



PRODUCT-DETAILS

3GAA091001-BSE
M2AA 90S 2

General Information

Product ID	3GAA091001-BSE
ABB Type Designation	M2AA 90S 2
Catalog Description	M2AA 90S 2

Ordering

ABB Type Designation	M2AA 90S 2
Invoice Description	M2AA 90S 2
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)	3GAA091061-BSA 3GAA091001-BSA

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	2895 r/min	3.60 A	0.750	78.50 %	4.90 N·m	6.40
D	--	50 Hz	230 V	1.50 kW	2895 r/min	6.26 A	0.750	78.50 %	4.90 N·m	6.40
Y	--	50 Hz	415 V	1.50 kW	2905 r/min	4.00 A	0.670	77.20 %	4.90 N·m	6.40
Y	--	60 Hz	460 V	1.50 kW	3510 r/min	3.00 A	0.760	81.70 %	4.00 N·m	7.30

Temperature Class	--
Default	
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE1 Full Load (100%) 77.2 % Partial Load (75%) 74.6 % Partial Load (50%) 67.1 %

IE Class Data (60 Hz)	IE Class IE1
	Full Load (100%) 81.7 %
	Partial Load (75%) 81.4 %
	Partial Load (50%) 78.5 %
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	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	13 kg
Gross Weight	16 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