

PRODUCT-DETAILS

3GBA102520-ASC

IE2 High Efficiency Cast Iron Motors, 3 kW, 400 V (3GBA102520-ASC)



General Information

Product ID	3GBA102520-ASC
ABB Type Designation	M2BAX 100LB 4
Catalog Description	IE2 High Efficiency Cast Iron Motors, 3 kW, 400 V (3GBA102520-ASC)

Ordering

ABB Type Designation	M2BAX 100LB 4
Invoice Description	M2BAX 100LB 4
Product Name	3-Phase squirrel cage motor
Product Type	EBA2__M2BAX_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Poland (PL) China (CN)
Customs Tariff Number	85015220
Stocked At (Warehouses)	Menden, Germany Shanghai, China
Medium Description	3kW, 4 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA102520-ASC)

Short Description

3kW, 4P, Frame Size 100, 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	3.00 kW	1443 r/min	6.59 A	0.770	85.50 %	19.80 N·m	7.70
D	--	50 Hz	230 V	3.00 kW	1443 r/min	11.40 A	0.770	85.50 %	19.80 N·m	7.70
Y	--	50 Hz	380 V	3.00 kW	1436 r/min	6.60 A	0.810	85.50 %	19.80 N·m	7.20
D	--	50 Hz	220 V	3.00 kW	1436 r/min	11.40 A	0.810	85.50 %	19.80 N·m	7.20
Y	--	60 Hz	440 V	3.00 kW	1744 r/min	5.94 A	0.800	85.00 %	16.41 N·m	8.70
Y	--	60 Hz	460 V	3.00 kW	1749 r/min	6.03 A	0.760	85.00 %	16.36 N·m	9.10

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	3 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 85.5 % Partial Load (75%) 84.8 % Partial Load (50%) 82.9 %
IE Class Data (60 Hz)	IE Class IE1 Full Load (100%) 85.0 % Partial Load (75%) 83.7 % Partial Load (50%) 80.7 %
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	100
Bearing	6206-2Z/C3
Bearing NDE	6205-2Z/C3
Lubrication	For life
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	376 mm
Product Net Height	240 mm
Product Net Width	218 mm
Product Net Weight	35 kg
Gross Weight	40 kg

Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
SCIP	d19446d4-4db6-4ddb-826d-2341a0f7dd46 Finland (FI)

Classifications

Standards	IEC 60034-1
UNSPSC	26101100

Categories

Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE2 High Efficiency Cast Iron Motors

