



PRODUCT-DETAILS

3GBA312240-ADMIN

IE3 (BIS) Premium Efficiency Cast Iron Motors,
160 kW, 415 V (3GBA312240-ADMIN)



General Information

Product ID:	3GBA312240-ADMIN
ABB Type Designation:	M2BAX 315SMD 4
Catalog Description:	IE3 (BIS) Premium Efficiency Cast Iron Motors, 160 kW, 415 V (3GBA312240-ADMIN)
Display Name:	3GBA312240-ADMIN

Ordering

ABB Type Designation:	M2BAX 315SMD 4
Invoice Description:	M2BAX 315SMD 4
Product Name:	3-Phase squirrel cage motor
Product Type:	IBA3__M2BAX_IE3_CI
Country of Origin:	India
Customs Tariff Number:	85015381
Medium Description:	160kW, 4 Poles, Frame Size 315, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA312240-ADMIN)

Short Description: 160kW, 4P, Frame Size 315, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	400 V	160.00 kW	1488 r/min	283.00 A	0.850	95.80 %	1029.00 N-m	7.70
D	--	50 Hz	415 V	160.00 kW	1488 r/min	276.00 A	0.840	95.80 %	1026.00 N-m	7.70

Connection Configuration: D

Temperature Class Default: --

Input Voltage (U_{in}): 415 V

Frequency (f): 50 Hz

Output Power: 160 kW

Altitude: 1000 m

Ambient Temperature: 50 °C

IC Class: IC411

IE Class Data (50 Hz):
 IE Class IE3
 Full Load (100%) 95.8 %
 Partial Load (75%) 95.8 %
 Partial Load (50%) 94.8 %

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: 315

Bearing: 6319/C3

Bearing NDE: 6316/C3

IM Class: IMB3 IM1001

Terminator Box Location: D-End top

Dimensions

Product Net Depth / Length: 1246 mm

Product Net Height:	875 mm
Product Net Width:	644 mm
Product Net Weight:	933 kg
Gross Weight:	953 kg

External Classifications and Standards

UNSPSC:	26101100
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Categories

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

