



PRODUCT-DETAILS

3GAA082311-ASE843

IE2 High Efficiency Aluminum Motors, 0.55 kW,
400 V (3GAA082311-ASE843)



General Information	
Product ID	3GAA082311-ASE843
ABB Type Designation	M3AA 80A 4
Catalog Description	IE2 High Efficiency Aluminum Motors, 0.55 kW, 400 V (3GAA082311-ASE843)

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	Romania (RO)
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-ASE843)
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
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

