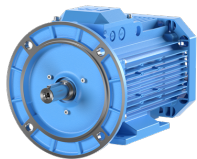




PRODUCT-DETAILS

3GAA091500-HEE

IE2 High Efficiency Aluminum Motors, 1.5 kW,
500 V (3GAA091500-HEE)



General Information

Product ID	3GAA091500-HEE
ABB Type Designation	M3AA 90L 2
Catalog Description	IE2 High Efficiency Aluminum Motors, 1.5 kW, 500 V (3GAA091500-HEE)

Ordering

ABB Type Designation	M3AA 90L 2
Invoice Description	M3AA 90L 2
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) China (CN)
Customs Tariff Number	85015220
Stocked At (Warehouses)	Shanghai, China
Medium Description	1.5kW, 2 Poles, Frame Size 90, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA091500-HEE)
Short Description	1.5kW, 2P, Frame Size 90, 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	1.50 kW	2900 r/min	2.30 A	0.860	84.10 %	4.90 N·m	7.60
D	--	60 Hz	575 V	1.50 kW	3510 r/min	2.00 A	0.840	85.10 %	4.00 N·m	8.40
Connection Configuration										D
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%) 84.1 % Partial Load (75%) 85.0 % Partial Load (50%) 83.5 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 85.1 % Partial Load (75%) 85.0 % Partial Load (50%) 82.9 %
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	90
Bearing	6205-2Z/C3
Bearing NDE	6204-2Z/C3
IM Class	IMB35 IM2001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	309.5 mm
Product Net Height	217 mm
Product Net Width	177 mm
Product Net Weight	16 kg
Gross Weight	19 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

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

