



PRODUCT-DETAILS

3GAA092520-BSNIN  
M2AAX 90LB4

General Information

|                      |                  |
|----------------------|------------------|
| Product ID           | 3GAA092520-BSNIN |
| ABB Type Designation | M2AAX 90LB4      |
| Catalog Description  | M2AAX 90LB4      |

Ordering

|                         |                             |
|-------------------------|-----------------------------|
| ABB Type Designation    | M2AAX 90LB4                 |
| Invoice Description     | M2AAX 90LB4                 |
| Product Name            | 3-Phase squirrel cage motor |
| Product Type            | IAA3 M2AAX IE3              |
| 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   | 1.50 kW | 1431 r/min | 3.50 A  | 0.750        | 85.30 %    | 10.00 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%) 85.3 %<br>Partial Load (75%) 85.2 %<br>Partial Load (50%) 82.9 % |
| 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          | Aluminum    |
| Frame Size              | 90          |
| Bearing                 | 6205-2Z/C3  |
| Bearing NDE             | 6204-2Z/C3  |
| IM Class                | IMB5 IM3001 |
| Terminator Box Location | D-End top   |

**Dimensions**

|                       |          |
|-----------------------|----------|
| Package Level 1 Units | 0 carton |
| Product Net Weight    | 18 kg    |
| Gross Weight          | 21 kg    |

**Classifications**

|        |          |
|--------|----------|
| UNSPSC | 26101100 |
|--------|----------|

**Categories**

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