

PRODUCT-DETAILS

3GBA111310-BSC

IE2 High Efficiency Cast Iron Motors, 4 kW, 400 V (3GBA111310-BSC)



General Information	
Product ID	3GBA111310-BSC
ABB Type Designation	M2BAX 112MA 2
Catalog Description	IE2 High Efficiency Cast Iron Motors, 4 kW, 400 V (3GBA111310-BSC)

Ordering	
ABB Type Designation	M2BAX 112MA 2
Invoice Description	M2BAX 112MA 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	85015220
Stocked At (Warehouses)	Shanghai, China
Medium Description	4kW, 2 Poles, Frame Size 112, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBA111310-BSC)

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	400 V	4.00 kW	2910 r/min	7.84 A	0.870	85.80 %	13.10 N·m	9.00
D	--	50 Hz	230 V	4.00 kW	2910 r/min	13.60 A	0.870	85.80 %	13.05 N·m	9.00
Y	--	50 Hz	380 V	4.00 kW	2899 r/min	7.88 A	0.910	85.80 %	13.10 N·m	8.50
D	--	50 Hz	220 V	4.00 kW	2899 r/min	13.70 A	0.910	85.80 %	13.10 N·m	8.50
Y	--	60 Hz	440 V	4.00 kW	3511 r/min	6.84 A	0.910	84.50 %	10.81 N·m	10.20
Y	--	60 Hz	460 V	4.00 kW	3519 r/min	6.75 A	0.880	84.60 %	10.81 N·m	10.80

Connection Configuration	Y
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 IE2 Full Load (100%) 85.8 % Partial Load (75%) 85.3 % Partial Load (50%) 83.4 %
IE Class Data (60 Hz)	IE Class IE1 Full Load (100%) 84.5 % Partial Load (75%) 83.2 % Partial Load (50%) 80.4 %
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	112
Bearing	6206-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions	
Package Level 1 Units	0 carton
Product Net Depth / Length	411 mm
Product Net Height	252 mm
Product Net Width	230 mm
Product Net Weight	36 kg
Gross Weight	41 kg

Environmental	
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
SCIP	d19446d4-4db6-4ddb-826d-2341a0f7dd46 Finland (FI)

Classifications	
UNSPSC	26101100

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

