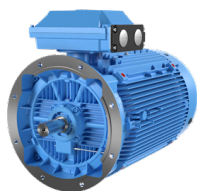




PRODUCT-DETAILS

3GBP315220-BDG

IE2 High Efficiency Cast Iron Motors, 55 kW,
400 V (3GBP315220-BDG)

**General Information**

Product ID	3GBP315220-BDG
ABB Type Designation	M3BP 315SMB 10
Catalog Description	IE2 High Efficiency Cast Iron Motors, 55 kW, 400 V (3GBP315220-BDG)

Ordering

ABB Type Designation	M3BP 315SMB 10
Invoice Description	M3BP 315SMB 10
Product Name	3-Phase squirrel cage motor
Product Type	3BP2_M3BP_IE2_CI
Made To Order	No
Minimum Order Quantity	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI) China (CN) Poland (PL)
Customs Tariff Number	85015290
Medium Description	55kW, 10 Poles, Frame Size 315, 3 Phases, 400V, 50Hz, IP55 Enclosure,

IMB5/IM3001 Mounting (3GBP315220-BDG)

Short Description 55kW, 10P, Frame Size 315, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	55.00 kW	594 r/min	62.90 A	0.780	93.80 %	884.00 N·m	6.70
D	--	50 Hz	400 V	55.00 kW	594 r/min	108.00 A	0.780	93.80 %	884.00 N·m	6.70
D	--	50 Hz	415 V	55.00 kW	595 r/min	107.00 A	0.760	93.80 %	884.00 N·m	6.90

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	55 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class NA Full Load (100%) 93.8 % Partial Load (75%) 93.7 % Partial Load (50%) 92.6 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	10
Two Speed Motor	No
Type of Duty	S1
Voltage Code	D

Mechanical

Frame Material	Cast Iron
Frame Size	315
Bearing	6319/C3
Bearing NDE	6316/C3
IM Class	IMB5 IM3001
Terminator Box Location	Top

Dimensions

Package Level 1 Units	1 pallet (lift)
Product Net Depth / Length	1202 mm
Product Net Height	852 mm
Product Net Width	654 mm
Product Net Weight	930 kg
Gross Weight	950 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
	39120000

Categories

Motors and Generators → IEC Low Voltage AC Motors → Marine Motors → Marine Process Performance Motors
Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Cast Iron Motors
Motors and Generators → IEC Low Voltage AC Motors → Smoke Extraction Motors → IE2 High Efficiency Cast Iron Motors

