



PRODUCT-DETAILS

# 3GBA102520-ADD

## IE3 Premium Efficiency Cast Iron Motors, 2.2 kW, 400 V (3GBA102520-ADD)



General Information	
Product ID	3GBA102520-ADD
ABB Type Designation	M2BAX 100LB 4
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 2.2 kW, 400 V (3GBA102520-ADD)

Ordering	
ABB Type Designation	M2BAX 100LB 4
Invoice Description	M2BAX 100LB 4
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	2.2kW, 4 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA102520-ADD)
Short Description	2.2kW, 4P, Frame Size 100, 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	690 V	2.20 kW	1439 r/min	2.62 A	0.810	86.70 %	14.62 N·m	7.60	
D	--	50 Hz	400 V	2.20 kW	1439 r/min	4.52 A	0.810	86.70 %	14.61 N·m	7.60	
Y	--	50 Hz	660 V	2.20 kW	1431 r/min	2.67 A	0.830	86.70 %	14.69 N·m	7.00	
D	--	50 Hz	380 V	2.20 kW	1431 r/min	4.64 A	0.830	86.70 %	14.69 N·m	7.00	
D	--	50 Hz	415 V	2.20 kW	1444 r/min	4.47 A	0.790	86.70 %	14.56 N·m	8.00	
Connection Configuration										D	
Temperature Class Default										--	
Input Voltage (U <sub>in</sub> )										400 V	
Frequency (f)										50 Hz	
Output Power										2.2 kW	
Altitude										1000 m	
Ambient Temperature										40 °C	
IC Class										IC411	
IE Class Data (50 Hz)										IE Class IE3 Full Load (100%) 86.7 % Partial Load (75%) 87.9 % Partial Load (50%) 87.6 %	
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 87.5 % Partial Load (75%) 88.3 % Partial Load (50%) 87.5 %	
IP Class										IP55	
Insulation Class										ICLF	
Direction of Rotation										Both sides	
Number of Poles (High)										4	
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	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth /	376 mm

Length	
Product Net Height	240 mm
Product Net Width	200 mm
Product Net Weight	34 kg
Gross Weight	39 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 → IE3 Premium Efficiency Cast Iron Motors	

