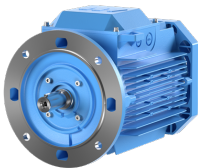


PRODUCT-DETAILS

# 3GAA111320-BDE053

## IE2 High Efficiency Aluminum Motors, 4 kW, 400 V (3GAA111320-BDE053)



General Information	
Product ID	3GAA111320-BDE053
ABB Type Designation	M3AA 112MB 2
Catalog Description	IE2 High Efficiency Aluminum Motors, 4 kW, 400 V (3GAA111320-BDE053)

Ordering	
ABB Type Designation	M3AA 112MB 2
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	Finland (FI) China (CN) Poland (PL)
Customs Tariff Number	85015220
Stocked At (Warehouses)	Menden, Germany
Medium Description	4kW, 2P, Frame Size 112, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA111320-BDE053)

Short Description

4kW, 2P, Frame Size 112, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

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	4.30 A	0.880	86.10 %	13.20 N·m	7.60
D	--	50 Hz	400 V	4.00 kW	2885 r/min	7.60 A	0.880	86.10 %	13.20 N·m	7.60
D	--	60 Hz	460 V	4.00 kW	3490 r/min	6.20 A	0.910	87.60 %	10.90 N·m	8.10

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%) 86.1 % Partial Load (75%) 87.0 % Partial Load (50%) 88.0 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 87.6 % Partial Load (75%) 88.4 % Partial Load (50%) 87.8 %
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
IM Class	IMB5 IM3001
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	30 kg
Gross Weight	35 kg

Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
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Classifications

UNSPSC	26101100
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Categories

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

