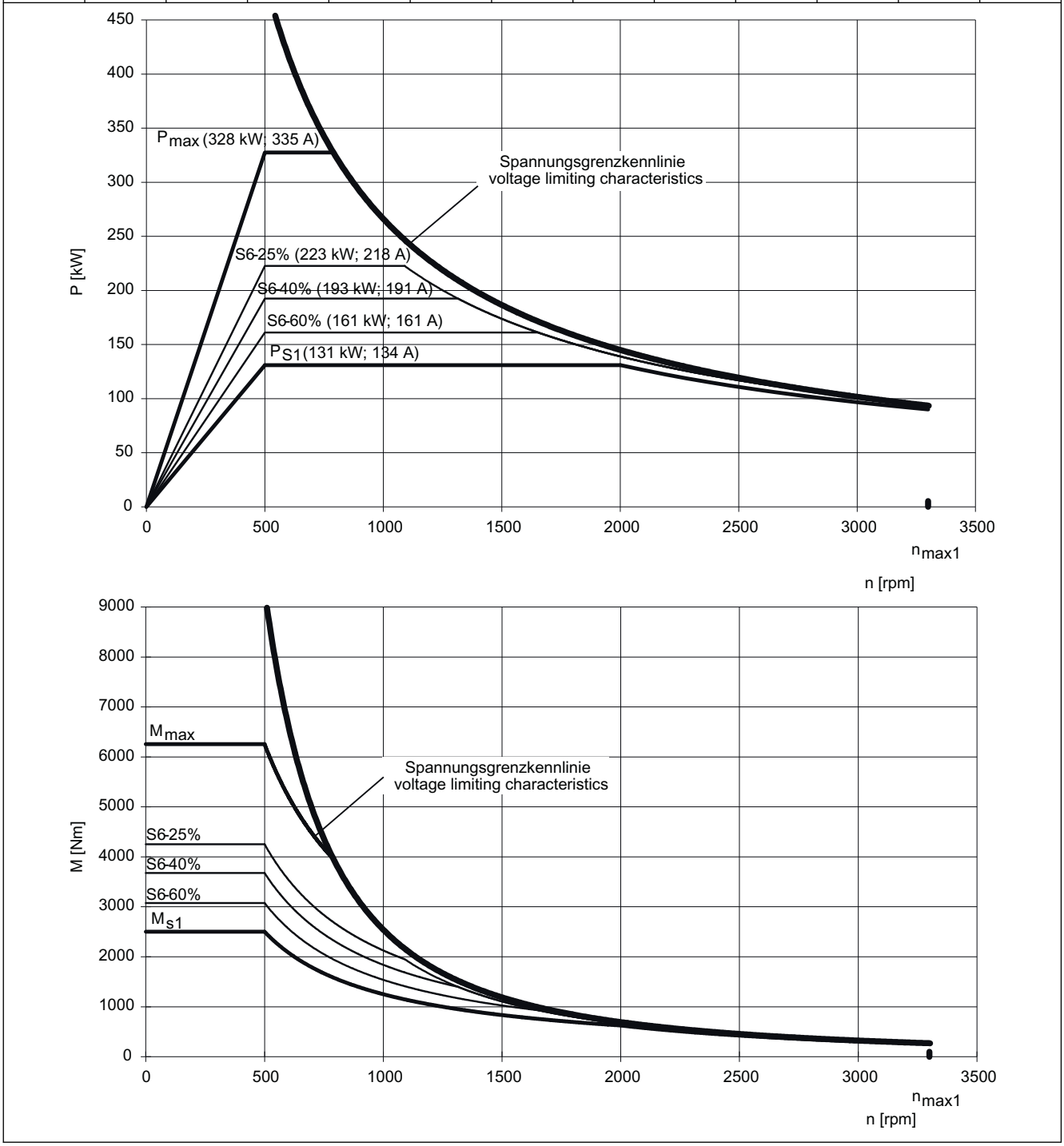


Table 2-469 SINAMICS, 3-ph. 690 V AC, Basic Line Module, (BLM), 1PH8288-□□K2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
700	182	2,483	205	3,300	-	-	-	2,200	6,208	513	2,483	205

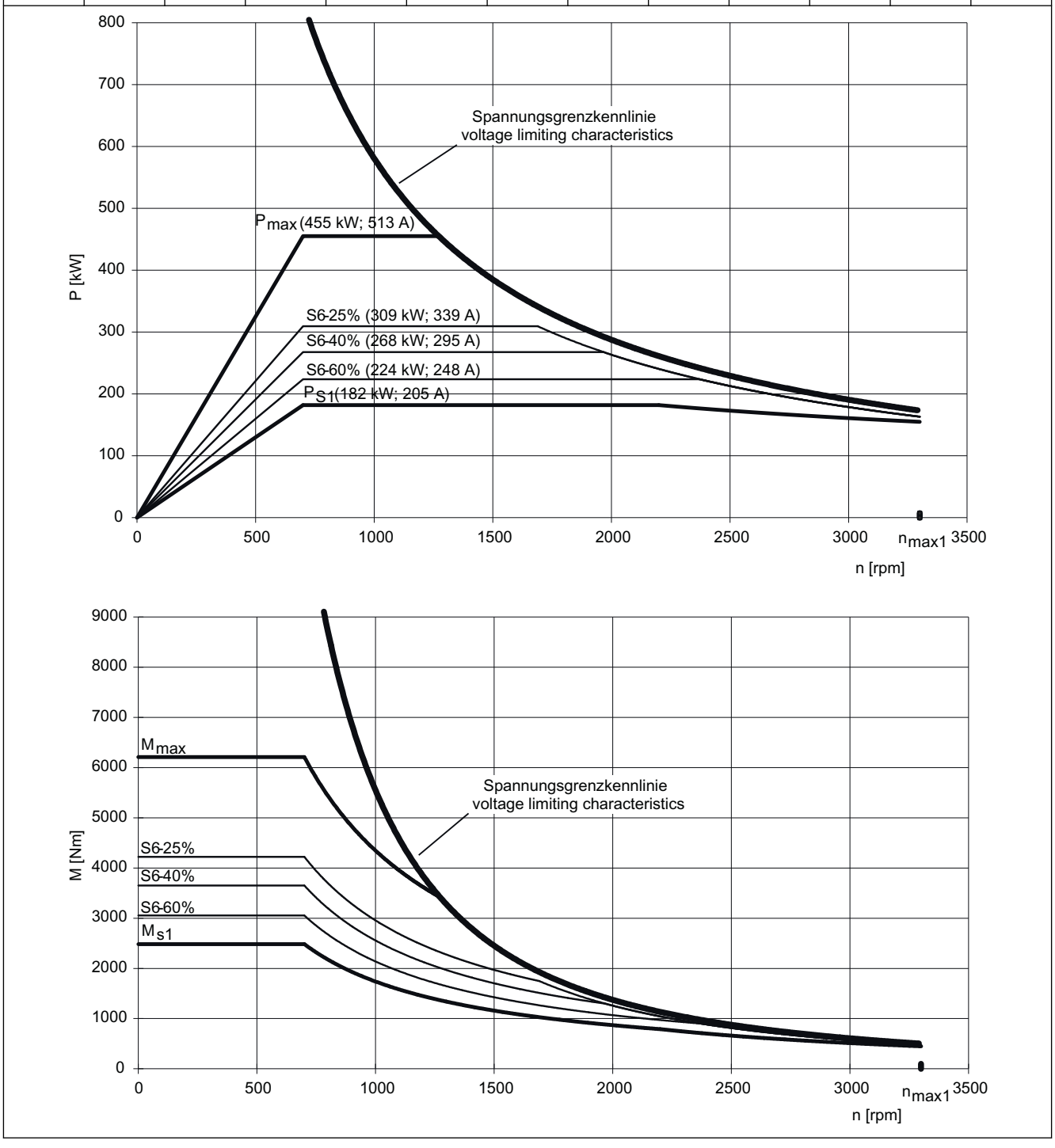
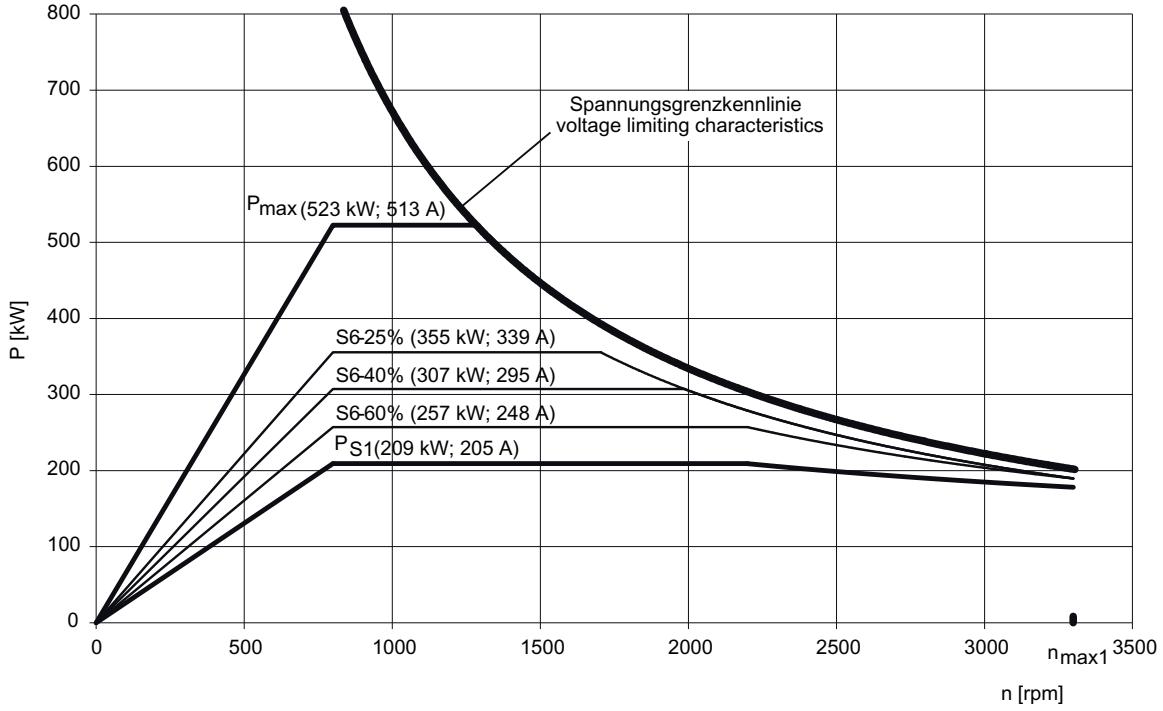


Table 2-470 SINAMICS, 3-ph. 690 V AC, Active Line Module, (ALM), 1PH8288-□□K2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
800	209	2,495	205	3,300	-	-	-	2,200	6,237	513	2,495	205
700	183	2,495	205					3,100				



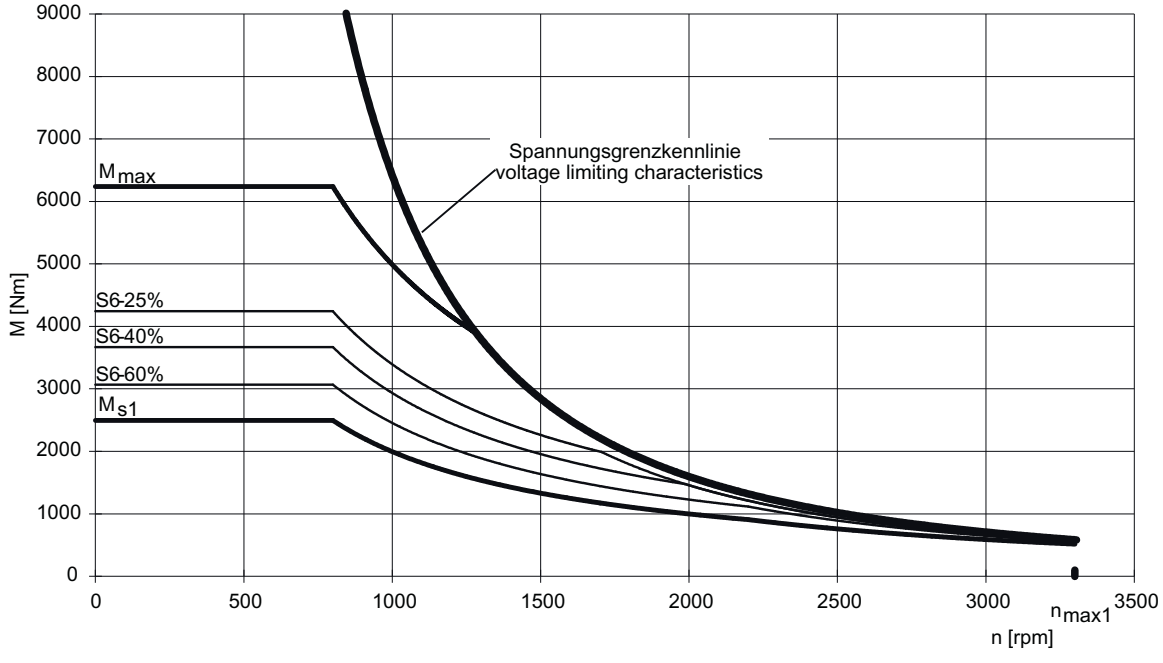


Table 2-471 SINAMICS, 3-ph. 690 V AC, Basic Line Module, (BLM), 1PH8288-□□U2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,000	256	2,445	310	3,300	-	-	-	2,200	6,112	775	2,445	310

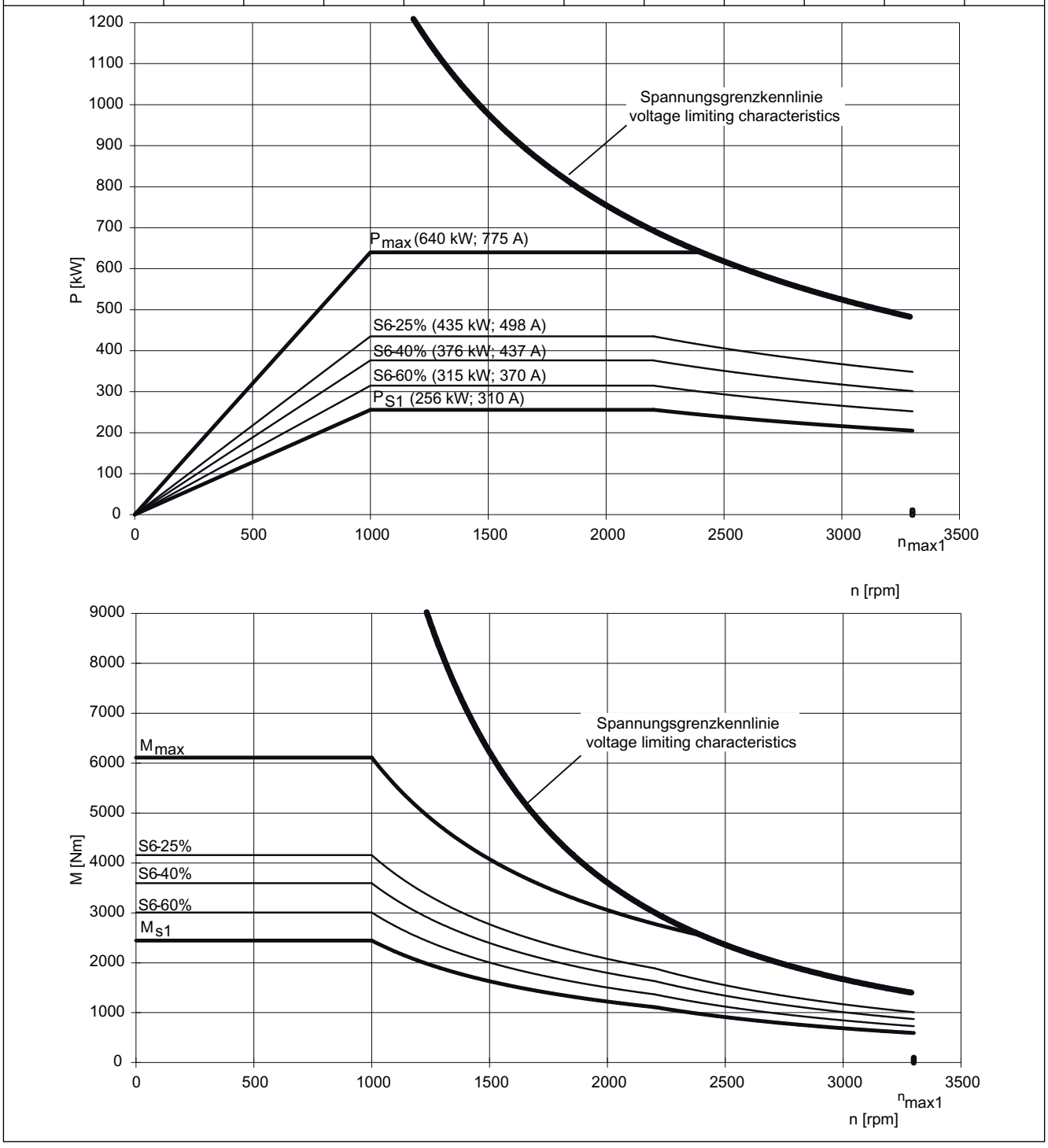
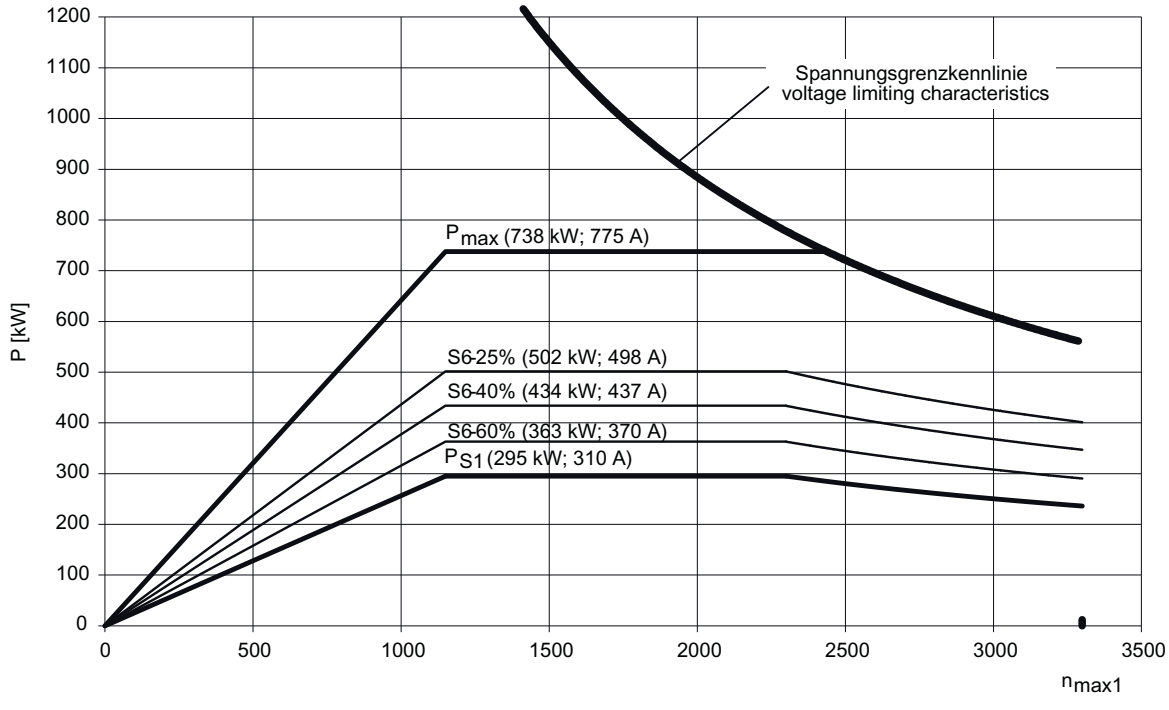


Table 2-472 SINAMICS, 3-ph. 690 V AC, Active Line Module, (ALM), 1PH8288-□□U2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,150	295	2,450	310	3,300	-	-	-	2,300	6,124	775	2,450	310
1,000	257	2,450	310					2,900				



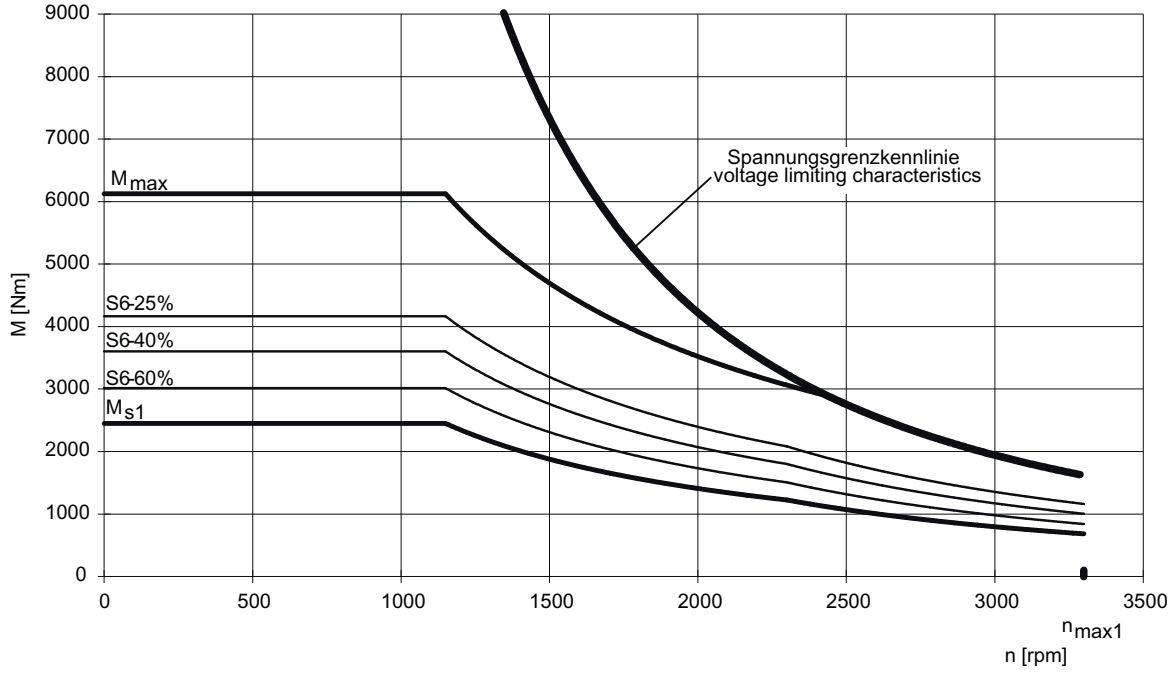
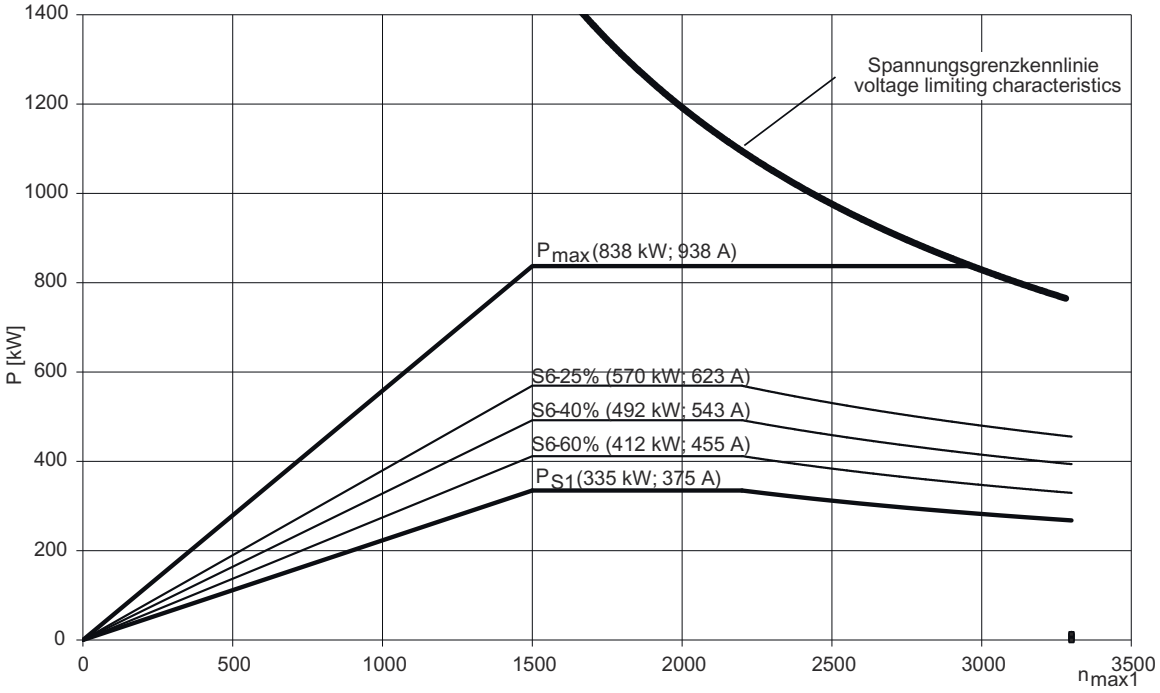


Table 2-473 SINAMICS, 3-ph. 690 V AC, Basic Line Module, (BLM), 1PH8288-□□W2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,500	335	2,133	375	3,300	-	-	-	2,200	5,332	938	2,133	375



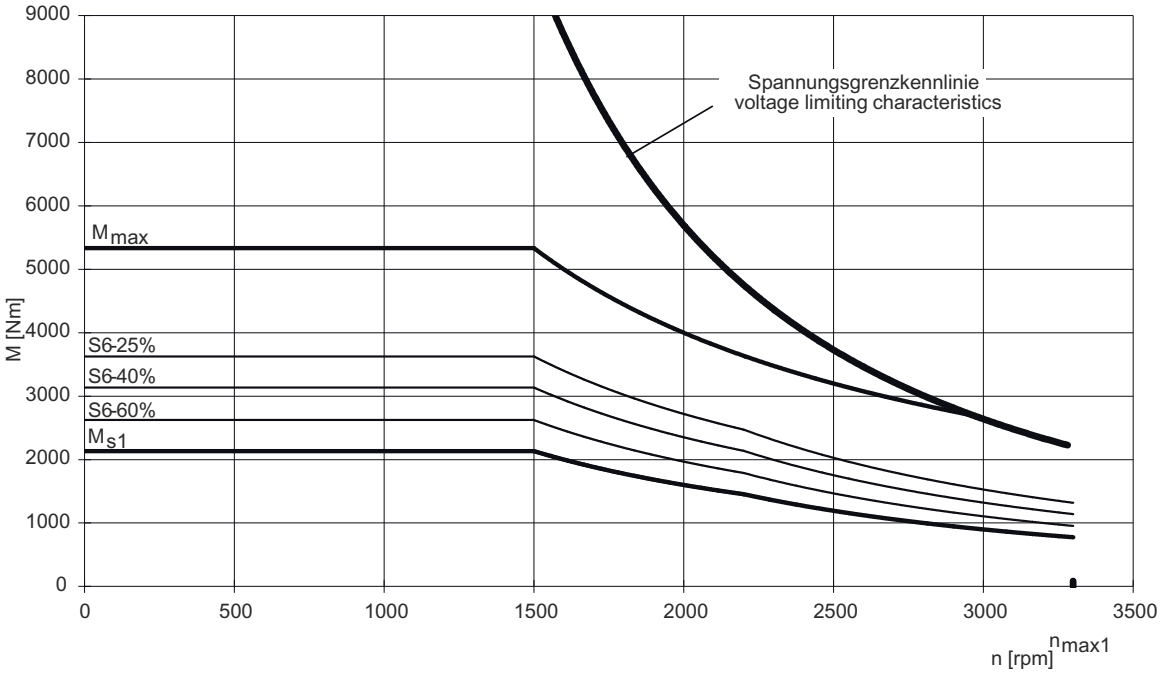
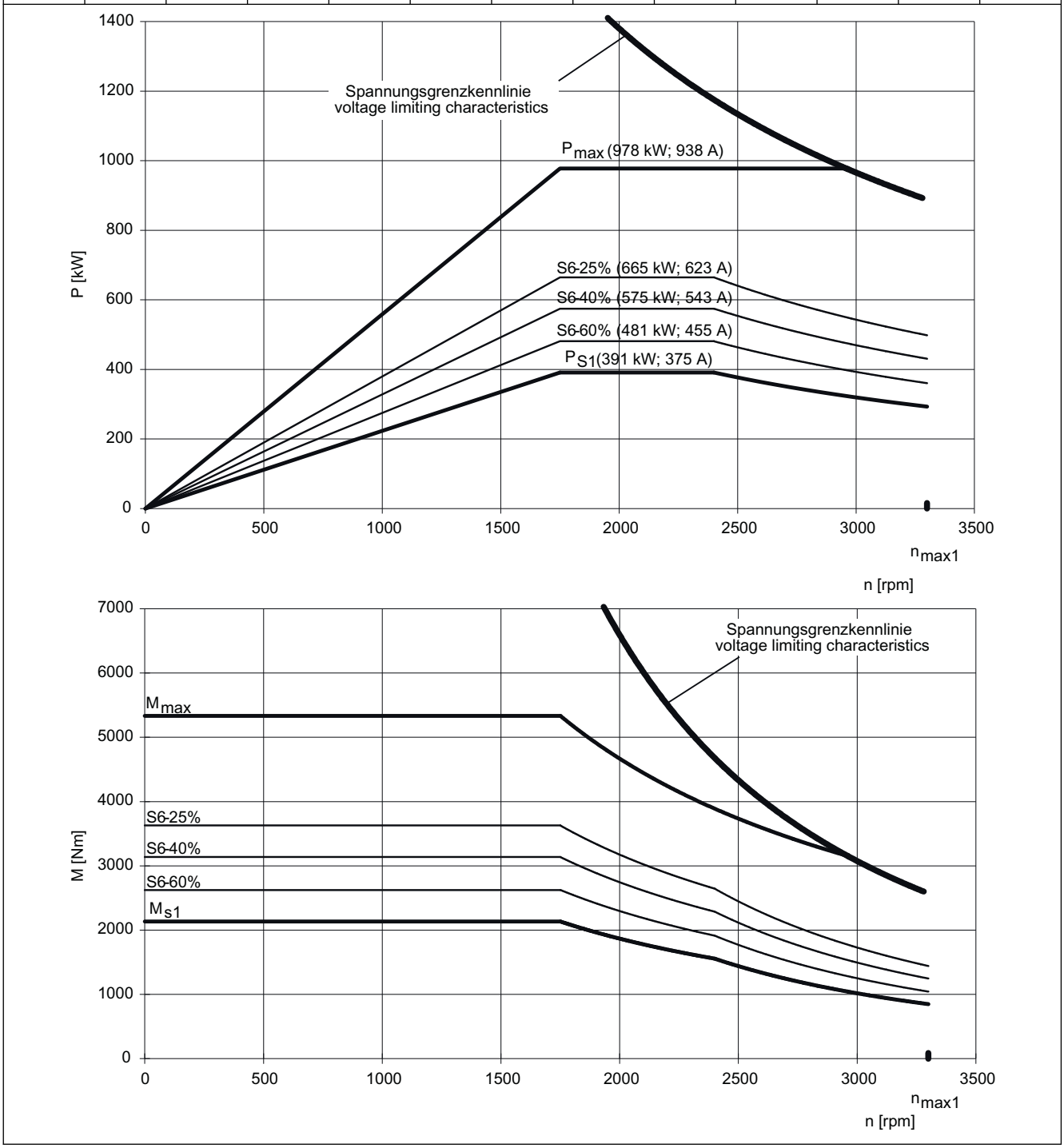


Table 2-474 SINAMICS, 3-ph. 690 V AC, Active Line Module, (ALM), 1PH8288-□□W2□

n_{rated} [rpm]	P_{rated} [kW]	M_{rated} [Nm]	I_{rated} [A]	n_{max1} [rpm]	n_{max2} [rpm]	n_{max3} [rpm]	$n_{max, Br}$ [rpm]	n_2 [rpm]	M_{max} [Nm]	I_{max} [A]	M_0 [Nm]	I_0 [A]
1,750	391	2,134	375	3,300	-	-	-	2,400	5,334	938	2,134	375
1,500	335	2,134	375					2,800				



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