

PRODUCT-DETAILS

3GAA112320-ASK339

IE3 Premium Efficiency Aluminum Motors, 4 kW, 400 V (3GAA112320-ASK339)



General Information	
Product ID	3GAA112320-ASK339
ABB Type Designation	M3AA 112MB 4
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 4 kW, 400 V (3GAA112320-ASK339)

Ordering	
ABB Type Designation	M3AA 112MB 4
Invoice Description	M3AA 112MB 4 / Ex ec IIC T3 Gc / Ex tc IIIC T125C Dc
Product Name	3-Phase squirrel cage motor
Product Type	3AA3 _M3AA_IE3_AA
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Romania (RO)
Customs Tariff Number	85015220
Stocked At (Warehouses)	Menden, Germany
Medium Description	4kW, 2 Poles, Frame Size 112, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA112320-ASK339)
Short Description	4kW, 2P, Frame Size 112, 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	1451 r/min	8.60 A	0.770	88.60 %	26.30 N·m	7.60
D	--	50 Hz	230 V	4.00 kW	1451 r/min	14.90 A	0.770	88.60 %	26.30 N·m	7.60
Y	--	50 Hz	380 V	4.00 kW	1445 r/min	8.70 A	0.780	88.60 %	26.50 N·m	6.90
D	--	50 Hz	220 V	4.00 kW	1445 r/min	15.10 A	0.780	88.60 %	26.50 N·m	6.90
Y	--	50 Hz	415 V	4.00 kW	1455 r/min	8.70 A	0.730	88.60 %	26.30 N·m	8.10
Y	--	60 Hz	460 V	4.00 kW	1755 r/min	7.43 A	0.750	90.10 %	21.74 N·m	9.30
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 IE3 Full Load (100%) 88.6 % Partial Load (75%) 89.1 % Partial Load (50%) 88.3 %
IE Class Data (60 Hz)										IE Class IE3 Full Load (100%) 90.1 % Partial Load (75%) 90.5 % Partial Load (50%) 89.5 %
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										112
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	431 mm
Product Net Height	260 mm
Product Net Width	222 mm
Product Net Weight	44 kg
Gross Weight	49 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 → IE3 Premium Efficiency Aluminum Motors

