



PRODUCT-DETAILS

3GBA102810-BSDCN  
(3GBA102810-BSDCN)



General Information

|                      |                    |
|----------------------|--------------------|
| Product ID           | 3GBA102810-BSDCN   |
| ABB Type Designation | M2BAX 100LKA 4     |
| Catalog Description  | (3GBA102810-BSDCN) |

Ordering

|                         |                             |
|-------------------------|-----------------------------|
| ABB Type Designation    | M2BAX 100LKA 4              |
| Invoice Description     | M2BAX100LKA4                |
| Product Name            | 3-Phase squirrel cage motor |
| Product Type            | CBA3_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             |

Electrical

Electrical Data

| Conn                      | Temp Class | Freq  | Voltage | Power   | Speed      | Current | Power Factor | Efficiency | Torque    | IS/IN   |
|---------------------------|------------|-------|---------|---------|------------|---------|--------------|------------|-----------|---|
| Y                         | --         | 50 Hz | 400 V   | 3.00 kW | 1448 r/min | 6.25 A  | 0.790        | 87.70 %    | 19.86 N·m | 9.60  |
| D                         | --         | 50 Hz | 230 V   | 3.00 kW | 1448 r/min | 10.90 A | 0.790        | 87.70 %    | 19.86 N·m | 9.60  |
| Y                         | --         | 50 Hz | 380 V   | 3.00 kW | 1443 r/min | 6.35 A  | 0.820        | 87.70 %    | 19.88 N·m | 8.80  |
| D                         | --         | 50 Hz | 220 V   | 3.00 kW | 1443 r/min | 11.00 A | 0.820        | 87.70 %    | 19.88 N·m | 8.80  |
| Y                         | --         | 60 Hz | 440 V   | 3.00 kW | 1751 r/min | 5.48 A  | 0.810        | 87.50 %    | 16.38 N·m | 10.60   |
| Y                         | --         | 60 Hz | 460 V   | 3.00 kW | 1755 r/min | 5.36 A  | 0.790        | 87.50 %    | 16.34 N·m | 11.40   |
| Temperature Class Default |            |       |         |         |            |         |              |            |           | --  |
| Altitude                  |            |       |         |         |            |         |              |            |           | 1000 m  |
| Ambient Temperature       |            |       |         |         |            |         |              |            |           | 40 °C   |
| IC Class                  |            |       |         |         |            |         |              |            |           | IC411   |
| IE Class Data (50 Hz)     |            |       |         |         |            |         |              |            |           | IE Class IE3<br>Full Load (100%) 87.7 %<br>Partial Load (75%) 87.7 %<br>Partial Load (50%) 86.5 % |
| IE Class Data (60 Hz)     |            |       |         |         |            |         |              |            |           | IE Class IE2<br>Full Load (100%) 87.5 %<br>Partial Load (75%) 86.8 %<br>Partial Load (50%) 84.6 % |
| 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              |            |       |         |         |            |         |              |            |           | S   |

Mechanical

|                         |             |
|-------------------------|-------------|
| Frame Material          | Cast Iron   |
| Frame Size              | 100         |
| Bearing                 | 6206-2Z/C3  |
| Bearing NDE             | 6206-2Z/C3  |
| Lubrication             | For life    |
| IM Class                | IMB5 IM3001 |
| Terminator Box Location | D-End top   |

Dimensions

|                       |          |
|-----------------------|----------|
| Package Level 1 Units | 0 carton |
| Product Net Weight    | 41 kg    |
| Gross Weight          | 46 kg    |

Environmental

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

Classifications

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

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Categories

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Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE3 Premium Efficiency Cast Iron Motors

