



PRODUCT-DETAILS

3GBA103810-ASN

IE4 Super Premium Efficiency Cast Iron Motors, 1.5 kW, 400 V (3GBA103810-ASN)



| General Information | |
|----------------------|---|
| Product ID | 3GBA103810-ASN |
| ABB Type Designation | M2BAX 100LKA 6 |
| Catalog Description | IE4 Super Premium Efficiency Cast Iron Motors, 1.5 kW, 400 V (3GBA103810-ASN) |

| Ordering | |
|-------------------------|---|
| ABB Type Designation | M2BAX 100LKA 6 |
| Invoice Description | M2BAX 100LKA 6 |
| Product Name | 3-Phase squirrel cage motor |
| Product Type | EBA4__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 | 85015220 |
| Stocked At (Warehouses) | Menden, Germany |
| Medium Description | 1.5kW, 6 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA103810-ASN) |
| Short Description | 1.5kW, 6P, Frame Size 100, 3PH, 400V, 50Hz, IP55, IMB3/IM1001 |

Electrical

| Electrical Data | | | | | | | | | | |
|----------------------------------|------------|-------|---------|---------|-----------|---------|--------------|------------|-----------|---|
| Conn | Temp Class | Freq | Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
| Y | -- | 50 Hz | 400 V | 1.50 kW | 969 r/min | 3.45 A | 0.730 | 85.90 % | 14.90 N·m | 7.30 |
| D | -- | 50 Hz | 230 V | 1.50 kW | 969 r/min | 6.00 A | 0.730 | 85.90 % | 14.90 N·m | 7.30 |
| Y | -- | 50 Hz | 380 V | 1.50 kW | 969 r/min | 3.35 A | 0.760 | 85.90 % | 14.90 N·m | 6.90 |
| D | -- | 50 Hz | 220 V | 1.50 kW | 969 r/min | 5.79 A | 0.760 | 85.90 % | 14.90 N·m | 6.90 |
| Connection Configuration | | | | | | | | | | Y |
| Temperature Class Default | | | | | | | | | | -- |
| Input Voltage (U _{in}) | | | | | | | | | | 400 V |
| Frequency (f) | | | | | | | | | | 50 Hz |
| Output Power | | | | | | | | | | 1.5 kW |
| Altitude | | | | | | | | | | 1000 m |
| Ambient Temperature | | | | | | | | | | 40 °C |
| IC Class | | | | | | | | | | IC411 |
| IE Class Data (50 Hz) | | | | | | | | | | IE Class IE4 Full Load (100%) 85.9 % Partial Load (75%) 85.8 % Partial Load (50%) 84.2 % |
| IP Class | | | | | | | | | | IP55 |
| Insulation Class | | | | | | | | | | ICLF |
| Direction of Rotation | | | | | | | | | | Both sides |
| Number of Poles (High) | | | | | | | | | | 6 |
| Two Speed Motor | | | | | | | | | | No |
| Type of Duty | | | | | | | | | | S1 |
| Voltage Code | | | | | | | | | | S |

Mechanical

| | |
|-------------------------|-------------|
| Frame Material | Cast Iron |
| Frame Size | 100 |
| Bearing | 6206-2Z/C3 |
| Bearing NDE | 6206-2Z/C3 |
| IM Class | IMB3 IM1001 |
| Terminator Box Location | D-End top |

Dimensions

| | |
|----------------------------|----------|
| Package Level 1 Units | 0 carton |
| Product Net Depth / Length | 463 mm |
| Product Net Height | 243 mm |
| Product Net Width | 200 mm |
| Product Net Weight | 40 kg |
| Gross Weight | 45 kg |

Environmental

WEEE Category

5. Small Equipment (No External Dimension More Than 50 cm)

Classifications

UNSPSC

26101100

Categories

Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE4 Super Premium Efficiency Cast Iron Motors

