

PRODUCT-DETAILS

# 3GBA111320-BDD

## IE3 Premium Efficiency Cast Iron Motor 4 kW, 400 V (3GBA111320-BDD)




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### General Information

Product ID	3GBA111320-BDD
ABB Type Designation	M2BAX 112MB 2
Catalog Description	IE3 Premium Efficiency Cast Iron Motor 4 kW, 400 V (3GBA111320-BDD)

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### Ordering

ABB Type Designation	M2BAX 112MB 2
Invoice Description	M2BAX 112MB 2
Product Name	3-Phase squirrel cage motor
Product Type	EBA3_M2BAX_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	China (CN)
Customs Tariff Number	85015220
Stocked At (Warehouses)	Menden, Germany Shanghai, China

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### 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	2909 r/min	4.13 A	0.920	88.10 %	13.13 N·m	9.60
D	--	50 Hz	400 V	4.00 kW	2909 r/min	7.12 A	0.920	88.10 %	13.13 N·m	9.60
Y	--	50 Hz	660 V	4.00 kW	2902 r/min	4.27 A	0.930	88.10 %	13.18 N·m	8.60
D	--	50 Hz	380 V	4.00 kW	2902 r/min	7.42 A	0.930	88.10 %	13.18 N·m	8.60

Connection Configuration	D
Temperature Class	--
Default	
Input Voltage ( $U_{in}$ )	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 IE3 Full Load (100%) 88.1 % Partial Load (75%) 88.6 % Partial Load (50%) 88.1 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 88.5 % Partial Load (75%) 88.2 % 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	Cast Iron
Frame Size	112
Bearing	6206-2Z/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	411 mm
Product Net Height	252 mm
Product Net Width	230 mm
Product Net Weight	42 kg
Gross Weight	47 kg

## Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
SCIP	d19446d4-4db6-4ddb-826d-2341a0f7dd46 Finland (FI)

## Classifications

UNSPSC	26101100
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## Categories

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Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE3 Premium Efficiency Cast Iron Motors

