



 PRODUCT-DETAILS

3GBA111310-BEC

IE2 High Efficiency Cast Iron Motors, 4 kW,
500 V (3GBA111310-BEC)



General Information

Product ID	3GBA111310-BEC
ABB Type Designation	M2BAX 112MA 2
Catalog Description	IE2 High Efficiency Cast Iron Motors, 4 kW, 500 V (3GBA111310-BEC)

Ordering

ABB Type Designation	M2BAX 112MA 2
Invoice Description	M2BAX 112MA 2
Product Name	3-Phase squirrel cage motor
Product Type	EBA2__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) Poland (PL)
Customs Tariff Number	85015220
Replaced Product ID	3GBA111212-BEB

(OLD)

Stocked At
(Warehouses)Menden, Germany
Västerås, Sweden**Electrical**

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	500 V	4.00 kW	2903 r/min	6.13 A	0.890	85.80 %	13.08 N·m	8.50
D	--	60 Hz	575 V	4.00 kW	3513 r/min	5.27 A	0.900	84.50 %	10.80 N·m	10.30

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	500 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
IE Class Data (60 Hz)	IE Class IE1 Full Load (100%) 84.5 % Partial Load (75%) 83.3 % Partial Load (50%) 80.4 %
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	E

Mechanical

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 Weight	36 kg
Gross Weight	41 kg

Environmental

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

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Classifications

UNSPSC

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Categories

Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE2 High Efficiency Cast Iron Motors

