



PRODUCT-DETAILS

3GAA051312-CSF

IE2 High Efficiency Aluminum Motors, 0.12 kW,
400 V (3GAA051312-CSF)



General Information

Product ID	3GAA051312-CSF
ABB Type Designation	M3AA 56B 2
Catalog Description	IE2 High Efficiency Aluminum Motors, 0.12 kW, 400 V (3GAA051312-CSF)

Ordering

ABB Type Designation	M3AA 56B 2
Invoice Description	M3AA 56B 2
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) Poland (PL)
Customs Tariff Number	85015100
Replaced Product ID (OLD)	3GAA051002-CSA 3GAA051002-CSE
Stocked At (Warehouses)	Menden, Germany Sant Quirze del Vallés - BCN, Spain Vittuone, Italy
Medium Description	0.12kW, 2 Poles, Frame Size 56, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB14/IM3601 Mounting (3GAA051312-CSF)

Short Description0.12kW, 2P, Frame Size 56, 3PH, 400V, 50Hz, IP55, IMB14/IM3601

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	0.12 kW	2830 r/min	0.41 A	0.680	53.60 %	0.40 N·m	4.30
D	--	50 Hz	230 V	0.12 kW	2830 r/min	0.71 A	0.680	53.60 %	0.40 N·m	4.30
Y	--	60 Hz	460 V	0.12 kW	3460 r/min	0.38 A	0.630	59.50 %	0.33 N·m	4.80

Connection Configuration	Y
Temperature Class	--
Default	
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	0.12 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 53.6 % Partial Load (75%) 49.3 % Partial Load (50%) 37.2 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 59.5 % Partial Load (75%) 54.0 % Partial Load (50%) 44.0 %
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	56
Bearing	6201-2Z/C3
Bearing NDE	6201-2Z/C3
IM Class	IMB14 IM3601
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	183 mm
Product Net Height	143 mm
Product Net Width	110 mm
Product Net Weight	2.9 kg
Gross Weight	3.9 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

