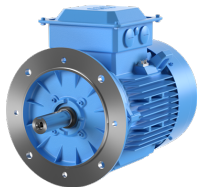


PRODUCT-DETAILS

3GBA161420-BDC

IE2 High Efficiency Cast Iron Motors, 15 kW, 400 V (3GBA161420-BDC)



General Information	
Product ID	3GBA161420-BDC
ABB Type Designation	M2BAX 160MLB 2
Catalog Description	IE2 High Efficiency Cast Iron Motors, 15 kW, 400 V (3GBA161420-BDC)

Ordering	
ABB Type Designation	M2BAX 160MLB 2
Invoice Description	M2BAX 160MLB 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	85015230
Stocked At (Warehouses)	Menden, Germany
Medium Description	15kW, 2 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBA161420-BDC)

Short Description

15kW, 2P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	15.00 kW	2938 r/min	15.60 A	0.880	90.30 %	48.90 N·m	7.60
D	--	50 Hz	400 V	15.00 kW	2938 r/min	27.00 A	0.880	90.30 %	48.89 N·m	7.60
Y	--	50 Hz	660 V	15.00 kW	2929 r/min	16.10 A	0.900	90.30 %	48.89 N·m	7.00
D	--	50 Hz	380 V	15.00 kW	2929 r/min	28.00 A	0.900	90.30 %	48.89 N·m	7.00
D	--	60 Hz	440 V	15.00 kW	3541 r/min	23.60 A	0.920	90.20 %	40.45 N·m	8.50
D	--	60 Hz	460 V	15.00 kW	3547 r/min	23.40 A	0.870	90.20 %	48.41 N·m	9.60

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	15 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 90.3 % Partial Load (75%) 90.5 % Partial Load (50%) 89.7 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 90.2 % Partial Load (75%) 89.8 % Partial Load (50%) 88.5 %
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	D

Mechanical

Frame Material	Cast Iron
Frame Size	160
Bearing	6209-2Z/C3
Bearing NDE	6209-2Z/C3
Lubrication	For life
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions	
Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	586.5 mm
Product Net Height	414 mm
Product Net Width	338 mm
Product Net Weight	116 kg
Gross Weight	126 kg

Environmental	
WEEE Category	4. Large Equipment (Any 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

