

PRODUCT-DETAILS

3GBA092110-ASC

IE2 High Efficiency Cast Iron Motors, 1.1 kW,  
400 V (3GBA092110-ASC)



General Information

Product ID	3GBA092110-ASC
ABB Type Designation	M2BAX 90SA 4
Catalog Description	IE2 High Efficiency Cast Iron Motors, 1.1 kW, 400 V (3GBA092110-ASC)

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	China (CN) Poland (PL)
Customs Tariff Number	85015220
Stocked At (Warehouses)	Shanghai, China
Medium Description	1.1kW, 4 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA092110-ASC)
Short Description	1.1kW, 4P, Frame Size 90, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	1.10 kW	1447 r/min	2.74 A	0.710	81.40 %	7.35 N·m	6.60
D	--	50 Hz	230 V	1.10 kW	1447 r/min	4.75 A	0.710	81.40 %	7.35 N·m	6.60
Y	--	50 Hz	380 V	1.10 kW	1440 r/min	2.70 A	0.760	81.40 %	7.35 N·m	6.30
D	--	50 Hz	220 V	1.10 kW	1440 r/min	4.68 A	0.760	81.40 %	7.35 N·m	6.30
Y	--	60 Hz	440 V	1.10 kW	1754 r/min	2.43 A	0.710	84.00 %	6.05 N·m	7.40
Y	--	60 Hz	460 V	1.10 kW	1760 r/min	2.46 A	0.670	84.00 %	6.03 N·m	7.70

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 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%) 79.5 % Partial Load (50%) 75.7 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 84.0 % Partial Load (75%) 81.6 % Partial Load (50%) 77.2 %
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	S

Mechanical

Frame Material	Cast Iron
Frame Size	90
Bearing	6205-2Z/C3
Bearing NDE	6204-2Z/C3
Lubrication	For life
IM Class	IMB3 IM1001
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

Standards	IEC 60034-1
UNSPSC	26101100

Categories

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

