



PRODUCT-DETAILS

3GBA091120-BSDCN
(3GBA091120-BSDCN)



General Information

Product ID	3GBA091120-BSDCN
ABB Type Designation	M2BAX 90SB 2
Catalog Description	(3GBA091120-BSDCN)

Ordering

ABB Type Designation	M2BAX 90SB 2
Invoice Description	M2BAX90SB2
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	1.50 kW	2912 r/min	3.04 A	0.830	84.20 %	4.96 N·m	8.60
D	--	50 Hz	230 V	1.50 kW	2912 r/min	5.29 A	0.830	84.20 %	4.96 N·m	8.60
Y	--	50 Hz	380 V	1.50 kW	2901 r/min	3.12 A	0.860	84.20 %	4.96 N·m	8.00
D	--	50 Hz	220 V	1.50 kW	2901 r/min	5.39 A	0.860	84.20 %	4.96 N·m	8.00
Y	--	60 Hz	440 V	1.50 kW	3516 r/min	2.69 A	0.850	85.50 %	4.09 N·m	9.70
Y	--	60 Hz	460 V	1.50 kW	3524 r/min	2.62 A	0.830	85.50 %	4.08 N·m	10.40
Temperature Class Default										--
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE3 Full Load (100%) 84.2 % Partial Load (75%) 84.0 % Partial Load (50%) 82.5 %
IE Class Data (60 Hz)										IE Class IE3 Full Load (100%) 85.5 % Partial Load (75%) 84.5 % Partial Load (50%) 82.0 %
IP Class										IP55
Insulation Class										ICLF
Direction of Rotation										Both sides
Number of Poles (High)										2
Two Speed Motor										No
Type of Duty										S1
Voltage Code										S

Mechanical

Frame Material	Cast Iron
Frame Size	90
Bearing	6205-2Z/C3
Bearing NDE	6205-2Z/C3
Lubrication	For life
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Weight	23 kg
Gross Weight	26 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

