

PRODUCT-DETAILS

# 3GBA091010-ASD

## IE3 Premium Efficiency Cast Iron Motor 2.2 kW, 400 V (3GBA091010-ASD)



### General Information

Product ID	3GBA091010-ASD
ABB Type Designation	M2BAX 90SLA 2
Catalog Description	IE3 Premium Efficiency Cast Iron Motor 2.2 kW, 400 V (3GBA091010-ASD)

### Ordering

ABB Type Designation	M2BAX 90SLA 2
Invoice Description	M2BAX90SLA 2
Product Name	3-Phase squirrel cage motor
Product Type	EBA3_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	85015220
Stocked At (Warehouses)	Menden, Germany Shanghai, China

### Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	2.20 kW	2903 r/min	4.30 A	0.860	85.90 %	7.23 N·m	9.10
D	--	50 Hz	230 V	2.20 kW	2903 r/min	7.48 A	0.860	85.90 %	7.23 N·m	9.10
Y	--	50 Hz	380 V	2.20 kW	2892 r/min	4.42 A	0.880	85.90 %	7.26 N·m	8.30
D	--	50 Hz	220 V	2.20 kW	2892 r/min	7.64 A	0.880	85.90 %	7.26 N·m	8.30

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	2.2 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 85.9 % Partial Load (75%) 86.1 % Partial Load (50%) 85.3 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 86.5 % Partial Load (75%) 85.8 % Partial Load (50%) 83.5 %
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
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	170 mm
Product Net Weight	26 kg
Gross Weight	29 kg

## Environmental

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

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### Classifications

UNSPSC	26101100
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### Categories

Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE3 Premium Efficiency Cast Iron Motors

