



PRODUCT-DETAILS

3GBA131220-BDD

IE3 Premium Efficiency Cast Iron Motors, 7.5 kW, 400 V (3GBA131220-BDD)



General Information

Product ID:	3GBA131220-BDD
ABB Type Designation:	M2BAX 132SMB 2
Catalog Description:	IE3 Premium Efficiency Cast Iron Motors, 7.5 kW, 400 V (3GBA131220-BDD)
Display Name:	3GBA131220-BDD

Ordering

ABB Type Designation:	M2BAX 132SMB 2
Invoice Description:	M2BAX 132SMB 2
Product Name:	3-Phase squirrel cage motor
Product Type:	EBA3__M2BAX_CI
Country of Origin:	China
Customs Tariff Number:	85015220
Replaced Product ID (OLD):	3GBA131250-BDD

Stocked At (Warehouses):	Menden, Germany Shanghai, China
Medium Description:	7.5kW, 2 Poles, Frame Size 132, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBA131220-BDD)
Short Description:	7.5kW, 2P, Frame Size 132, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	7.50 kW	2921 r/min	8.10 A	0.840	90.10 %	24.50 N-m	9.00
D	--	50 Hz	400 V	7.50 kW	2921 r/min	14.00 A	0.840	90.10 %	24.50 N-m	9.00
Y	--	50 Hz	660 V	7.50 kW	2912 r/min	8.40 A	0.860	90.10 %	24.60 N-m	8.20
D	--	50 Hz	380 V	7.50 kW	2912 r/min	14.60 A	0.860	90.10 %	24.60 N-m	8.20

Connection Configuration:	D
Temperature Class Default:	--
Input Voltage (U_{in}):	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 IE3 Full Load (100%) 90.1 % Partial Load (75%) 91.0 % Partial Load (50%) 90.9 %
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:	D

Mechanical

Frame Material:	Cast Iron
Frame Size:	132
Bearing:	6208-2Z/C3
Bearing NDE:	6208-2Z/C3
IM Class:	IMB5 IM3001
Terminator Box Location:	D-End top

Dimensions

Product Net Depth / Length:	521 mm
Product Net Height:	302 mm
Product Net Width:	262 mm
Product Net Weight:	70 kg
Gross Weight:	75 kg

Environmental

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

External Classifications and Standards

UNSPSC:	26101100
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Categories

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

