

PRODUCT-DETAILS

# 3GBA082320-AEC

## IE2 High Efficiency Cast Iron Motors, 0.75 kW, 500 V (3GBA082320-AEC)



General Information	
Product ID	3GBA082320-AEC
ABB Type Designation	M2BAX 80MB 4
Catalog Description	IE2 High Efficiency Cast Iron Motors, 0.75 kW, 500 V (3GBA082320-AEC)

Ordering	
ABB Type Designation	M2BAX 80MB 4
Invoice Description	M2BAX 80MB 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
Medium Description	0.75kW, 4 Poles, Frame Size 80, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA082320-AEC)
Short Description	0.75kW, 4P, Frame Size 80, 3PH, 500V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	500 V	0.75 kW	1438 r/min	1.50 A	0.730	79.60 %	4.97 N·m	6.20
D	--	60 Hz	575 V	0.75 kW	1748 r/min	1.36 A	0.700	78.00 %	4.09 N·m	7.30
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U <sub>in</sub> )										500 V
Frequency (f)										50 Hz
Output Power										0.75 kW
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 79.6 % Partial Load (75%) 79.5 % Partial Load (50%) 76.5 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 78.0 % Partial Load (75%) 76.7 % Partial Load (50%) 72.0 %
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	80
Bearing	6204-2Z/C3
Bearing NDE	6203-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	309 mm
Product Net Height	192 mm
Product Net Width	164 mm
Product Net Weight	18 kg
Gross Weight	21 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	

