



PRODUCT-DETAILS

# 3GBA083420-BSN

## IE4 Super Premium Efficiency Cast Iron Motors, 0.55 kW, 400 V (3GBA083420-BSN)



General Information	
Product ID	3GBA083420-BSN
ABB Type Designation	M2BAX 80MLB 6
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors, 0.55 kW, 400 V (3GBA083420-BSN)

Ordering	
ABB Type Designation	M2BAX 80MLB 6
Invoice Description	M2BAX 80MLB 6
Product Name	3-Phase squirrel cage motor
Product Type	EBA4__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	85015100
Stocked At (Warehouses)	Menden, Germany
Medium Description	0.55kW, 6 Poles, Frame Size 80, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBA083420-BSN)
Short Description	0.55kW, 6P, Frame Size 80, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data										
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	0.55 kW	957 r/min	1.42 A	0.690	80.90 %	5.47 N·m	5.10
D	--	50 Hz	230 V	0.55 kW	957 r/min	2.47 A	0.690	80.90 %	5.48 N·m	5.10
Y	--	50 Hz	380 V	0.55 kW	952 r/min	1.43 A	0.720	80.90 %	5.51 N·m	4.90
D	--	50 Hz	220 V	0.55 kW	952 r/min	2.48 A	0.720	80.90 %	5.51 N·m	4.90
Connection Configuration										Y
Temperature Class Default										--
Input Voltage (U <sub>in</sub> )										400 V
Frequency (f)										50 Hz
Output Power										0.55 kW
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE4 Full Load (100%) 80.9 % Partial Load (75%) 80.5 % Partial Load (50%) 77.3 %
IP Class										IP55
Insulation Class										ICLF
Direction of Rotation										Both sides
Number of Poles (High)										6
Two Speed Motor										No
Type of Duty										S1
Voltage Code										S

Mechanical

Frame Material	Cast Iron
Frame Size	80
Bearing	6204-2Z/C3
Bearing NDE	6204-2Z/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	367 mm
Product Net Height	192 mm
Product Net Width	154 mm
Product Net Weight	23 kg
Gross Weight	26 kg

Environmental

WEEE Category

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

Classifications

UNSPSC

26101100

Categories

Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE4 Super Premium Efficiency Cast Iron Motors

