

PRODUCT-DETAILS

3GAA184410-BEK

IE3 Premium Efficiency Aluminum Motors, 11 kW, 500 V (3GAA184410-BEK)



General Information	
Product ID	3GAA184410-BEK
ABB Type Designation	M3AA 180MLA 8
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 11 kW, 500 V (3GAA184410-BEK)

Ordering	
ABB Type Designation	M3AA 180MLA 8
Invoice Description	M3AA 180MLA 8
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	Finland (FI) China (CN)
Customs Tariff Number	85015230
Medium Description	11kW, 8 Poles, Frame Size 180, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA184410-BEK)
Short Description	11kW, 8P, Frame Size 180, 3PH, 500V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	500 V	11.00 kW	731 r/min	20.30 A	0.700	88.60 %	143.60 N·m	5.00
D	--	60 Hz	575 V	11.00 kW	885 r/min	17.80 A	0.680	89.50 %	118.70 N·m	5.70
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U _{in})										500 V
Frequency (f)										50 Hz
Output Power										11 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%) 89.2 % Partial Load (50%) 88.4 %
IE Class Data (60 Hz)										IE Class IE3 Full Load (100%) 89.5 % Partial Load (75%) 89.5 % Partial Load (50%) 87.8 %
IP Class										IP55
Insulation Class										ICLF
Direction of Rotation										Both sides
Number of Poles (High)										8
Two Speed Motor										No
Type of Duty										S1
Voltage Code										E

Mechanical

Frame Material	Aluminum
Frame Size	180
Bearing	6310-2Z/C3
Bearing NDE	6209-2Z/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	726 mm
Product Net Height	405 mm
Product Net Width	341 mm
Product Net Weight	161 kg
Gross Weight	171 kg

Environmental	
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)

Classifications	
UNSPSC	26101100

Categories	
Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE3 Premium Efficiency Aluminum Motors	

