

PRODUCT-DETAILS

3GBA083330-BSDCN  
(3GBA083330-BSDCN)



General Information	
Product ID	3GBA083330-BSDCN
ABB Type Designation	M2BAX 80MC 6
Catalog Description	(3GBA083330-BSDCN)

Ordering	
ABB Type Designation	M2BAX 80MC 6
Invoice Description	M2BAX80MC6
Product Name	3-Phase squirrel cage motor
Product Type	CBA3_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)	Shanghai, China

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	0.37 kW	939 r/min	1.09 A	0.660	73.50 %	3.80 N·m	5.60
D	--	50 Hz	230 V	0.37 kW	939 r/min	1.90 A	0.660	73.50 %	3.80 N·m	5.60
Y	--	50 Hz	380 V	0.37 kW	930 r/min	1.09 A	0.700	73.50 %	3.80 N·m	5.40
D	--	50 Hz	220 V	0.37 kW	930 r/min	1.80 A	0.700	73.50 %	3.80 N·m	5.40
Y	--	60 Hz	440 V	0.37 kW	1143 r/min	0.97 A	0.660	75.30 %	3.10 N·m	6.50
Y	--	60 Hz	460 V	0.37 kW	1148 r/min	0.97 A	0.630	75.30 %	3.08 N·m	6.80

Temperature Class	--
Default	
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 73.5 % Partial Load (75%) 71.5 % Partial Load (50%) 66.7 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 75.3 % Partial Load (75%) 71.8 % Partial Load (50%) 65.8 %
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
Lubrication	For life
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Weight	17 kg
Gross Weight	20 kg

Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
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Classifications	
Standards	IEC 60034-1
UNSPSC	26101100

Categories
Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE3 Premium Efficiency Cast Iron Motors

