PRODUCT-DETAILS

3GAA061312-ASF

IE2 High Efficiency Aluminum Motors, 0.25 kW, 400 V (3GAA061312-ASF)



General Information

Product ID	3GAA061312-ASF
ABB Type Designation	M3AA 63B 2
Catalog Description	IE2 High Efficiency Aluminum Motors, 0.25 kW, 400 V (3GAA061312-ASF)

Ordering

ABB Type Designation	M3AA 63B 2
Invoice Description	M3AA 63B 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)
Customs Tariff Number	85015100
Replaced Product ID (OLD)	3GAA061002-ASE 3GAA061062-ASA

© 2025 ABB. All rights reserved.

	3GAA061312-ASE 3GVA061002-ASC 3GAA061312-ASC 3GAA061002-ASC
Stocked At (Warehouses)	Menden, Germany Sant Quirze del Vallés - BCN, Spain Vittuone, Italy
Medium Description	0.25kW, 2 Poles, Frame Size 63, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA061312-ASF)
Short Description	0.25kW, 2P, 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	0.25 kW	2790 r/min	0.66 A	0.760	64.80 %	0.86 N·m	4.80
D	--	50 Hz	230 V	0.25 kW	2790 r/min	1.14 A	0.760	64.80 %	0.86 N·m	4.80
Y	--	60 Hz	460 V	0.25 kW	3420 r/min	0.59 A	0.710	68.00 %	0.69 N·m	5.70

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U_{in})	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%) 64.8 % Partial Load (75%) 63.2 % Partial Load (50%) 56.7 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 68.0 % Partial Load (75%) 65.4 % Partial Load (50%) 57.8 %
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	63
Bearing	6201-2Z/C3
Bearing NDE	6201-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

© 2025 ABB. All rights reserved.

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	208 mm
Product Net Height	154 mm
Product Net Width	124 mm
Product Net Weight	4.1 kg
Gross Weight	5.1 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



© 2025 ABB. All rights reserved.