

PRODUCT-DETAILS

## 3GBA101810-BDD

IE3 Premium Efficiency Cast Iron Motor 3 kW,  
400 V (3GBA101810-BDD)



### General Information

Product ID	3GBA101810-BDD
ABB Type Designation	M2BAX 100LKA 2
Catalog Description	IE3 Premium Efficiency Cast Iron Motor 3 kW, 400 V (3GBA101810-BDD)

### Ordering

ABB Type Designation	M2BAX 100LKA 2
Invoice Description	M2BAX 100LKA 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

### Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	3.00 kW	2906 r/min	3.10 A	0.930	87.10 %	9.89 N·m	9.50
D	--	50 Hz	400 V	3.00 kW	2906 r/min	5.35 A	0.930	87.10 %	9.89 N·m	9.50
Y	--	50 Hz	660 V	3.00 kW	2893 r/min	3.24 A	0.930	87.10 %	9.93 N·m	8.50
D	--	50 Hz	380 V	3.00 kW	2893 r/min	5.63 A	0.930	87.10 %	9.93 N·m	8.50

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	3 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 87.1 % Partial Load (75%) 87.8 % Partial Load (50%) 88.1 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 88.5 % Partial Load (75%) 88.5 % Partial Load (50%) 87.6 %
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	100
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	240 mm
Product Net Width	200 mm
Product Net Weight	42 kg
Gross Weight	47 kg

## Environmental

WEEE Category

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

SCIP

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## Classifications

UNSPSC

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## Categories

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

