



PRODUCT-DETAILS

3GBA072310-BEC

IE2 High Efficiency Cast Iron Motors, 0.25 kW,  
500 V (3GBA072310-BEC)



General Information

Product ID	3GBA072310-BEC
ABB Type Designation	M2BAX 71MA 4
Catalog Description	IE2 High Efficiency Cast Iron Motors, 0.25 kW, 500 V (3GBA072310-BEC)

Ordering

ABB Type Designation	M2BAX 71MA 4
Invoice Description	M2BAX 71MA 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	China (CN) Poland (PL)
Customs Tariff Number	85015100
Replaced Product ID (OLD)	3GBA072211-BEB
Stocked At (Warehouses)	Menden, Germany
Medium Description	0.25kW, 4 Poles, Frame Size 71, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBA072310-BEC)
Short Description	0.25kW, 4P, Frame Size 71, 3PH, 500V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	500 V	0.25 kW	1416 r/min	0.56 A	0.730	68.50 %	1.69 N·m	4.60
D	--	60 Hz	575 V	0.25 kW	1731 r/min	0.51 A	0.660	70.00 %	1.38 N·m	5.40
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U <sub>in</sub> )										500 V
Frequency (f)										50 Hz
Output Power										0.25 kW
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 68.5 % Partial Load (75%) 65.9 % Partial Load (50%) 60.3 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 70.0 % Partial Load (75%) 65.5 % Partial Load (50%) 58.4 %
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	71
Bearing	6203-2Z/C3
Bearing NDE	6202-2Z/C3
Lubrication	For life
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	257 mm
Product Net Height	175 mm
Product Net Width	147 mm
Product Net Weight	9 kg
Gross Weight	12 kg

Environmental

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

Classifications	
Standards	IEC 60034-1
UNSPSC	26101100

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

