

PRODUCT-DETAILS

3GAA091520-ASK436

IE3 Premium Efficiency Aluminum Motors, 1.5 kW, 400 V (3GAA091520-ASK436)



General Information	
Product ID	3GAA091520-ASK436
ABB Type Designation	M3AA 90LB 2
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 1.5 kW, 400 V (3GAA091520-ASK436)

Ordering	
ABB Type Designation	M3AA 90LB 2
Invoice Description	M3AA 90LB 2
Product Name	3-Phase squirrel cage motor
Product Type	3AA3_M3AA_IE3_AA
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Romania (RO)
Customs Tariff Number	85015220
Stocked At (Warehouses)	Menden, Germany
Medium Description	1.5kW, 2 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA091520-ASK436)
Short Description	1.5kW, 2P, 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	1.50 kW	2906 r/min	2.80 A	0.890	84.20 %	4.90 N·m	7.90	
D	--	50 Hz	230 V	1.50 kW	2906 r/min	4.80 A	0.890	84.20 %	4.90 N·m	7.90	
Y	--	50 Hz	380 V	1.50 kW	2894 r/min	2.90 A	0.900	84.20 %	4.90 N·m	7.30	
D	--	50 Hz	220 V	1.50 kW	2894 r/min	5.10 A	0.900	84.20 %	4.90 N·m	7.30	
Y	--	50 Hz	415 V	1.50 kW	2914 r/min	2.70 A	0.880	84.20 %	4.90 N·m	8.50	
Y	--	60 Hz	460 V	1.50 kW	3522 r/min	2.40 A	0.880	85.50 %	4.00 N·m	9.60	
Connection Configuration										Y	
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%) 84.2 % Partial Load (75%) 84.7 % Partial Load (50%) 84.2 %	
IE Class Data (60 Hz)										IE Class IE3 Full Load (100%) 85.5 % Partial Load (75%) 85.3 % Partial Load (50%) 84.0 %	
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	Aluminum
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	331.5 mm
Product Net Height	217 mm
Product Net Width	177 mm
Product Net Weight	17 kg
Gross Weight	20 kg

Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
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Classifications

UNSPSC	26101100
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Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE3 Premium Efficiency Aluminum Motors

