



PRODUCT-DETAILS

3GBA102810-BSN

IE4 Super Premium Efficiency Cast Iron Motors,  
2.2 kW, 400 V (3GBA102810-BSN)



General Information

Product ID	3GBA102810-BSN
ABB Type Designation	M2BAX 100LKA 4
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors, 2.2 kW, 400 V (3GBA102810-BSN)

Ordering

ABB Type Designation	M2BAX 100LKA 4
Invoice Description	M2BAX 100LKA 4
Product Name	3-Phase squirrel cage motor
Product Type	EBA4_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)
Customs Tariff Number	85015220
Stocked At (Warehouses)	Menden, Germany
Medium Description	2.2kW, 4 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBA102810-BSN)
Short Description	2.2kW, 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	2.20 kW	1465 r/min	4.43 A	0.800	89.50 %	14.36 N·m	8.20
D	--	50 Hz	230 V	2.20 kW	1465 r/min	7.71 A	0.800	89.50 %	14.36 N·m	8.20
Y	--	50 Hz	380 V	2.20 kW	1465 r/min	4.61 A	0.810	89.50 %	14.36 N·m	7.80
D	--	50 Hz	220 V	2.20 kW	1465 r/min	7.96 A	0.810	89.50 %	14.36 N·m	7.80

Connection Configuration	Y
Temperature Class	--
Default	
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	2.2 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE4 Full Load (100%) 89.5 % Partial Load (75%) 90.0 % Partial Load (50%) 89.6 %
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	6206-2Z/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	463 mm
Product Net Height	243 mm
Product Net Width	200 mm
Product Net Weight	42 kg
Gross Weight	47 kg

Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
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Classifications

UNSPSC	26101100
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Categories

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

