

PRODUCT-DETAILS

3GAA091313-ASET1

IE2 High Efficiency Aluminum Motors, 2.2 kW, 400 V (3GAA091313-ASET1)

"No longer for sale" replaced by 3GAA091520-



General Information	
Product ID	3GAA091313-ASET1
ABB Type Designation	M3AA 90LB 2
Catalog Description	IE2 High Efficiency Aluminum Motors, 2.2 kW, 400 V (3GAA091313-ASET1)
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	Poland (PL) Sweden (SE) China (CN)
Customs Tariff Number	85015220
Medium Description	2.2kW, 2 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA091313-ASET1)
Short Description	2.2kW, 2P, Frame Size 90, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data										
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	2.20 kW	2870 r/min	4.40 A	0.860	84.60 %	7.30 N·m	6.90
D	--	50 Hz	230 V	2.20 kW	2870 r/min	7.65 A	0.860	84.60 %	7.30 N·m	6.90
Y	--	60 Hz	460 V	2.20 kW	3480 r/min	3.70 A	0.870	85.80 %	6.00 N·m	7.90
Connection Configuration										Y
Temperature Class Default										--
Input Voltage (U _{in})										400 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%) 85.6 % Partial Load (50%) 84.8 %
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
Number of Poles (High)										2
Two Speed Motor										No
Type of Duty										S1
Voltage Code										S

Mechanical

Frame Material	Aluminum
Frame Size	90
Bearing	6205-2Z/C3
Bearing NDE	6204-2Z/C3
Lubrication	For life
IM Class	IMB3 IM1001
Terminator Box Location	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)
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Classifications

Standards	IEC 60034-1
UNSPSC	26101100

Categories

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

