



 PRODUCT-DETAILS

3GBP222220-RSK

IE3 Premium Efficiency Cast Iron Motors, 45 kW, 400 V (3GBP222220-RSK)



General Information

Product ID	3GBP222220-RSK
ABB Type Designation	M3BP 225SMB 4
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 45 kW, 400 V (3GBP222220-RSK)

Ordering

ABB Type Designation	M3BP 225SMB 4
Invoice Description	M3BP 225SMB 4
Product Name	3-Phase squirrel cage motor
Product Type	3BP3_M3BP_IE3_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI)
Customs Tariff Number	85015290
Medium Description	45kW, 4 Poles, Frame Size 225, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP222220-RSK)

Short Description

45kW, 4P, Frame Size 225, 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	400 V	45.00 kW	1482 r/min	82.30 A	0.840	94.20 %	290.00 N-m	8.00
D	--	50 Hz	230 V	45.00 kW	1482 r/min	143.00 A	0.840	94.20 %	290.00 N-m	8.00
Y	--	50 Hz	380 V	45.00 kW	1478 r/min	84.60 A	0.860	94.20 %	290.60 N-m	7.30
D	--	50 Hz	220 V	45.00 kW	1478 r/min	146.00 A	0.860	94.20 %	290.60 N-m	7.30
Y	--	50 Hz	415 V	45.00 kW	1483 r/min	81.00 A	0.820	94.20 %	290.00 N-m	8.60
Y	--	60 Hz	460 V	45.00 kW	1784 r/min	71.80 A	0.830	95.00 %	241.20 N-m	8.80

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	45 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 94.2 % Partial Load (75%) 94.3 % Partial Load (50%) 93.8 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 95.0 % Partial Load (75%) 95.0 % Partial Load (50%) 94.0 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	4
Two Speed Motor	No
Type of Duty	S1
Voltage Code	S

Mechanical

Frame Material	Cast Iron
Frame Size	225
Bearing	6313/C3
Bearing NDE	6212/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	879 mm
Product Net Height	573 mm
Product Net Width	435 mm
Product Net Weight	398 kg
Gross Weight	408 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 → IE3 Premium Efficiency Cast Iron Motors

