PRODUCT-DETAILS

3GAA092540-ASK

IE3 Premium Efficiency Aluminum Motors, 1.5 kW, 400 V (3GAA092540-ASK)



General Information

Product ID:	3GAA092540-ASK
ABB Type Designation:	M3AA 90LD 4
Catalog Description:	IE3 Premium Efficiency Aluminum Motors, 1.5 kW, 400 V (3GAA092540-ASK)
Display Name:	3GAA092540-ASK

Ordering

ABB Type Designation:	M3AA 90LD 4
Invoice Description:	M3AA 90LD 4
Product Name:	3-Phase squirrel cage motor
Product Type:	3AA3__M3AA_IE3_AA
Country of Origin:	Finland China Romania
Customs Tariff Number:	85015220

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Stocked At (Warehouses):	Menden, Germany Sant Quirze del Vallés - BCN, Spain Vittuone, Italy
Medium Description:	1.5kW, 4 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA092540-ASK)
Short Description:	1.5kW, 4P, Frame Size 90, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Connection	Temp Class	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	Frequency	Network Voltage
Y	--	1.5 kW	1439.0 r/min	3.2 A	0.78	85.3 %	10.0 N·m	8.2	50.0 Hz	400.0 V
D	--	1.5 kW	1432.0 r/min	5.7 A	0.81	85.3 %	10.0 N·m	7.3	50.0 Hz	220.0 V
D	--	1.5 kW	1439.0 r/min	5.6 A	0.78	85.3 %	10.0 N·m	8.2	50.0 Hz	230.0 V
Y	--	1.5 kW	1445.0 r/min	3.2 A	0.75	85.3 %	9.9 N·m	8.5	50.0 Hz	415.0 V
Y	--	1.5 kW	1432.0 r/min	3.3 A	0.81	85.3 %	10.0 N·m	7.3	50.0 Hz	380.0 V
Y	--	1.5 kW	1748.0 r/min	2.9 A	0.75	86.5 %	8.2 N·m	9.5	60.0 Hz	460.0 V

Connection Configuration:	Y
Temperature Class Default:	--
Input Voltage (U_{in}):	400 V
Frequency (f):	50 Hz
Output Power:	1.5 kW
Altitude:	1000 m
Ambient Temperature:	40 °C
IC Class:	IC411
IE Class Data (50 Hz):	IE Class IE3 Full Load (100%) 85.3 % Partial Load (75%) 84.7 % Partial Load (50%) 82.8 %
IE Class Data (60 Hz):	IE Class IE3 Full Load (100%) 86.5 % Partial Load (75%) 85.1 % Partial Load (50%) 82.0 %
IP Class:	IP55
Insulation Class:	ICLF
Direction of Rotation:	Both sides
Number of Poles (High):	4
Two Speed Motor:	No
Type of Duty:	S1
Voltage Code:	S

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Mechanical

Frame Material:	Aluminum
Frame Size:	90
Bearing:	6205-2Z/C3
Bearing NDE:	6204-2Z/C3
IM Class:	IMB3 IM1001
Terminator Box Location:	D-End top

Dimensions

Product Net Depth / Length:	332.0 mm
Product Net Height:	217.0 mm
Product Net Width:	170.0 mm
Product Net Weight:	19.0 kg
Gross Weight:	22.0 kg

Environmental

WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)
SCIP:	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland

External Classifications and Standards

UNSPSC:	26101100

Categories

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

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