



PRODUCT-DETAILS

3GAA062312-CDF

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



General Information

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

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):	3GAA062312-CBC 3GAA062002-CDE 3GAA062002-CDC

Stocked At (Warehouses):	Menden, Germany
Medium Description:	0.18kW, 4 Poles, Frame Size 63, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB14/IM3601 Mounting (3GAA062312-CDF)
Short Description:	0.18kW, 4P, Frame Size 63, 3PH, 400V, 50Hz, IP55, IMB14/IM3601

Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	0.18 kW	1380 r/min	0.34 A	0.680	64.70 %	1.25 N-m	3.60
D	--	50 Hz	400 V	0.18 kW	1380 r/min	0.58 A	0.680	64.70 %	1.25 N-m	3.60
D	--	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:	D
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:	D

Mechanical

Frame Material:	Aluminum
Frame Size:	63
Bearing:	6201-2Z/C3
Bearing NDE:	6201-2Z/C3
IM Class:	IMB14 IM3601

Terminator Box Location: D-End top

Dimensions

Product Net Depth / Length: 208 mm

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

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

