



PRODUCT-DETAILS

3GBP281220-ADM**IE4 Super Premium Efficiency Cast Iron Motors, 75 kW, 400 V (3GBP281220-ADM)****General Information**

Product ID	3GBP281220-ADM
ABB Type Designation	M3BP 280SMB 2
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors, 75 kW, 400 V (3GBP281220-ADM)

Ordering

ABB Type Designation	M3BP 280SMB 2
Invoice Description	M3BP 280SMB 2
Product Name	3-Phase squirrel cage motor
Product Type	3BP4_M3BP_IE4_CI
Made To Order	No
Minimum Order Quantity	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI) China (CN) India (IN) Poland (PL)
Customs Tariff Number	85015290

Stocked At
(Warehouses)

Menden, Germany

Medium Description	75kW, 2 Poles, Frame Size 280, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP281220-ADM)
Short Description	75kW, 2P, Frame Size 280, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	75.00 kW	2980 r/min	74.80 A	0.870	95.60 %	240.00 N-m	7.80
D	--	50 Hz	400 V	75.00 kW	2980 r/min	129.00 A	0.870	95.60 %	240.00 N-m	7.80
D	--	50 Hz	415 V	75.00 kW	2981 r/min	126.00 A	0.860	95.60 %	240.00 N-m	8.30
D	--	60 Hz	460 V	75.00 kW	3582 r/min	113.00 A	0.870	95.00 %	200.00 N-m	8.20

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	75 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE4 Full Load (100%) 95.6 % Partial Load (75%) 95.5 % Partial Load (50%) 94.6 %
IE Class Data (60 Hz)	IE Class IE4 Full Load (100%) 95.0 % Partial Load (75%) 94.6 % Partial Load (50%) 93.3 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	2
Two Speed Motor	No
Type of Duty	S1
Voltage Code	D

Mechanical

Frame Material	Cast Iron
Frame Size	280
Bearing	6316/C3
Bearing NDE	6316/C3
Lubrication	Regreasable
IM Class	IMB3 IM1001
Terminator Box Location	Top

Dimensions

Package Level 1 Units	1 pallet (lift)
Product Net Depth / Length	1088 mm
Product Net Height	666 mm
Product Net Width	530 mm
Product Net Weight	665 kg
Gross Weight	685 kg

Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP	54c45c7b-7581-40ab-b615-c1dcb277d8a7 Finland (FI)

Classifications

UNSPSC	26101100
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Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE4 Super Premium Efficiency Cast Iron Motors

