



PRODUCT-DETAILS

3GBA312420-ADMIN

IE3 (BIS) Premium Efficiency Cast Iron Motors,
200 kW, 415 V (3GBA312420-ADMIN)



General Information

| | |
|-----------------------|---|
| Product ID: | 3GBA312420-ADMIN |
| ABB Type Designation: | M2BAX 315MLB 4 |
| Catalog Description: | IE3 (BIS) Premium Efficiency Cast Iron Motors, 200 kW, 415 V (3GBA312420-ADMIN) |
| Display Name: | 3GBA312420-ADMIN |

Ordering

| | |
|------------------------|---|
| ABB Type Designation: | M2BAX 315MLB 4 |
| Invoice Description: | M2BAX 315MLB 4 |
| Product Name: | 3-Phase squirrel cage motor |
| Product Type: | IBA3__M2BAX_IE3_CI |
| Country of Origin: | India |
| Customs Tariff Number: | 85015381 |
| Medium Description: | 200kW, 4 Poles, Frame Size 315, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA312420-ADMIN) |

Short Description: 200kW, 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 | 200.00 kW | 1488 r/min | 350.00 A | 0.860 | 96.00 % | 1284.00 N-m | 7.70 |
| D | -- | 50 Hz | 415 V | 200.00 kW | 1488 r/min | 343.00 A | 0.840 | 96.00 % | 1283.00 N-m | 7.70 |

Connection Configuration: D

Temperature Class Default: --

Input Voltage (U_{in}): 415 V

Frequency (f): 50 Hz

Output Power: 200 kW

Altitude: 1000 m

Ambient Temperature: 50 °C

IC Class: IC411

IE Class Data (50 Hz):
 IE Class IE3
 Full Load (100%) 96.0 %
 Partial Load (75%) 96.0 %
 Partial Load (50%) 95.0 %

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: 1356 mm

| | |
|----------------------------|---------|
| Product Net Height: | 875 mm |
| Product Net Width: | 644 mm |
| Product Net Weight: | 1153 kg |
| Gross Weight: | 1173 kg |

External Classifications and Standards

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| 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

