

PRODUCT-DETAILS

3GBA101510-BSC

IE2 High Efficiency Cast Iron Motors, 3 kW, 400 V (3GBA101510-BSC)



General Information

Product ID	3GBA101510-BSC
ABB Type Designation	M2BAX 100LA 2
Catalog Description	IE2 High Efficiency Cast Iron Motors, 3 kW, 400 V (3GBA101510-BSC)

Ordering

ABB Type Designation	M2BAX 100LA 2
Invoice Description	M2BAX 100LA 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	3kW, 2 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBA101510-BSC)
Short Description	3kW, 2P, 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	3.00 kW	2919 r/min	6.08 A	0.850	84.60 %	9.81 N·m	8.70
D	--	50 Hz	230 V	3.00 kW	2919 r/min	10.50 A	0.850	84.60 %	9.81 N·m	8.70
Y	--	50 Hz	380 V	3.00 kW	2910 r/min	6.15 A	0.880	84.60 %	9.81 N·m	8.30
D	--	50 Hz	220 V	3.00 kW	2910 r/min	10.70 A	0.880	84.60 %	9.81 N·m	8.30
Y	--	60 Hz	440 V	3.00 kW	3520 r/min	5.53 A	0.890	84.50 %	8.13 N·m	9.80
Y	--	60 Hz	460 V	3.00 kW	3527 r/min	5.62 A	0.840	84.50 %	8.12 N·m	10.30

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 IE2 Full Load (100%) 84.6 % Partial Load (75%) 83.6 % Partial Load (50%) 81.2 %
IE Class Data (60 Hz)	IE Class IE1 Full Load (100%) 84.5 % Partial Load (75%) 82.8 % Partial Load (50%) 79.3 %
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	100
Bearing	6206-2Z/C3
Bearing NDE	6205-2Z/C3
Lubrication	For life
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	376 mm
Product Net Height	240 mm
Product Net Width	218 mm
Product Net Weight	32 kg
Gross Weight	37 kg

Environmental

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

Classifications

Standards	IEC 60034-1
UNSPSC	26101100

Categories

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

