



PRODUCT-DETAILS

3GBA103810-BDD

IE3 Premium Efficiency Cast Iron Motors, 1.5 kW, 400 V (3GBA103810-BDD)



General Information	
Product ID	3GBA103810-BDD
ABB Type Designation	M2BAX 100LKA 6
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 1.5 kW, 400 V (3GBA103810-BDD)

Ordering	
ABB Type Designation	M2BAX 100LKA 6
Invoice Description	M2BAX 100LKA 6
Product Name	3-Phase squirrel cage motor
Product Type	EBA3__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 Shanghai, China
Medium Description	1.5kW, 6 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBA103810-BDD)
Short Description	1.5kW, 6P, 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	690 V	1.50 kW	948 r/min	2.17 A	0.700	82.50 %	15.11 N·m	5.60	
D	--	50 Hz	400 V	1.50 kW	948 r/min	3.75 A	0.700	82.50 %	15.10 N·m	5.60	
Y	--	50 Hz	660 V	1.50 kW	942 r/min	2.18 A	0.730	82.50 %	15.21 N·m	5.10	
D	--	50 Hz	380 V	1.50 kW	942 r/min	3.78 A	0.730	82.50 %	15.22 N·m	5.10	
D	--	50 Hz	415 V	1.50 kW	953 r/min	3.78 A	0.670	82.50 %	15.03 N·m	6.00	
Connection Configuration										D	
Temperature Class Default										--	
Input Voltage (U _{in})										400 V	
Frequency (f)										50 Hz	
Output Power										1.5 kW	
Altitude										1000 m	
Ambient Temperature										40 °C	
IC Class										IC411	
IE Class Data (50 Hz)										IE Class IE3 Full Load (100%) 82.5 % Partial Load (75%) 82.7 % Partial Load (50%) 80.5 %	
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 86.5 % Partial Load (75%) 86.4 % Partial Load (50%) 84.3 %	
IP Class										IP55	
Insulation Class										ICLF	
Direction of Rotation										Both sides	
Number of Poles (High)										6	
Two Speed Motor										No	
Type of Duty										S1	
Voltage Code										D	

Mechanical

Frame Material	Cast Iron
Frame Size	100
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	240 mm
Product Net Width	200 mm
Product Net Weight	37 kg

Gross Weight	42 kg
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Environmental

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

Classifications

UNSPSC	26101100
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Categories

Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE3 Premium Efficiency Cast Iron Motors

