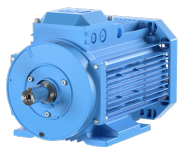




PRODUCT-DETAILS

3GAA091520-AFE

IE2 High Efficiency Aluminum Motors, 2.2 kW, 500 V (3GAA091520-AFE)



General Information	
Product ID	3GAA091520-AFE
ABB Type Designation	M3AA 90LB 2
Catalog Description	IE2 High Efficiency Aluminum Motors, 2.2 kW, 500 V (3GAA091520-AFE)

Ordering	
ABB Type Designation	M3AA 90LB 2
Invoice Description	M3AA 90LB 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) Poland (PL)
Customs Tariff Number	85015220
Replaced Product ID (OLD)	3GAA091313-AFE
Medium Description	2.2kW, 2 Poles, Frame Size 90, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA091520-AFE)

Short Description

2.2kW, 2P, 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	2.20 kW	2875 r/min	3.50 A	0.850	84.60 %	7.30 N·m	6.90
Y	--	60 Hz	575 V	2.20 kW	3480 r/min	3.00 A	0.850	85.80 %	6.00 N·m	7.90

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U _{in})	500 V
Frequency (f)	50 Hz
Output Power	2.2 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 84.6 % Partial Load (75%) 85.7 % Partial Load (50%) 85.5 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 85.8 % Partial Load (75%) 85.9 % Partial Load (50%) 84.2 %
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	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	309.5 mm
Product Net Height	217 mm
Product Net Width	177 mm
Product Net Weight	18 kg

Gross Weight	21 kg
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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

