



PRODUCT-DETAILS

3GAA092001-ASE
M2AA 90S 4

General Information	
Product ID	3GAA092001-ASE
ABB Type Designation	M2AA 90S 4
Catalog Description	M2AA 90S 4

Ordering	
ABB Type Designation	M2AA 90S 4
Invoice Description	M2AA 90S 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	Spain (ES) China (CN) Sweden (SE) Romania (RO)
Customs Tariff Number	85015220
Replaced Product ID (OLD)	3GAA092001-ASA 3GAA092061-ASA

Electrical											
Electrical Data											
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	
Y	--	50 Hz	400 V	1.10 kW	1420 r/min	2.60 A	0.770	77.20 %	7.30 N·m	4.80	
D	--	50 Hz	230 V	1.10 kW	1420 r/min	4.52 A	0.770	77.20 %	7.30 N·m	4.80	
Y	--	50 Hz	415 V	1.10 kW	1430 r/min	2.60 A	0.740	76.70 %	7.30 N·m	5.00	
Y	--	60 Hz	460 V	1.10 kW	1730 r/min	2.20 A	0.750	80.90 %	6.00 N·m	5.80	
Temperature Class Default											--

Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE1 Full Load (100%) 76.7 % Partial Load (75%) 76.3 % Partial Load (50%) 72.4 %
IE Class Data (60 Hz)	IE Class IE1 Full Load (100%) 80.9 % Partial Load (75%) 81.3 % Partial Load (50%) 78.7 %
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	IMB3 IM1001
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