



PRODUCT-DETAILS

3GBA103510-BSC

IE2 High Efficiency Cast Iron Motors, 1.5 kW,
400 V (3GBA103510-BSC)



General Information

| | |
|----------------------|--|
| Product ID | 3GBA103510-BSC |
| ABB Type Designation | M2BAX 100LA 6 |
| Catalog Description | IE2 High Efficiency Cast Iron Motors, 1.5 kW, 400 V (3GBA103510-BSC) |

Ordering

| | |
|-------------------------|---|
| ABB Type Designation | M2BAX 100LA 6 |
| Invoice Description | M2BAX 100LA 6 |
| Product Name | 3-Phase squirrel cage motor |
| Product Type | EBA2_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) Poland (PL) |
| Customs Tariff Number | 85015220 |
| Stocked At (Warehouses) | Shanghai, China |
| Medium Description | 1.5kW, 6 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBA103510-BSC) |
| Short Description | 1.5kW, 6P, Frame Size 100, 3PH, 400V, 50Hz, IP55, IMB5/IM3001 |

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 | 956 r/min | 4.36 A | 0.630 | 79.80 % | 15.00 N·m | 5.80 |
| D | -- | 50 Hz | 230 V | 1.50 kW | 956 r/min | 7.55 A | 0.630 | 79.80 % | 15.03 N·m | 5.80 |
| Y | -- | 50 Hz | 380 V | 1.50 kW | 950 r/min | 4.26 A | 0.680 | 79.80 % | 15.00 N·m | 5.50 |
| D | -- | 50 Hz | 220 V | 1.50 kW | 950 r/min | 7.38 A | 0.680 | 79.80 % | 15.00 N·m | 5.50 |
| Y | -- | 60 Hz | 440 V | 1.50 kW | 1160 r/min | 3.82 A | 0.630 | 77.00 % | 12.41 N·m | 6.40 |
| Y | -- | 60 Hz | 460 V | 1.50 kW | 1164 r/min | 3.90 A | 0.600 | 77.00 % | 12.37 N·m | 6.60 |

| | |
|----------------------------------|---|
| 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 IE2 Full Load (100%) 79.8 % Partial Load (75%) 78.1 % Partial Load (50%) 74.1 % |
| IE Class Data (60 Hz) | IE Class IE1 Full Load (100%) 77.0 % Partial Load (75%) 73.9 % Partial Load (50%) 68.0 % |
| 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 | 6205-2Z/C3 |
| Lubrication | For life |
| IM Class | IMB5 IM3001 |
| Terminator Box Location | D-End top |

Dimensions

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|----------------------------|----------|
| Package Level 1 Units | 0 carton |
| Product Net Depth / Length | 376 mm |
| Product Net Height | 240 mm |
| Product Net Width | 218 mm |
| Product Net Weight | 31 kg |
| Gross Weight | 36 kg |

Environmental

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|---------------|--|
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| SCIP | d19446d4-4db6-4ddb-826d-2341a0f7dd46 Finland (FI) |

Classifications

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

Categories

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

