



PRODUCT-DETAILS

3GAA092002-BSE

M2AA 90L 4

General Information

Product ID	3GAA092002-BSE
ABB Type Designation	M2AA 90L 4
Catalog Description	M2AA 90L 4

Ordering

ABB Type Designation	M2AA 90L 4
Invoice Description	M2AA 90L 4
Product Name	3-Phase squirrel cage motor
Product Type	2AA1__M2AA_IE1_AA
Made To Order	No
Minimum Order Quantity	1 piece
Selling Unit of Measure	piece
Country of Origin	China (CN) Sweden (SE) Romania (RO) Poland (PL)
Customs Tariff Number	85015220
Replaced Product ID (OLD)	3GAA092002-BSA 3GAA092062-BSA
Stocked At (Warehouses)	Sant Quirze del Vallés - BCN, Spain Alabama, United States

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	1.50 kW	1420 r/min	3.50 A	0.750	81.30 %	10.00 N·m	5.80
D	--	50 Hz	230 V	1.50 kW	1420 r/min	6.09 A	0.750	81.30 %	10.00 N·m	5.80
Y	--	50 Hz	415 V	1.50 kW	1430 r/min	3.60 A	0.720	80.10 %	10.00 N·m	6.00
Y	--	60 Hz	460 V	1.50 kW	1735 r/min	3.00 A	0.730	83.60 %	8.20 N·m	6.90

Temperature Class	--
Default	
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE1 Full Load (100%) 80.1 % Partial Load (75%) 79.8 % Partial Load (50%) 76.9 %
IE Class Data (60 Hz)	IE Class IE1 Full Load (100%) 83.6 % Partial Load (75%) 83.6 % Partial Load (50%) 81.1 %
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	S

Mechanical

Frame Material	Aluminum
Frame Size	90
Bearing	6205-2Z/C3
Bearing NDE	6204-2Z/C3
Lubrication	For life
IM Class	IMB5 IM3001
Terminator Box Location	Top

Dimensions

Package Level 1 Units	0 carton
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

Standards	IEC 60034-1
UNSPSC	26101100

Categories

Motors and Generators → IEC Low Voltage AC Motors → Legacy IEC Low Voltage Motors → Aluminum Motors

Motors and Generators → IEC Low Voltage AC Motors → Marine Motors → Marine General Performance Motors