



PRODUCT-DETAILS

3GBA162410-BDT
M2BAX 160MLA 4



| General Information | |
|----------------------|----------------|
| Product ID | 3GBA162410-BDT |
| ABB Type Designation | M2BAX 160MLA 4 |
| Catalog Description | M2BAX 160MLA 4 |

| Ordering | |
|-------------------------|-----------------------------|
| ABB Type Designation | M2BAX 160MLA 4 |
| Invoice Description | M2BAX 160MLA 4 |
| Product Name | 3-Phase squirrel cage motor |
| Product Type | EBA1__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) |
| Customs Tariff Number | 85015230 |

| Electrical | |
|-----------------|--|
| Electrical Data | |

| Conn | Temp Class | Freq | Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
|---------------------------|------------|-------|---------|----------|------------|---------|--------------|------------|-----------|---|
| Y | -- | 50 Hz | 690 V | 11.00 kW | 1466 r/min | 13.20 A | 0.780 | 87.60 % | 71.51 N·m | 7.00 |
| D | -- | 50 Hz | 400 V | 11.00 kW | 1466 r/min | 22.80 A | 0.780 | 87.60 % | 71.51 N·m | 7.00 |
| Y | -- | 50 Hz | 660 V | 11.00 kW | 1461 r/min | 13.40 A | 0.810 | 87.60 % | 71.50 N·m | 7.00 |
| D | -- | 50 Hz | 380 V | 11.00 kW | 1461 r/min | 23.20 A | 0.810 | 87.60 % | 71.51 N·m | 7.00 |
| D | -- | 60 Hz | 440 V | 11.00 kW | 1765 r/min | 20.30 A | 0.790 | 88.50 % | 59.20 N·m | 8.00 |
| D | -- | 60 Hz | 460 V | 11.00 kW | 1768 r/min | 20.00 A | 0.770 | 88.50 % | 59.11 N·m | 8.50 |
| Temperature Class Default | | | | | | | | | | -- |
| Altitude | | | | | | | | | | 1000 m |
| Ambient Temperature | | | | | | | | | | 40 °C |
| IC Class | | | | | | | | | | IC411 |
| IE Class Data (50 Hz) | | | | | | | | | | IE Class IE1 Full Load (100%) 87.6 % Partial Load (75%) 87.7 % Partial Load (50%) 86.8 % |
| IE Class Data (60 Hz) | | | | | | | | | | IE Class IE1 Full Load (100%) 88.5 % Partial Load (75%) 87.9 % Partial Load (50%) 86.1 % |
| 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 | 160 |
| Bearing | 6209-2Z/C3 |
| Bearing NDE | 6209-2Z/C3 |
| IM Class | IMB5 IM3001 |
| Terminator Box Location | D-End top |

| | |
|-----------------------|-----------------|
| Dimensions | |
| Package Level 1 Units | 0 pallet (lift) |
| Product Net Weight | 111 kg |
| Gross Weight | 121 kg |

| | |
|---------------|---|
| Environmental | |
| WEEE Category | 4. Large Equipment (Any External Dimension More Than 50 cm) |

| Classifications | |
|-----------------|----------|
| UNSPSC | 26101100 |

| Categories |
|---|
| Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE1 Standard Efficiency Cast Iron Motors |

