



PRODUCT-DETAILS

# 3GBA093010-BSN

## IE4 Super Premium Efficiency Cast Iron Motors, 0.75 kW, 400 V (3GBA093010-BSN)



| General Information  |  |
|----------------------|--|
| Product ID           | 3GBA093010-BSN   |
| ABB Type Designation | M2BAX 90SLA 6  |
| Catalog Description  | IE4 Super Premium Efficiency Cast Iron Motors, 0.75 kW, 400 V (3GBA093010-BSN) |

| Ordering                |   |
|-------------------------|---|
| ABB Type Designation    | M2BAX 90SLA 6   |
| Invoice Description     | M2BAX 90SLA 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   | 85015100  |
| Stocked At (Warehouses) | Menden, Germany   |
| Medium Description      | 0.75kW, 6 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBA093010-BSN) |
| Short Description       | 0.75kW, 6P, Frame Size 90, 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   | 0.75 kW | 948 r/min | 1.82 A  | 0.720        | 82.70 %    | 7.55 N·m | 4.90  |
| D                                | --         | 50 Hz | 230 V   | 0.75 kW | 948 r/min | 3.16 A  | 0.720        | 82.70 %    | 7.55 N·m | 4.90  |
| Y                                | --         | 50 Hz | 380 V   | 0.75 kW | 941 r/min | 1.84 A  | 0.750        | 82.70 %    | 7.60 N·m | 4.60  |
| D                                | --         | 50 Hz | 220 V   | 0.75 kW | 941 r/min | 3.17 A  | 0.750        | 82.70 %    | 7.60 N·m | 4.60  |
| Connection Configuration         |            |       |         |         |           |         |              |            |          | Y   |
| Temperature Class Default        |            |       |         |         |           |         |              |            |          | --  |
| Input Voltage (U <sub>in</sub> ) |            |       |         |         |           |         |              |            |          | 400 V   |
| Frequency (f)                    |            |       |         |         |           |         |              |            |          | 50 Hz   |
| Output Power                     |            |       |         |         |           |         |              |            |          | 0.75 kW   |
| Altitude                         |            |       |         |         |           |         |              |            |          | 1000 m  |
| Ambient Temperature              |            |       |         |         |           |         |              |            |          | 40 °C   |
| IC Class                         |            |       |         |         |           |         |              |            |          | IC411   |
| IE Class Data (50 Hz)            |            |       |         |         |           |         |              |            |          | IE Class IE4<br>Full Load (100%) 82.7 %<br>Partial Load (75%) 82.7 %<br>Partial Load (50%) 81.3 % |
| 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              | 90          |
| Bearing                 | 6205-2Z/C3  |
| Bearing NDE             | 6205-2Z/C3  |
| IM Class                | IMB5 IM3001 |
| Terminator Box Location | D-End top   |

Dimensions

|                            |          |
|----------------------------|----------|
| Package Level 1 Units      | 0 carton |
| Product Net Depth / Length | 390 mm   |
| Product Net Height         | 217 mm   |
| Product Net Width          | 170 mm   |
| Product Net Weight         | 29 kg    |
| Gross Weight               | 32 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

