



PRODUCT-DETAILS

3GBA102820-ASN

IE4 Super Premium Efficiency Cast Iron Motors, 3 kW, 400 V (3GBA102820-ASN)



General Information

Product ID	3GBA102820-ASN
ABB Type Designation	M2BAX 100LKB 4
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors, 3 kW, 400 V (3GBA102820-ASN)

Ordering

ABB Type Designation	M2BAX 100LKB 4
Invoice Description	M2BAX 100LKB 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	3kW, 4 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA102820-ASN)
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	1464 r/min	5.91 A	0.810	90.40 %	19.80 N·m	8.30
D	--	50 Hz	230 V	3.00 kW	1464 r/min	10.30 A	0.810	90.40 %	19.80 N·m	8.30
Y	--	50 Hz	380 V	3.00 kW	1464 r/min	6.15 A	0.820	90.40 %	19.80 N·m	7.70
D	--	50 Hz	220 V	3.00 kW	1464 r/min	10.60 A	0.820	90.40 %	19.80 N·m	7.70
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 IE4 Full Load (100%) 90.4 % Partial Load (75%) 91.1 % Partial Load (50%) 90.7 %
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	6206-2Z/C3
IM Class	IMB3 IM1001
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	48 kg
Gross Weight	53 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

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

