

PRODUCT-DETAILS

3GAA201430-HEK

IE3 Premium Efficiency Aluminum Motors, 45 kW, 500 V (3GAA201430-HEK)



General Information	
Product ID	3GAA201430-HEK
ABB Type Designation	M3AA 200MLC 2
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 45 kW, 500 V (3GAA201430-HEK)

Ordering	
ABB Type Designation	M3AA 200MLC 2
Invoice Description	M3AA 200MLC 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	85015290
Replaced Product ID (OLD)	3GAA201053-HEK
Medium Description	45kW, 2 Poles, Frame Size 200, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA201430-HEK)

Short Description

45kW, 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	45.00 kW	2954 r/min	61.80 A	0.890	94.00 %	145.30 N·m	7.60
D	--	60 Hz	575 V	45.00 kW	3562 r/min	53.50 A	0.890	93.60 %	120.62 N·m	8.50

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	500 V
Frequency (f)	50 Hz
Output Power	45 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 94.0 % Partial Load (75%) 94.7 % Partial Load (50%) 94.9 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 93.6 % Partial Load (75%) 94.1 % Partial Load (50%) 93.8 %
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	250 kg

Gross Weight	260 kg
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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

