

PRODUCT-DETAILS

## 3GAA093540-ASE

IE2 High Efficiency Aluminum Motors, 1.1 kW,  
400 V (3GAA093540-ASE)



### General Information

Product ID	3GAA093540-ASE
ABB Type Designation	M3AA 90LD 6
Catalog Description	IE2 High Efficiency Aluminum Motors, 1.1 kW, 400 V (3GAA093540-ASE)

### Additional Information

ABB Type Designation	M3AA 90LD 6
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6205-2Z/C3
Bearing NDE	6204-2Z/C3
Connection Configuration	Y
Country of Origin	China (CN) Finland (FI) Romania (RO) Poland (PL)
Customs Tariff Number	85015220
Electrical Data	

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	1.10 kW	935 r/min	2.94 A	0.660	78.20 %	11.20 N-m	4.20
D	--	50 Hz	230 V	1.10 kW	935 r/min	5.04 A	0.660	78.20 %	11.20 N-m	4.20
Y	--	60 Hz	460 V	1.10 kW	1141 r/min	2.60 A	0.640	80.30 %	9.10 N-m	5.00

Frame Material	Aluminum
Frame Size	90
Frequency (f)	50 Hz
Gross Weight	23 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 78.2 % Partial Load (75%) 79.2 % Partial Load (50%) 77.5 %
IE Class Data (60 Hz)	IE Class IE1 Full Load (100%) 80.3 % Partial Load (75%) 80.0 % Partial Load (50%) 77.1 %
IM Class	IMB3 IM1001
Input Voltage (U <sub>in</sub> )	400 V
Insulation Class	ICLF
Invoice Description	M3AA 90LD 6
IP Class	IP55
Made To Order	No
Medium Description	1.1kW, 6 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA093540-ASE)
Minimum Order Quantity	1 piece
Number of Poles (High)	6
Order Multiple	1 piece
Output Power	1.1 kW
Package Level 1 Units	0 carton
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	331.5 mm
Product Net Height	217 mm
Product Net Weight	20 kg
Product Net Width	177 mm
Product Type	3AA2_M3AA_IE2_AA
Quote Only	No
Replaced Product ID (OLD)	3GAA093444-ASE 3GAA093314-ASE
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)
Selling Unit of Measure	piece
Short Description	1.1kW, 6P, Frame Size 90, 3PH, 400V, 50Hz, IP55, IMB3/IM1001
Stocked At (Warehouses)	Menden, Germany Shanghai, China Vittuone, Italy
Temperature Class Default	--
Terminator Box Location	Top
Two Speed Motor	No
Type of Duty	S1
UNSPSC	26101100
Voltage Code	S
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

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## Categories

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Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Aluminum Motors

