



PRODUCT-DETAILS

3GBA081310-BSCCN

(3GBA081310-BSCCN)



| General Information | |
|----------------------|--------------------|
| Product ID | 3GBA081310-BSCCN |
| ABB Type Designation | M2BAX 80MA 2 |
| Catalog Description | (3GBA081310-BSCCN) |

| Ordering | |
|----------------------------|--|
| ABB Type Designation | M2BAX 80MA 2 |
| Invoice Description | M2BAX 80MA 2 |
| Product Name | 3-Phase squirrel cage motor |
| Product Type | CBA2__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 | 85015100 |
| Stocked At (Warehouses) | Shanghai, China Guangzhou, China China |

Electrical

Electrical Data

| Conn | Temp Class | Freq | Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
|---------------------------|------------|-------|---------|---------|------------|---------|--------------|------------|----------|---|
| Y | -- | 50 Hz | 400 V | 0.75 kW | 2838 r/min | 1.70 A | 0.820 | 77.40 % | 2.51 N·m | 5.70 |
| D | -- | 50 Hz | 230 V | 0.75 kW | 2838 r/min | 2.94 A | 0.820 | 77.40 % | 2.51 N·m | 5.70 |
| Y | -- | 50 Hz | 380 V | 0.75 kW | 2815 r/min | 1.73 A | 0.850 | 77.40 % | 2.51 N·m | 5.70 |
| D | -- | 50 Hz | 220 V | 0.75 kW | 2815 r/min | 3.00 A | 0.850 | 77.40 % | 2.51 N·m | 5.70 |
| Y | -- | 60 Hz | 440 V | 0.75 kW | 3449 r/min | 1.50 A | 0.820 | 75.60 % | 2.05 N·m | 7.10 |
| Y | -- | 60 Hz | 460 V | 0.75 kW | 3466 r/min | 1.51 A | 0.790 | 75.50 % | 2.04 N·m | 7.40 |
| Temperature Class Default | | | | | | | | | | -- |
| Altitude | | | | | | | | | | 1000 m |
| Ambient Temperature | | | | | | | | | | 40 °C |
| IC Class | | | | | | | | | | IC411 |
| IE Class Data (50 Hz) | | | | | | | | | | IE Class IE2 Full Load (100%) 77.4 % Partial Load (75%) 76.8 % Partial Load (50%) 74.2 % |
| IE Class Data (60 Hz) | | | | | | | | | | IE Class IE2 Full Load (100%) 75.5 % Partial Load (75%) 72.7 % Partial Load (50%) 68.0 % |
| IP Class | | | | | | | | | | IP55 |
| Insulation Class | | | | | | | | | | ICLF |
| Direction of Rotation | | | | | | | | | | Both sides |
| Number of Poles (High) | | | | | | | | | | 2 |
| Two Speed Motor | | | | | | | | | | No |
| Type of Duty | | | | | | | | | | S1 |
| Voltage Code | | | | | | | | | | S |

Mechanical

| | |
|-------------------------|-------------|
| Frame Material | Cast Iron |
| Frame Size | 80 |
| Bearing | 6204-2Z/C3 |
| Bearing NDE | 6204-2Z/C3 |
| Lubrication | For life |
| IM Class | IMB5 IM3001 |
| Terminator Box Location | D-End top |

Dimensions

| | |
|-----------------------|----------|
| Package Level 1 Units | 0 carton |
| Product Net Weight | 14 kg |
| Gross Weight | 17 kg |

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

| Classifications | |
|-----------------|-------------|
| Standards | IEC 60034-1 |
| UNSPSC | 26101100 |

| Categories |
|---|
| Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE2 High Efficiency Cast Iron Motors |

