

PRODUCT-DETAILS

3GAA161410-HEG

IE2 High Efficiency Aluminum Motors, 11 kW, 500 V (3GAA161410-HEG)



General Information	
Product ID	3GAA161410-HEG
ABB Type Designation	M3AA 160MLA 2
Catalog Description	IE2 High Efficiency Aluminum Motors, 11 kW, 500 V (3GAA161410-HEG)

Ordering	
ABB Type Designation	M3AA 160MLA 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	11kW, 2 Poles, Frame Size 160, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA161410-HEG)
Short Description	11kW, 2P, Frame Size 160, 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	11.00 kW	2938 r/min	15.60 A	0.900	90.60 %	35.70 N·m	7.50	
D	--	60 Hz	575 V	11.00 kW	3547 r/min	13.60 A	0.900	91.40 %	29.60 N·m	8.60	
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 IE2 Full Load (100%) 90.6 % Partial Load (75%) 91.5 % Partial Load (50%) 91.1 %
IE Class Data (60 Hz)											IE Class IE3 Full Load (100%) 91.4 % Partial Load (75%) 91.5 % Partial Load (50%) 90.3 %
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											160
Bearing											6309-2Z/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											584 mm
Product Net Height											370 mm
Product Net Width											310.5 mm
Product Net Weight											91 kg
Gross Weight											101 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	

