



PRODUCT-DETAILS

3GAA184410-AEG

IE2 High Efficiency Aluminum Motors, 11 kW,
500 V (3GAA184410-AEG)



General Information

Product ID	3GAA184410-AEG
ABB Type Designation	M3AA 180MLA 8
Catalog Description	IE2 High Efficiency Aluminum Motors. 11 kW. 500 V (3GAA184410-AEG)

Ordering

ABB Type Designation	M3AA 180MLA 8
Invoice Description	M3AA 180MLA 8
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	Finland (FI) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA184031-AEG
Medium Description	11kW, 8 Poles, Frame Size 180, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA184410-AEG)
Short Description	11kW, 8P, Frame Size 180, 3PH, 500V, 50Hz, IP55, IMB3/IM1001

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	22.40 A	0.670	86.70 %	143.00 N·m	4.40	
D	--	60 Hz	575 V	11.00 kW	885 r/min	18.40 A	0.660	88.60 %	118.00 N·m	5.10	
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 IE1	
										Full Load (100%) 86.7 %	
										Partial Load (75%) 88.3 %	
										Partial Load (50%) 87.8 %	
IE Class Data (60 Hz)										IE Class IE2	
										Full Load (100%) 88.6 %	
										Partial Load (75%) 89.2 %	
										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	IMB3 IM1001
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	354 mm
Product Net Weight	175 kg
Gross Weight	185 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 → IE2 High Efficiency Aluminum Motors

