PRODUCT-DETAILS

3GAA082311-ASE

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



General Information

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

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 Sant Quirze del Vallés - BCN, Spain Shanghai, China Vittuone, Italy
Medium Description	0.55kW, 4 Poles, Frame Size 80, 3 Phases, 400V, 50Hz, IP55 Enclosure,

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Subject to change without notice

	IMB3/IM1001 Mounting (3GAA082311-ASE)
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
Lubrication	For life
IM Class	IMB3 IM1001
Terminator Box Location	Top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	292.5 mm

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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)
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)

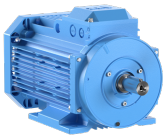
Classifications

Standards	IEC 60034-1
UNSPSC	26101100

Categories

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





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