

PRODUCT-DETAILS

3GAA181410-HEG

IE2 High Efficiency Aluminum Motors, 22 kW, 500 V (3GAA181410-HEG)



General Information	
Product ID	3GAA181410-HEG
ABB Type Designation	M3AA 180MLA 2
Catalog Description	IE2 High Efficiency Aluminum Motors, 22 kW, 500 V (3GAA181410-HEG)

Ordering	
ABB Type Designation	M3AA 180MLA 2
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)
Customs Tariff Number	85015230
Medium Description	22kW, 2 Poles, Frame Size 180, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA181410-HEG)
Short Description	22kW, 2P, Frame Size 180, 3PH, 500V, 50Hz, IP55, IMB35/IM2001

Electrical										
Electrical Data										
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	500 V	22.00 kW	2952 r/min	32.20 A	0.870	92.20 %	71.10 N·m	7.70
D	--	60 Hz	575 V	22.00 kW	3559 r/min	27.90 A	0.870	92.40 %	59.00 N·m	8.80
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U _{in})										500 V
Frequency (f)										50 Hz
Output Power										22 kW
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 92.2 % Partial Load (75%) 92.7 % Partial Load (50%) 92.2 %
IE Class Data (60 Hz)										IE Class IE3 Full Load (100%) 92.4 % Partial Load (75%) 92.4 % Partial Load (50%) 91.2 %
IP Class										IP55
Insulation Class										ICLF
Direction of Rotation										Both sides
Number of Poles (High)										2
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										IMB35 IM2001
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										132 kg
Gross Weight										142 kg

Environmental	
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	

