



PRODUCT-DETAILS

3GAA102570-ASE

IE2 High Efficiency Aluminum Motors, 4 kW,
400 V (3GAA102570-ASE)

**General Information**

Product ID	3GAA102570-ASE
ABB Type Designation	M3AA 100LG 4
Catalog Description	IE2 High Efficiency Aluminum Motors, 4 kW, 400 V (3GAA102570-ASE)

Ordering

ABB Type Designation	M3AA 100LG 4
Invoice Description	M3AA 100LG 4
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	Romania (RO) Finland (FI)
Customs Tariff Number	85015220
Replaced Product ID	3GAA102003-ASE

(OLD)

Stocked At (Warehouses)	Menden, Germany
Medium Description	4kW, 4 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA102570-ASE)
Short Description	4kW, 4P, Frame Size 100, 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	4.00 kW	1415 r/min	9.10 A	0.760	83.20 %	26.90 N-m	5.50
D	--	50 Hz	230 V	4.00 kW	1415 r/min	15.80 A	0.760	83.20 %	26.90 N-m	5.50
Y	--	60 Hz	460 V	4.00 kW	1730 r/min	7.50 A	0.770	86.80 %	22.00 N-m	6.70

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	4 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE1 Full Load (100%) 83.2 % Partial Load (75%) 85.8 % Partial Load (50%) 85.5 %
IE Class Data (60 Hz)	IE Class IE1 Full Load (100%) 86.8 % Partial Load (75%) 87.6 % Partial Load (50%) 86.6 %
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	100
Bearing	6306-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	351 mm
Product Net Height	237 mm
Product Net Width	200 mm
Product Net Weight	25 kg
Gross Weight	30 kg

Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)

Classifications

UNSPSC	26101100
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Categories

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

