



PRODUCT-DETAILS

3GBA162420-BDN

IE4 Super Premium Efficiency Cast Iron Motors, 15 kW, 400 V (3GBA162420-BDN)



General Information

Product ID:	3GBA162420-BDN
ABB Type Designation:	M2BAX 160MLB 4
Catalog Description:	IE4 Super Premium Efficiency Cast Iron Motors, 15 kW, 400 V (3GBA162420-BDN)
Display Name:	3GBA162420-BDN

Ordering

ABB Type Designation:	M2BAX 160MLB 4
Invoice Description:	M2BAX 160MLB 4
Product Name:	3-Phase squirrel cage motor
Product Type:	EBA4__M2BAX_CI
Country of Origin:	China
Customs Tariff Number:	85015230
Stocked At (Warehouses):	Menden, Germany

Medium Description: 15kW, 4 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBA162420-BDN)

Short Description: 15kW, 4P, Frame Size 160, 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	15.00 kW	1480 r/min	16.90 A	0.790	93.90 %	96.80 N-m	8.10
D	--	50 Hz	400 V	15.00 kW	1480 r/min	29.60 A	0.790	93.90 %	96.80 N-m	8.10
Y	--	50 Hz	660 V	15.00 kW	1478 r/min	17.30 A	0.810	93.90 %	96.90 N-m	7.50
D	--	50 Hz	380 V	15.00 kW	1478 r/min	30.00 A	0.810	93.90 %	96.90 N-m	7.50

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 IE4
Full Load (100%) 93.9 %
Partial Load (75%) 94.1 %
Partial Load (50%) 93.5 %

IP Class: IP55

Insulation Class: ICLF

Direction of Rotation: Both sides

Number of Poles (High): 4

Two Speed Motor: No

Type of Duty: S1

Voltage Code: D

Mechanical

Frame Material: Cast Iron

Frame Size: 160

Bearing: 6309-2Z/C3

Bearing NDE: 6209-2Z/C3

IM Class: IMB5 IM3001

Terminator Box Location: D-End top

Dimensions

Product Net Depth / Length:	683.5 mm
Product Net Height:	413 mm
Product Net Width:	310 mm
Product Net Weight:	172 kg
Gross Weight:	182 kg

Environmental

WEEE Category:	4. Large Equipment (Any External Dimension More Than 50 cm)
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External Classifications and Standards

UNSPSC:	26101100
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Categories

Products > Motors and Generators > IEC Low Voltage AC Motors > General Performance Motors > IE4 Super Premium Efficiency Cast Iron Motors

