

PRODUCT-DETAILS

# 3GAA092520-CDE

## M3AA 90LB 4



### General Information

|                      |                |
|----------------------|----------------|
| Product ID           | 3GAA092520-CDE |
| ABB Type Designation | M3AA 90LB 4    |
| Catalog Description  | M3AA 90LB 4    |

### Additional Information

|                       |                                           |
|-----------------------|-------------------------------------------|
| ABB Type Designation  | M3AA 90LB 4                               |
| Altitude              | 1000 m                                    |
| Ambient Temperature   | 40 °C                                     |
| Bearing               | 6205-2Z/C3                                |
| Bearing NDE           | 6204-2Z/C3                                |
| Country of Origin     | Finland (FI)<br>China (CN)<br>Poland (PL) |
| Customs Tariff Number | 85015220                                  |

#### Electrical Data

| Conn | Temp Class | Freq  | Voltage | Power   | Speed      | Current | Power Factor | Efficiency | Torque   | IS/IN |
|------|------------|-------|---------|---------|------------|---------|--------------|------------|----------|-------|
| Y    | --         | 50 Hz | 690 V   | 1.10 kW | 1435 r/min | 1.41 A  | 0.780        | 83.70 %    | 7.30 N·m | 6.60  |
| D    | --         | 50 Hz | 400 V   | 1.10 kW | 1435 r/min | 2.40 A  | 0.780        | 83.70 %    | 7.30 N·m | 6.60  |
| D    | --         | 60 Hz | 460 V   | 1.10 kW | 1740 r/min | 2.10 A  | 0.760        | 84.60 %    | 6.00 N·m | 7.60  |

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| Gross Weight                     | 19 kg                                                                                             |
| IC Class                         | IC411                                                                                             |
| IE Class Data (50 Hz)            | IE Class IE2<br>Full Load (100%) 83.7 %<br>Partial Load (75%) 83.7 %<br>Partial Load (50%) 81.7 % |
| IE Class Data (60 Hz)            | IE Class IE2<br>Full Load (100%) 84.6 %<br>Partial Load (75%) 83.7 %<br>Partial Load (50%) 80.7 % |
| IM Class                         | IMB14 IM3601                                                                                      |
| IP Class                         | IP55                                                                                              |
| Insulation Class                 | ICLF                                                                                              |
| Invoice Description              | M3AA 90LB 4                                                                                       |
| Made To Order                    | No                                                                                                |
| Minimum Order Quantity           | 1 piece                                                                                           |
| Number of Poles (High)           | 4                                                                                                 |
| Order Multiple                   | 1 piece                                                                                           |
| Package Level 1 Units            | 0 carton                                                                                          |
| Pre Modified Motor<br>Product ID | 3GAA092520-BDE                                                                                    |
| Product Name                     | 3-Phase squirrel cage motor                                                                       |
| Product Net Weight               | 16 kg                                                                                             |
| Product Type                     | 3AA2__M3AA_IE2_AA                                                                                 |
| Quote Only                       | No                                                                                                |
| Replaced Product ID<br>(OLD)     | 3GAA092314-CDE                                                                                    |
| SCIP                             | 27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)                                                 |
| Selling Unit of Measure          | piece                                                                                             |
| Stocked At<br>(Warehouses)       | Menden, Germany<br>Shanghai, China                                                                |
| Temperature Class<br>Default     | --                                                                                                |
| Terminator Box Location          | Top                                                                                               |
| Two Speed Motor                  | No                                                                                                |
| Type of Duty                     | S1                                                                                                |
| UNSPSC                           | 26101100                                                                                          |
| Voltage Code                     | D                                                                                                 |
| WEEE Category                    | 5. Small Equipment (No External Dimension More Than 50 cm)                                        |

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## Categories

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

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Aluminum Motors

