



PRODUCT-DETAILS

3GBA161420-ASC

IE2 High Efficiency Cast Iron Motors, 15 kW, 400 V (3GBA161420-ASC)



General Information

Product ID	3GBA161420-ASC
ABB Type Designation	M2BAX 160MLB 2
Catalog Description	IE2 High Efficiency Cast Iron Motors, 15 kW, 400 V (3GBA161420-ASC)

Ordering

ABB Type Designation	M2BAX 160MLB 2
Invoice Description	M2BAX 160MLB 2
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	85015230
Stocked At (Warehouses)	Menden, Germany
Medium Description	15kW, 2 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA161420-ASC)
Short Description	15kW, 2P, Frame Size 160, 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	15.00 kW	2932 r/min	26.70 A	0.890	90.30 %	48.86 N·m	7.20
D	--	50 Hz	230 V	15.00 kW	2932 r/min	46.40 A	0.890	90.30 %	48.86 N·m	7.20
Y	--	50 Hz	380 V	15.00 kW	2922 r/min	27.30 A	0.930	90.30 %	49.01 N·m	6.70
D	--	50 Hz	220 V	15.00 kW	2922 r/min	47.10 A	0.930	90.30 %	49.01 N·m	6.70
Y	--	60 Hz	440 V	15.00 kW	3535 r/min	23.40 A	0.930	90.20 %	40.51 N·m	8.00
Y	--	60 Hz	460 V	15.00 kW	3541 r/min	22.60 A	0.910	90.20 %	40.44 N·m	8.60

Connection Configuration	Y
Temperature Class	--
Default	
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	15 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 90.3 % Partial Load (75%) 90.6 % Partial Load (50%) 90.4 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 90.2 % Partial Load (75%) 89.8 % Partial Load (50%) 88.5 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	2
Two Speed Motor	No
Type of Duty	S1
Voltage Code	S

Mechanical

Frame Material	Cast Iron
Frame Size	160
Bearing	6209-2Z/C3
Bearing NDE	6209-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	586.5 mm
Product Net Height	414 mm
Product Net Width	338 mm
Product Net Weight	116 kg
Gross Weight	126 kg

Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
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Classifications

UNSPSC26101100

Categories

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

