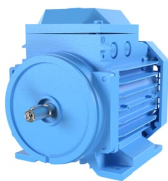




PRODUCT-DETAILS

# 3GAA062142-ASF

## IE2 High Efficiency Aluminum Motors, 0.18 kW, 400 V (3GAA062142-ASF)



General Information	
Product ID	3GAA062142-ASF
ABB Type Designation	M3AA 63B 4
Catalog Description	IE2 High Efficiency Aluminum Motors, 0.18 kW, 400 V (3GAA062142-ASF)

Ordering	
ABB Type Designation	M3AA 63B 4
Invoice Description	M3AA 63 B 4 +070 shaft acc. to FS71 D=14mm E=30mm
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)	3GVA062141-ASC 3GVA062142-ASC 3GAA062142-ASE
Stocked At (Warehouses)	Menden, Germany

Medium Description	0.18kW, 4 Poles, Frame Size 63, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA062142-ASF)
Short Description	0.18kW, 4P, Frame Size 63, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	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 <sub>in</sub> )	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

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	4.4 kg
Gross Weight	5.4 kg

**Environmental**

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

UNSPSC	26101100
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**Categories**

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

