



 PRODUCT-DETAILS

3GBA102520-ADDIN

IE3 (BIS) Premium Efficiency Cast Iron Motors,
2.2 kW, 415 V (3GBA102520-ADDIN)



General Information

| | |
|----------------------|---|
| Product ID | 3GBA102520-ADDIN |
| ABB Type Designation | M2BAX 100LB 4 |
| Catalog Description | IE3 (BIS) Premium Efficiency Cast Iron Motors, 2.2 kW, 415 V (3GBA102520-ADDIN) |

Ordering

| | |
|--------------------------------|---|
| ABB Type Designation | M2BAX 100LB 4 |
| Invoice Description | M2BAX 100LB 4 |
| Product Name | 3-Phase squirrel cage motor |
| Product Type | IBA3__M2BAX_IE3_CI |
| Country or Territory of Origin | India |
| Customs Tariff Number | 85015220 |
| Medium Description | 2.2kW, 4 Poles, Frame Size 100, 3 Phases, 415V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA102520-ADDIN) |
| Short Description | 2.2kW, 4P, Frame Size 100, 3PH, 415V, 50Hz, IP55, IMB3/IM1001 |

Electrical

Electrical Data

| Conn | Temp Class | Network Freq | Network Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
|------|------------|--------------|-----------------|---------|------------|---------|--------------|------------|-----------|-------|
| D | -- | 50 Hz | 415 V | 2.20 kW | 1445 r/min | 4.80 A | 0.740 | 86.70 % | 14.50 N·m | 7.00 |

| | |
|----------------------------------|---|
| Connection Configuration | D |
| Temperature Class Default | -- |
| Input Voltage (U _{in}) | 415 V |
| Frequency (f) | 50 Hz |
| Output Power | 2.2 kW |
| Altitude | 1000 m |
| Ambient Temperature | 50 °C |
| IC Class | IC411 |
| IE Class Data (50 Hz) | IE Class IE3 Full Load (100%) 86.7 % Partial Load (75%) 86.9 % Partial Load (50%) 85.1 % |
| 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 | 100 |
| Bearing | 6206-2Z/C3 |
| Bearing NDE | 6205-2Z/C3 |
| IM Class | IMB3 IM1001 |
| Terminator Box Location | D-End top |

Dimensions

| | |
|----------------------------|--------|
| Product Net Depth / Length | 376 mm |
| Product Net Height | 240 mm |
| Product Net Width | 218 mm |
| Product Net Weight | 34 kg |
| Gross Weight | 39 kg |

Environmental

| | |
|---------------|--|
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
|---------------|--|

External Classifications and Standards

Categories

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

