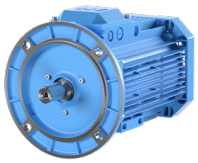
PRODUCT-DETAILS

3GAA071312-BSE

IE2 High Efficiency Aluminum Motors, 0.55 kW, 400 V (3GAA071312-BSE)



General Information

Product ID	3GAA071312-BSE
ABB Type Designation	M3AA 71B 2
Catalog Description	IE2 High Efficiency Aluminum Motors, 0.55 kW, 400 V (3GAA071312-BSE)

Ordering

ABB Type Designation	M3AA 71B 2
Invoice Description	M3AA 71B 2
Product Name	3-Phase squirrel cage motor
Product Type	3AA2__M3AA_IE2_AA
Country or Territory of Origin	China Romania
Customs Tariff Number	85015100
Stocked At (Warehouses)	Menden, Germany Sant Quirze del Vallés - BCN, Spain Shanghai, China Vittuone, Italy
Medium Description	0.55kW, 2 Poles, Frame Size 71, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA071312-BSE)

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Short Description	0.55kW, 2P, Frame Size 71, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	0.55 kW	2790 r/min	1.29 A	0.790	74.10 %	1.88 N·m	5.10
D	--	50 Hz	230 V	0.55 kW	2790 r/min	2.24 A	0.790	74.10 %	1.88 N·m	5.10
Y	--	60 Hz	460 V	0.55 kW	3431 r/min	1.13 A	0.760	74.00 %	1.53 N·m	6.20

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%) 74.1 % Partial Load (75%) 75.4 % Partial Load (50%) 73.4 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 74.0 % Partial Load (75%) 73.6 % Partial Load (50%) 69.2 %
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	71
Bearing	6203-2Z/C3
Bearing NDE	6202-2Z/C3
Lubrication	For life
IM Class	IMB5 IM3001
Terminator Box Location	Top

Dimensions

Product Net Depth / Length	239.5 mm
Product Net Height	180 mm

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Product Net Width	136 mm
Product Net Weight	5.9 kg
Gross Weight	8.9 kg

Environmental

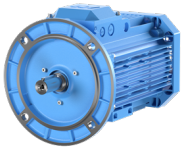
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland

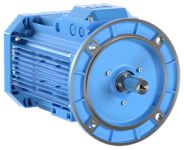
External Classifications and Standards

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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