



PRODUCT-DETAILS

3GAA201420-AEK

IE3 Premium Efficiency Aluminum Motors, 37 kW, 500 V (3GAA201420-AEK)



General Information

Product ID	3GAA201420-AEK
ABB Type Designation	M3AA 200MLB 2
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 37 kW, 500 V (3GAA201420-AEK)

Ordering

ABB Type Designation	M3AA 200MLB 2
Invoice Description	M3AA 200MLB 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) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA201052-AEK
Medium Description	37kW, 2 Poles, Frame Size 200, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA201420-AEK)
Short Description	37kW, 2P, Frame Size 200, 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	37.00 kW	2961 r/min	51.70 A	0.880	93.70 %	119.30 N·m	8.20
D	--	60 Hz	575 V	37.00 kW	3564 r/min	44.60 A	0.880	93.00 %	99.10 N·m	9.20
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U <sub>in</sub> )										500 V
Frequency (f)										50 Hz
Output Power										37 kW
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE3 Full Load (100%) 93.7 % Partial Load (75%) 94.1 % Partial Load (50%) 93.8 %
IE Class Data (60 Hz)										IE Class IE3 Full Load (100%) 93.0 % Partial Load (75%) 92.8 % 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	200
Bearing	6312-2Z/C3
Bearing NDE	6210-2Z/C3
IM Class	IMB3 IM1001
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	241 kg
Gross Weight	251 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

