



PRODUCT-DETAILS

3GBA111410-BDNCN

IE4 Super Premium Efficiency Cast Iron Motors, 4 kW, 400 V (3GBA111410-BDNCN)



General Information	
Product ID	3GBA111410-BDNCN
ABB Type Designation	M2BAX 112MLA 2
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors, 4 kW, 400 V (3GBA111410-BDNCN)

Ordering	
ABB Type Designation	M2BAX 112MLA 2
Invoice Description	M2BAX 112MLA 2
Product Name	3-Phase squirrel cage motor
Product Type	CBA4__M2BAX_IE4_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
Medium Description	4kW, 2 Poles, Frame Size 112, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBA111410-BDNCN)
Short Description	4kW, 2P, Frame Size 112, 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	690 V	4.00 kW	2893 r/min	4.23 A	0.880	90.00 %	13.20 N·m	8.30
D	--	50 Hz	400 V	4.00 kW	2893 r/min	7.29 A	0.880	90.00 %	13.20 N·m	8.30
Y	--	50 Hz	660 V	4.00 kW	2893 r/min	4.37 A	0.890	90.00 %	13.20 N·m	7.40
D	--	50 Hz	380 V	4.00 kW	2893 r/min	7.59 A	0.890	90.00 %	13.20 N·m	7.40
D	--	60 Hz	440 V	4.00 kW	3513 r/min	6.39 A	0.910	90.20 %	10.87 N·m	8.50
D	--	60 Hz	460 V	4.00 kW	3521 r/min	6.18 A	0.900	90.20 %	10.85 N·m	9.00
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U _{in})										400 V
Frequency (f)										50 Hz
Output Power										4 kW
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE4 Full Load (100%) 90.0 % Partial Load (75%) 88.2 % Partial Load (50%) 88.6 %
IE Class Data (60 Hz)										IE Class IE4 Full Load (100%) 90.2 % Partial Load (75%) 90.3 % Partial Load (50%) 89.1 %
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										D

Mechanical

Frame Material	Cast Iron
Frame Size	112
Bearing	6207-2Z/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 /	456 mm

Length	
Product Net Height	252 mm
Product Net Width	230 mm
Product Net Weight	49 kg
Gross Weight	54 kg

Classifications	
UNSPSC	26101100

Categories

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

