PRODUCT-DETAILS

3GAA062312-ASF

IE2 High Efficiency Aluminum Motors, 0.18 kW, 400 V (3GAA062312-ASF)



General Information

Product ID	3GAA062312-ASF
ABB Type Designation	M3AA 63B 4
Catalog Description	IE2 High Efficiency Aluminum Motors, 0.18 kW, 400 V (3GAA062312-ASF)

Ordering

ABB Type Designation	M3AA 63B 4
Invoice Description	M3AA 63B 4
Product Name	3-Phase squirrel cage motor
Product Type	3AA2__M3AA_IE2_AA
Country or Territory of Origin	China
Customs Tariff Number	85015100
Replaced Product ID (OLD)	3GVA062002-ASC 3GAA062312-ASE 3GAA062002-ASE 3GAA062312-ASC 3GAA062002-ASC
Stocked At	Menden, Germany

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(Warehouses)	Sant Quirze del Vallés - BCN, Spain Vittuone, Italy
Medium Description	0.18kW, 4 Poles, Frame Size 63, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA062312-ASF)
Short Description	0.18kW, 4P, Frame Size 63, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	0.18 kW	1380 r/min	0.58 A	0.680	64.70 %	1.25 N·m	3.60
D	--	50 Hz	230 V	0.18 kW	1380 r/min	1.00 A	0.680	65.90 %	1.25 N·m	3.60
Y	--	60 Hz	460 V	0.18 kW	1700 r/min	0.53 A	0.620	68.00 %	1.00 N·m	3.50

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U_{in})	400 V
Frequency (f)	50 Hz
Output Power	0.18 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 64.7 % Partial Load (75%) 62.8 % Partial Load (50%) 55.9 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 68.0 % Partial Load (75%) 65.4 % Partial Load (50%) 57.7 %
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	63
Bearing	6201-2Z/C3
Bearing NDE	6201-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Product Net Depth /	208 mm

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Length	
Product Net Height	154 mm
Product Net Width	124 mm
Product Net Weight	4.4 kg
Gross Weight	5.4 kg

Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

External Classifications and Standards

UNSPSC	26101100

Categories

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



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