



PRODUCT-DETAILS

3GBA092120-ASDIN  
(3GBA092120-ASDIN)



General Information

|                      |                    |
|----------------------|--------------------|
| Product ID           | 3GBA092120-ASDIN   |
| ABB Type Designation | M2BAX 90SB 4       |
| Catalog Description  | (3GBA092120-ASDIN) |

Ordering

|                         |                             |
|-------------------------|-----------------------------|
| ABB Type Designation    | M2BAX 90SB 4                |
| Invoice Description     | M2BAX 90SB 4                |
| Product Name            | 3-Phase squirrel cage motor |
| Product Type            | IBA3__M2BAX_IE3_CI          |
| Made To Order           | No                          |
| Minimum Order Quantity  | 1 piece                     |
| Order Multiple          | 1 piece                     |
| Selling Unit of Measure | piece                       |
| Country of Origin       | India (IN)                  |
| Customs Tariff Number   | 85015220                    |

Electrical

Electrical Data

| Conn                      | Temp Class | Freq  | Voltage | Power   | Speed      | Current | Power Factor | Efficiency | Torque   | IS/IN   |
|---------------------------|------------|-------|---------|---------|------------|---------|--------------|------------|----------|---|
| Y                         | --         | 50 Hz | 415 V   | 1.10 kW | 1435 r/min | 2.60 A  | 0.700        | 84.10 %    | 7.30 N·m | 6.00  |
| Temperature Class Default |            |       |         |         |            |         |              |            |          | --  |
| Altitude                  |            |       |         |         |            |         |              |            |          | 1000 m  |
| Ambient Temperature       |            |       |         |         |            |         |              |            |          | 50 °C   |
| IC Class                  |            |       |         |         |            |         |              |            |          | IC411   |
| IE Class Data (50 Hz)     |            |       |         |         |            |         |              |            |          | IE Class IE3<br>Full Load (100%) 84.1 %<br>Partial Load (75%) 83.7 %<br>Partial Load (50%) 81.0 % |
| IE Class Data (60 Hz)     |            |       |         |         |            |         |              |            |          | IE Class IE2<br>Full Load (100%) 84.0 %<br>Partial Load (75%) 83.4 %<br>Partial Load (50%) 80.5 % |
| 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              | 90          |
| Bearing                 | 6205-2Z/C3  |
| Bearing NDE             | 6204-2Z/C3  |
| IM Class                | IMB3 IM1001 |
| Terminator Box Location | D-End top   |

Dimensions

|                       |          |
|-----------------------|----------|
| Package Level 1 Units | 0 carton |
| Product Net Weight    | 23 kg    |
| Gross Weight          | 26 kg    |

Environmental

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

|        |          |
|--------|----------|
| 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

