



PRODUCT-DETAILS

3GAA201410-HEK
IE3 Premium Efficiency Aluminum Motors, 30 kW, 500 V (3GAA201410-HEK)



General Information

Product ID	3GAA201410-HEK
ABB Type Designation	M3AA 200MLA 2
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 30 kW, 500 V (3GAA201410-HEK)

Ordering

ABB Type Designation	M3AA 200MLA 2
Invoice Description	M3AA 200MLA 2
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)
Customs Tariff Number	85015230
Medium Description	30kW, 2 Poles, Frame Size 200, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA201410-HEK)
Short Description	30kW, 2P, Frame Size 200, 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	30.00 kW	2962 r/min	42.50 A	0.870	93.30 %	96.74 N·m	7.80
D	--	60 Hz	575 V	30.00 kW	3568 r/min	36.90 A	0.870	92.40 %	80.31 N·m	9.20
Connection Configuration										D
Temperature Class										--
Default										
Input Voltage (U _{in})										500 V
Frequency (f)										50 Hz
Output Power										30 kW
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE3 Full Load (100%) 93.3 % Partial Load (75%) 93.4 % Partial Load (50%) 92.6 %
IE Class Data (60 Hz)										IE Class IE3 Full Load (100%) 92.4 % Partial Load (75%) 92.2 % Partial Load (50%) 91.0 %
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	200
Bearing	6312-2Z/C3
Bearing NDE	6210-2Z/C3
IM Class	IMB35 IM2001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	821 mm
Product Net Height	532 mm
Product Net Width	380 mm
Product Net Weight	225 kg
Gross Weight	235 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
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Categories

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

