



PRODUCT-DETAILS

3GAA082311-ASE436

IE2 High Efficiency Aluminum Motors, 0.55 kW, 400 V (3GAA082311-ASE436)



General Information	
Product ID	3GAA082311-ASE436
ABB Type Designation	M3AA 80A 4
Catalog Description	IE2 High Efficiency Aluminum Motors, 0.55 kW, 400 V (3GAA082311-ASE436)

Ordering	
ABB Type Designation	M3AA 80A 4
Invoice Description	M3AA 80A 4
Product Name	3-Phase squirrel cage motor
Product Type	3AA2__M3AA_IE2_AA
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	85015100
Stocked At (Warehouses)	Menden, Germany
Medium Description	0.55kW, 4P, Frame Size 80, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA082311-ASE436)
Short Description	0.55kW, 4P, Frame Size 80, 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	0.55 kW	1406 r/min	1.29 A	0.780	77.10 %	3.73 N·m	5.40	
D	--	50 Hz	230 V	0.55 kW	1406 r/min	2.24 A	0.780	77.10 %	3.73 N·m	5.40	
Y	--	60 Hz	460 V	0.55 kW	1721 r/min	1.15 A	0.740	75.50 %	3.05 N·m	6.50	
Connection Configuration										Y	
Temperature Class Default										--	
Input Voltage (U _{in})										400 V	
Frequency (f)										50 Hz	
Output Power										0.55 kW	
Altitude										1000 m	
Ambient Temperature										40 °C	
IC Class										IC411	
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 77.1 % Partial Load (75%) 78.6 % Partial Load (50%) 76.8 %	
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 75.5 % Partial Load (75%) 75.6 % Partial Load (50%) 72.2 %	
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										S	

Mechanical

Frame Material	Aluminum
Frame Size	80
Bearing	6204-2Z/C3
Bearing NDE	6203-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	Top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	292.5 mm
Product Net Height	193.5 mm
Product Net Width	154 mm
Product Net Weight	9.6 kg
Gross Weight	12.6 kg

Environmental

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

Classifications

UNSPSC 26101100

Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Aluminum Motors

