



PRODUCT-DETAILS

3GBA091110-ASC

IE2 High Efficiency Cast Iron Motors, 1.5 kW,  
400 V (3GBA091110-ASC)



General Information

Product ID	3GBA091110-ASC
ABB Type Designation	M2BAX 90SA 2
Catalog Description	IE2 High Efficiency Cast Iron Motors, 1.5 kW, 400 V (3GBA091110-ASC)

Ordering

ABB Type Designation	M2BAX 90SA 2
Invoice Description	M2BAX 90SA 2
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
Replaced Product ID (OLD)	3GBA091212-ASB
Stocked At (Warehouses)	Shanghai, China
Medium Description	1.5kW, 2 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA091110-ASC)
Short Description	1.5kW, 2P, 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	1.50 kW	2889 r/min	3.37 A	0.790	81.30 %	4.93 N·m	7.10
D	--	50 Hz	230 V	1.50 kW	2889 r/min	5.84 A	0.790	81.30 %	4.93 N·m	7.10
Y	--	50 Hz	380 V	1.50 kW	2875 r/min	3.36 A	0.830	81.30 %	4.93 N·m	6.70
D	--	50 Hz	220 V	1.50 kW	2875 r/min	5.82 A	0.830	81.30 %	4.93 N·m	6.70
Y	--	60 Hz	440 V	1.50 kW	3490 r/min	2.74 A	0.870	81.00 %	4.06 N·m	8.70
Y	--	60 Hz	460 V	1.50 kW	3499 r/min	2.99 A	0.770	81.00 %	4.05 N·m	8.30
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 IE2 Full Load (100%) 81.3 % Partial Load (75%) 80.0 % Partial Load (50%) 76.8 %
IE Class Data (60 Hz)										IE Class IE1 Full Load (100%) 81.0 % Partial Load (75%) 78.5 % Partial Load (50%) 74.3 %
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										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										21 kg
Gross Weight										24 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

