



PRODUCT-DETAILS

3GBA092110-CEC

IE2 High Efficiency Cast Iron Motors, 1.1 kW, 500 V (3GBA092110-CEC)



General Information	
Product ID	3GBA092110-CEC
ABB Type Designation	M2BAX 90SA 4
Catalog Description	IE2 High Efficiency Cast Iron Motors, 1.1 kW, 500 V (3GBA092110-CEC)

Ordering	
ABB Type Designation	M2BAX 90SA 4
Invoice Description	M2BAX 90SA 4
Product Name	3-Phase squirrel cage motor
Product Type	EBA2__M2BAX_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Poland (PL)
Customs Tariff Number	85015220
Medium Description	1.1kW, 4 Poles, Frame Size 90, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB14/IM3601 Mounting (3GBA092110-CEC)
Short Description	1.1kW, 4P, Frame Size 90, 3PH, 500V, 50Hz, IP55, IMB14/IM3601

Electrical											
Electrical Data											
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	
D	--	50 Hz	500 V	1.10 kW	1440 r/min	2.05 A	0.760	81.40 %	7.37 N·m	6.30	
D	--	60 Hz	575 V	1.10 kW	1753 r/min	1.85 A	0.720	84.00 %	6.05 N·m	7.30	
Connection Configuration											D
Temperature Class Default											--
Input Voltage (U _{in})											500 V
Frequency (f)											50 Hz
Output Power											1.1 kW
Altitude											1000 m
Ambient Temperature											40 °C
IC Class											IC411
IE Class Data (50 Hz)											IE Class IE2 Full Load (100%) 81.4 % Partial Load (75%) 80.4 % Partial Load (50%) 77.4 %
IE Class Data (60 Hz)											IE Class IE2 Full Load (100%) 84.0 % Partial Load (75%) 82.1 % Partial Load (50%) 78.2 %
IP Class											IP55
Insulation Class											ICLF
Direction of Rotation											Both sides
Number of Poles (High)											4
Two Speed Motor											No
Type of Duty											S1
Voltage Code											E
Mechanical											
Frame Material											Cast Iron
Frame Size											90
Bearing											6205-2Z/C3
Bearing NDE											6204-2Z/C3
IM Class											IMB14 IM3601
Terminator Box Location											D-End top
Dimensions											
Package Level 1 Units											0 carton
Product Net Depth / Length											351 mm
Product Net Height											217 mm
Product Net Width											195 mm
Product Net Weight											22 kg
Gross Weight											25 kg

Environmental	
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
SCIP	d19446d4-4db6-4ddb-826d-2341a0f7dd46 Finland (FI)

Classifications	
UNSPSC	26101100

Categories	
Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE2 High Efficiency Cast Iron Motors	

