



PRODUCT-DETAILS

3GAA203410-ASK

IE3 Premium Efficiency Aluminum Motors, 18.5 kW, 400 V (3GAA203410-ASK)



General Information

Product ID	3GAA203410-ASK
ABB Type Designation	M3AA 200MLA 6
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 18.5 kW, 400 V (3GAA203410-ASK)

Ordering

ABB Type Designation	M3AA 200MLA 6
Invoice Description	M3AA 200MLA 6
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)	3GAA203051-ASK
Stocked At (Warehouses)	Menden, Germany
Medium Description	18.5kW, 6 Poles, Frame Size 200, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA203410-ASK)
Short Description	18.5kW, 6P, Frame Size 200, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	18.50 kW	990 r/min	37.30 A	0.770	91.70 %	178.00 N·m	7.50
D	--	50 Hz	230 V	18.50 kW	990 r/min	65.20 A	0.770	91.70 %	178.00 N·m	7.50
Y	--	50 Hz	380 V	18.50 kW	989 r/min	37.80 A	0.800	91.70 %	178.00 N·m	7.00
D	--	50 Hz	220 V	18.50 kW	989 r/min	65.60 A	0.800	91.70 %	178.00 N·m	7.00
Y	--	50 Hz	415 V	18.50 kW	991 r/min	37.40 A	0.740	91.70 %	178.00 N·m	7.80
Y	--	60 Hz	460 V	18.50 kW	1191 r/min	32.30 A	0.770	93.30 %	148.00 N·m	8.60

Connection Configuration	Y
Temperature Class	--
Default	
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	18.5 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 91.7 % Partial Load (75%) 91.9 % Partial Load (50%) 90.9 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 93.3 % Partial Load (75%) 93.2 % Partial Load (50%) 92.1 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	6
Two Speed Motor	No
Type of Duty	S1
Voltage Code	S

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	218 kg

Gross Weight	228 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

