

PRODUCT-DETAILS

# 3GBA112310-CEC

IE2 High Efficiency Cast Iron Motors, 4 kW,  
500 V (3GBA112310-CEC)



## General Information

Product ID	3GBA112310-CEC
ABB Type Designation	M2BAX 112MA 4
Catalog Description	IE2 High Efficiency Cast Iron Motors, 4 kW, 500 V (3GBA112310-CEC)

## Ordering

ABB Type Designation	M2BAX 112MA 4
Invoice Description	M2BAX 112MA 4
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	Poland (PL)
Customs Tariff Number	85015220
Medium Description	4kW, 4 Poles, Frame Size 112, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB14/IM3601 Mounting (3GBA112310-CEC)
Short Description	4kW, 4P, Frame Size 112, 3PH, 500V, 50Hz, IP55, IMB14/IM3601

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	1433 r/min	6.56 A	0.820	86.60 %	26.53 N·m	7.20
D	--	60 Hz	575 V	4.00 kW	1740 r/min	5.72 A	0.810	87.50 %	21.91 N·m	8.50
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U <sub>in</sub> )										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 Full Load (100%) 86.6 % Partial Load (75%) 86.9 % Partial Load (50%) 86.1 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 87.5 % Partial Load (75%) 86.9 % Partial Load (50%) 85.0 %
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										E

Mechanical

Frame Material	Cast Iron
Frame Size	112
Bearing	6206-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB14 IM3601
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	41 kg
Gross Weight	46 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

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

