

PRODUCT-DETAILS

# 3GBA102520-BSC

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



### General Information

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

### 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	China (CN) Poland (PL)
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, IMB5/IM3001 Mounting (3GBA102520-BSC)
Short Description	3kW, 4P, Frame Size 100, 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	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 <sub>in</sub> )	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	IMB5 IM3001
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)

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### Classifications

Standards	IEC 60034-1
UNSPSC	26101100

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### Categories

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

