



PRODUCT-DETAILS

# 3GAA073312-BSE

## IE2 High Efficiency Aluminum Motors, 0.25 kW, 400 V (3GAA073312-BSE)



General Information	
Product ID	3GAA073312-BSE
ABB Type Designation	M3AA 71B 6
Catalog Description	IE2 High Efficiency Aluminum Motors, 0.25 kW, 400 V (3GAA073312-BSE)

Ordering	
ABB Type Designation	M3AA 71B 6
Invoice Description	M3AA 71B 6
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) Romania (RO)
Customs Tariff Number	85015100
Stocked At (Warehouses)	Menden, Germany Sant Quirze del Vallés - BCN, Spain Shanghai, China Vittuone, Italy

Medium Description	0.25kW, 6 Poles, Frame Size 71, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA073312-BSE)
Short Description	0.25kW, 6P, Frame Size 71, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	0.25 kW	890 r/min	0.84 A	0.680	61.60 %	2.68 N·m	3.10
D	--	50 Hz	230 V	0.25 kW	890 r/min	1.45 A	0.680	61.60 %	2.68 N·m	3.10
Y	--	60 Hz	460 V	0.25 kW	1120 r/min	0.77 A	0.600	59.50 %	2.13 N·m	3.80
Connection Configuration										Y
Temperature Class Default										--
Input Voltage (U <sub>in</sub> )										400 V
Frequency (f)										50 Hz
Output Power										0.25 kW
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 61.6 % Partial Load (75%) 61.8 % Partial Load (50%) 56.7 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 59.5 % Partial Load (75%) 57.5 % Partial Load (50%) 49.9 %
IP Class										IP55
Insulation Class										ICLF
Direction of Rotation										Both sides
Number of Poles (High)										6
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

Package Level 1 Units	0 carton
Product Net Depth / Length	239.5 mm

Product Net Height	180 mm
Product Net Width	136 mm
Product Net Weight	6.5 kg
Gross Weight	9.5 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

