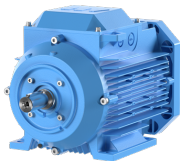


PRODUCT-DETAILS

# 3GAA112320-ADE

## IE2 High Efficiency Aluminum Motors, 4 kW, 400 V (3GAA112320-ADE)



General Information	
Product ID	3GAA112320-ADE
ABB Type Designation	M3AA 112MB 4
Catalog Description	IE2 High Efficiency Aluminum Motors, 4 kW, 400 V (3GAA112320-ADE)

Ordering	
ABB Type Designation	M3AA 112MB 4
Invoice Description	M3AA 112MB 4
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	Romania (RO) Finland (FI) China (CN) Poland (PL)
Customs Tariff Number	85015220
Replaced Product ID (OLD)	3GAA112312-ADE

Stocked At (Warehouses)	Menden, Germany Shanghai, China Vittuone, Italy
Medium Description	4kW, 4 Poles, Frame Size 112, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA112320-ADE)
Short Description	4kW, 4P, Frame Size 112, 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	690 V	4.00 kW	1445 r/min	5.00 A	0.750	86.70 %	26.40 N·m	7.30
D	--	50 Hz	400 V	4.00 kW	1445 r/min	8.80 A	0.750	86.70 %	26.40 N·m	7.30
D	--	60 Hz	460 V	4.00 kW	1745 r/min	7.40 A	0.770	87.60 %	21.80 N·m	8.20
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U <sub>in</sub> )										400 V
Frequency (f)										50 Hz
Output Power										4 kW
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 86.7 % Partial Load (75%) 86.5 % Partial Load (50%) 85.2 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 87.6 % Partial Load (75%) 87.5 % Partial Load (50%) 85.7 %
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										D

Mechanical

Frame Material	Aluminum
Frame Size	112
Bearing	6306-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	393 mm
Product Net Height	249 mm
Product Net Width	230 mm
Product Net Weight	34 kg
Gross Weight	39 kg

Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)

Classifications

UNSPSC	26101100
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Categories

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

