



PRODUCT-DETAILS

3GAA092540-AFE

IE2 High Efficiency Aluminum Motors, 1.5 kW,
500 V (3GAA092540-AFE)



General Information

Product ID	3GAA092540-AFE
ABB Type Designation	M3AA 90LD 4
Catalog Description	IE2 High Efficiency Aluminum Motors, 1.5 kW, 500 V (3GAA092540-AFE)

Ordering

ABB Type Designation	M3AA 90LD 4
Invoice Description	M3AA 90LD 4
Product Name	3-Phase squirrel cage motor
Product Type	3AA2_M3AA_IE2_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	85015220
Replaced Product ID (OLD)	3GAA092315-AFE
Medium Description	1.5kW, 4 Poles, Frame Size 90, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA092540-AFE)
Short Description	1.5kW, 4P, Frame Size 90, 3PH, 500V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data											
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	
Y	--	50 Hz	500 V	1.50 kW	1435 r/min	2.70 A	0.760	84.20 %	9.90 N·m	7.00	
Connection Configuration											Y
Temperature Class Default											--
Input Voltage (U _{in})											500 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 IE2 Full Load (100%) 84.2 % Partial Load (75%) 84.1 % Partial Load (50%) 81.9 %
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											F

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

Package Level 1 Units	0 carton
Product Net Depth / Length	331.5 mm
Product Net Height	217 mm
Product Net Width	177 mm
Product Net Weight	17 kg
Gross Weight	20 kg

Environmental

WEEE Category	5. Small Equipment (No 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 → IE2 High Efficiency Aluminum Motors

