

PRODUCT-DETAILS

# 3GBA093520-ASD

## IE3 Premium Efficiency Cast Iron Motors, 1.1 kW, 400 V (3GBA093520-ASD)



General Information	
Product ID	3GBA093520-ASD
ABB Type Designation	M2BAX 90LB 6
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 1.1 kW, 400 V (3GBA093520-ASD)

Ordering	
ABB Type Designation	M2BAX 90LB 6
Invoice Description	M2BAX 90LB 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	1.1kW, 6 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA093520-ASD)
Short Description	1.1kW, 6P, Frame Size 90, 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	400 V	1.10 kW	946 r/min	2.97 A	0.660	81.00 %	11.01 N·m	5.40	
D	--	50 Hz	230 V	1.10 kW	946 r/min	5.17 A	0.660	81.00 %	11.01 N·m	5.40	
Y	--	50 Hz	380 V	1.10 kW	939 r/min	2.95 A	0.700	81.00 %	11.09 N·m	5.10	
D	--	50 Hz	220 V	1.10 kW	939 r/min	5.09 A	0.700	81.00 %	11.09 N·m	5.10	
Y	--	50 Hz	415 V	1.10 kW	950 r/min	3.00 A	0.630	81.00 %	10.95 N·m	5.60	
Connection Configuration										Y	
Temperature Class Default										--	
Input Voltage (U <sub>in</sub> )										400 V	
Frequency (f)										50 Hz	
Output Power										1.1 kW	
Altitude										1000 m	
Ambient Temperature										40 °C	
IC Class										IC411	
IE Class Data (50 Hz)										IE Class IE3 Full Load (100%) 81.0 % Partial Load (75%) 79.5 % Partial Load (50%) 75.8 %	
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 85.5 % Partial Load (75%) 83.8 % Partial Load (50%) 80.6 %	
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										S	

Mechanical

Frame Material	Cast Iron
Frame Size	90
Bearing	6205-2Z/C3
Bearing NDE	6204-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	386 mm
Product Net Height	217 mm
Product Net Width	170 mm
Product Net Weight	30 kg

Gross Weight	33 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

