



PRODUCT-DETAILS

# 3GBA091110-BSNCN

## IE4 Super Premium Efficiency Cast Iron Motors, 1,5 kW, 400 V (3GBA091110-BSNCN)



General Information	
Product ID	3GBA091110-BSNCN
ABB Type Designation	M2BAX 90SA 2
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors, 1,5 kW, 400 V (3GBA091110-BSNCN)

Ordering	
ABB Type Designation	M2BAX 90SA 2
Invoice Description	M2BAX 90SA 2
Product Name	3-Phase squirrel cage motor
Product Type	CBA4__M2BAX_IE4_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	85015220
Medium Description	1.5kW, 2 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBA091110-BSNCN)
Short Description	1.5kW, 2P, Frame Size 90, 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	1.50 kW	2915 r/min	2.88 A	0.870	86.50 %	4.93 N·m	8.60
D	--	50 Hz	230 V	1.50 kW	2915 r/min	5.00 A	0.870	86.50 %	4.93 N·m	8.60
Y	--	50 Hz	380 V	1.50 kW	2903 r/min	2.96 A	0.890	86.50 %	4.95 N·m	7.80
D	--	50 Hz	220 V	1.50 kW	2903 r/min	5.11 A	0.890	86.50 %	4.95 N·m	7.80
Y	--	60 Hz	440 V	1.50 kW	3518 r/min	2.62 A	0.870	86.50 %	4.08 N·m	9.30
Y	--	60 Hz	460 V	1.50 kW	3527 r/min	2.53 A	0.860	86.50 %	4.07 N·m	10.10

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	1,5 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE4 Full Load (100%) 86.5 % Partial Load (75%) 87.4 % Partial Load (50%) 86.6 %
IE Class Data (60 Hz)	IE Class IE4 Full Load (100%) 86.5 % Partial Load (75%) 86.3 % Partial Load (50%) 84.2 %
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
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth /	334 mm

Length	
Product Net Height	217 mm
Product Net Width	170 mm
Product Net Weight	24 kg
Gross Weight	27 kg

Classifications	
UNSPSC	26101100

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

