

PRODUCT-DETAILS

3GAA111101-BDE
M2AA 112M 2



General Information	
Product ID	3GAA111101-BDE
ABB Type Designation	M2AA 112M 2
Catalog Description	M2AA 112M 2
Ordering	
ABB Type Designation	M2AA 112M 2
Invoice Description	M2AA 112M 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	Spain (ES) China (CN) Sweden (SE) Romania (RO) Poland (PL)
Customs Tariff Number	85015220
Replaced Product ID (OLD)	3GAA111061-BDA 3GAA111001-BDA 3GAA101101-BDE

Electrical											
Electrical Data											
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	
Y	--	50 Hz	690 V	4.00 kW	2885 r/min	4.59 A	0.850	85.70 %	13.20 N·m	7.40	
D	--	50 Hz	400 V	4.00 kW	2885 r/min	7.90 A	0.850	85.70 %	13.20 N·m	7.40	
D	--	50 Hz	415 V	4.00 kW	2895 r/min	7.80 A	0.830	85.30 %	13.20 N·m	7.60	
D	--	60 Hz	460 V	4.00 kW	3500 r/min	6.60 A	0.870	87.30 %	10.90 N·m	8.70	
Temperature Class Default										--	
Altitude										1000 m	
Ambient Temperature										40 °C	
IC Class										IC411	
IE Class Data (50 Hz)										IE Class IE1 Full Load (100%) 85.3 % Partial Load (75%) 86.0 % Partial Load (50%) 84.6 %	
IE Class Data (60 Hz)										IE Class IE1 Full Load (100%) 87.3 % Partial Load (75%) 88.0 % Partial Load (50%) 86.7 %	
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										D	
Mechanical											
Frame Material										Aluminum	
Frame Size										112	
Bearing										6306-2Z/C3	
Bearing NDE										6205-2Z/C3	
Lubrication										For life	
IM Class										IMB5 IM3001	
Terminator Box Location										Top	
Dimensions											
Package Level 1 Units										0 carton	
Product Net Weight										26 kg	
Gross Weight										31 kg	
Environmental											
WEEE Category						5. Small Equipment (No External Dimension More Than 50 cm)					

Classifications

Standards	IEC 60034-1
UNSPSC	26101100

Categories

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

