



PRODUCT-DETAILS

# 3GAA201420-HDK

## IE3 Premium Efficiency Aluminum Motors, 37 kW, 400 V (3GAA201420-HDK)



General Information

Product ID	3GAA201420-HDK
ABB Type Designation	M3AA 200MLB 2
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 37 kW, 400 V (3GAA201420-HDK)

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)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA201052-HDK
Medium Description	37kW, 2 Poles, Frame Size 200, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA201420-HDK)
Short Description	37kW, 2P, Frame Size 200, 3PH, 400V, 50Hz, IP55, IMB35/IM2001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	37.00 kW	2961 r/min	37.50 A	0.880	93.70 %	119.30 N·m	8.20
D	--	50 Hz	400 V	37.00 kW	2961 r/min	64.40 A	0.880	93.70 %	119.30 N·m	8.20
Y	--	50 Hz	660 V	37.00 kW	2955 r/min	38.80 A	0.890	93.70 %	119.00 N·m	7.40
D	--	50 Hz	380 V	37.00 kW	2955 r/min	67.40 A	0.890	93.70 %	119.00 N·m	7.40
D	--	50 Hz	415 V	37.00 kW	2965 r/min	63.10 A	0.870	93.70 %	119.00 N·m	8.80
D	--	60 Hz	460 V	37.00 kW	3564 r/min	56.70 A	0.880	93.00 %	99.10 N·m	9.20
Connection Configuration										D
Temperature Class										--
Default										
Input Voltage (U <sub>in</sub> )										400 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%) 94.0 % Partial Load (50%) 93.5 %
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										D

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	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
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Categories

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

