



PRODUCT-DETAILS

3GBA283270-BDFCN

(3GBA283270-BDFCN)



General Information

Product ID	3GBA283270-BDFCN
ABB Type Designation	M2BAX 280SMG 6
Catalog Description	(3GBA283270-BDFCN)

Ordering

ABB Type Designation	M2BAX 280SMG 6
Invoice Description	M2BAX 280SMG6
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
Replaced Product ID (OLD)	3GBA283230-BDMCN

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	690 V	55.00 kW	989 r/min	59.60 A	0.820	94.10 %	531.00 N·m	7.70
D	--	50 Hz	400 V	55.00 kW	989 r/min	103.00 A	0.820	94.10 %	531.00 N·m	7.70
Y	--	50 Hz	660 V	55.00 kW	989 r/min	60.90 A	0.840	94.10 %	531.10 N·m	7.20
D	--	50 Hz	380 V	55.00 kW	989 r/min	106.00 A	0.840	94.10 %	531.10 N·m	7.20
D	--	60 Hz	440 V	55.00 kW	1189 r/min	92.00 A	0.830	94.50 %	438.20 N·m	8.50
D	--	60 Hz	460 V	55.00 kW	1191 r/min	90.20 A	0.810	94.50 %	437.90 N·m	9.50

Temperature Class

Default

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Altitude

1000 m

Ambient Temperature

40 °C

IC Class

IC411

IE Class Data (50 Hz)

IE Class IE3
Full Load (100%) 94.1 %
Partial Load (75%) 94.5 %
Partial Load (50%) 94.3 %

IE Class Data (60 Hz)

IE Class IE3
Full Load (100%) 94.5 %
Partial Load (75%) 94.5 %
Partial Load (50%) 93.9 %

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

D

Mechanical

Frame Material

Cast Iron

Frame Size

280

Bearing

6316/C3

Bearing NDE

6316/C3

Lubrication

Regreasable

IM Class

IMB5 IM3001

Terminator Box Location

D-End top

Dimensions

Package Level 1 Units

0 pallet (lift)

Product Net Weight

563 kg

Gross Weight 583 kg

Environmental

WEEE Category 4. Large Equipment (Any External Dimension More Than 50 cm)

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

