

PRODUCT-DETAILS

# 3GBA131120-CSC

## IE2 High Efficiency Cast Iron Motors, 7.5 kW, 400 V (3GBA131120-CSC)



General Information	
Product ID	3GBA131120-CSC
ABB Type Designation	M2BAX 132SB 2
Catalog Description	IE2 High Efficiency Cast Iron Motors, 7.5 kW, 400 V (3GBA131120-CSC)

Ordering	
ABB Type Designation	M2BAX 132SB 2
Invoice Description	M2BAX 132SB 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	Poland (PL)
Customs Tariff Number	85015220
Medium Description	7.5kW, 2 Poles, Frame Size 132, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB14/IM3601 Mounting (3GBA131120-CSC)
Short Description	7.5kW, 2P, Frame Size 132, 3PH, 400V, 50Hz, IP55, IMB14/IM3601

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	7.50 kW	2918 r/min	14.70 A	0.840	88.10 %	24.46 N·m	8.80
D	--	50 Hz	230 V	7.50 kW	2918 r/min	25.60 A	0.840	88.10 %	24.46 N·m	8.80
Y	--	50 Hz	380 V	7.50 kW	2909 r/min	15.10 A	0.860	88.10 %	24.54 N·m	8.20
D	--	50 Hz	220 V	7.50 kW	2909 r/min	26.00 A	0.860	88.10 %	24.54 N·m	8.20
Y	--	60 Hz	440 V	7.50 kW	3521 r/min	13.30 A	0.850	87.50 %	20.28 N·m	9.40
Y	--	60 Hz	460 V	7.50 kW	3526 r/min	13.10 A	0.820	87.50 %	20.24 N·m	10.00

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	7.5 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 88.1 % Partial Load (75%) 87.3 % Partial Load (50%) 85.6 %
IE Class Data (60 Hz)	IE Class IE1 Full Load (100%) 87.5 % Partial Load (75%) 85.7 % Partial Load (50%) 82.8 %
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	132
Bearing	6208-2Z/C3
Bearing NDE	6208-2Z/C3
IM Class	IMB14 IM3601
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth /	426 mm

Length	
Product Net Height	302 mm
Product Net Width	270 mm
Product Net Weight	60 kg
Gross Weight	65 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	

