

## PRODUCT-DETAILS

# 3GAA091520-ASE436

## M3AA 90LB 2



### General Information

|                      |                   |
|----------------------|-------------------|
| Product ID           | 3GAA091520-ASE436 |
| ABB Type Designation | M3AA 90LB 2       |
| Catalog Description  | M3AA 90LB 2       |

### Additional Information

|                       |             |
|-----------------------|-------------|
| ABB Type Designation  | M3AA 90LB 2 |
| Altitude              | 1000 m      |
| Ambient Temperature   | 40 °C       |
| Bearing               | 6205-2Z/C3  |
| Bearing NDE           | 6204-2Z/C3  |
| Country of Origin     | 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 | 400 V   | 2.20 kW | 2870 r/min | 4.40 A  | 0.860        | 84.60 %    | 7.30 N·m | 6.90  |
| D    | --         | 50 Hz | 230 V   | 2.20 kW | 2870 r/min | 7.65 A  | 0.860        | 84.60 %    | 7.30 N·m | 6.90  |
| Y    | --         | 50 Hz | 415 V   | 2.20 kW | 2890 r/min | 4.30 A  | 0.850        | 84.60 %    | 7.30 N·m | 7.20  |
| Y    | --         | 60 Hz | 460 V   | 2.20 kW | 3480 r/min | 3.70 A  | 0.870        | 85.80 %    | 6.00 N·m | 7.90  |

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| Gross Weight                     | 21 kg                                                                                             |
| IC Class                         | IC411                                                                                             |
| IE Class Data (50 Hz)            | IE Class IE2<br>Full Load (100%) 84.6 %<br>Partial Load (75%) 85.1 %<br>Partial Load (50%) 84.1 % |
| IE Class Data (60 Hz)            | IE Class IE2<br>Full Load (100%) 85.8 %<br>Partial Load (75%) 85.9 %<br>Partial Load (50%) 84.2 % |
| IM Class                         | IMB3 IM1001                                                                                       |
| IP Class                         | IP55                                                                                              |
| Insulation Class                 | ICLF                                                                                              |
| Invoice Description              | M3AA 90LB 2                                                                                       |
| Made To Order                    | No                                                                                                |
| Minimum Order Quantity           | 1 piece                                                                                           |
| Number of Poles (High)           | 2                                                                                                 |
| Order Multiple                   | 1 piece                                                                                           |
| Package Level 1 Units            | 0 carton                                                                                          |
| Pre Modified Motor<br>Product ID | 3GAA091520-ASE                                                                                    |
| Product Name                     | 3-Phase squirrel cage motor                                                                       |
| Product Net Weight               | 18 kg                                                                                             |
| Product Type                     | 3AA2__M3AA_IE2_AA                                                                                 |
| Quote Only                       | No                                                                                                |
| Replaced Product ID<br>(OLD)     | 3GAA091313-ASET1                                                                                  |
| Selling Unit of Measure          | piece                                                                                             |
| Stocked At<br>(Warehouses)       | Menden, Germany                                                                                   |
| Temperature Class<br>Default     | --                                                                                                |
| Terminator Box Location          | Top                                                                                               |
| Two Speed Motor                  | No                                                                                                |
| Type of Duty                     | S1                                                                                                |
| UNSPSC                           | 26101100                                                                                          |
| Voltage Code                     | S                                                                                                 |
| 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 → Process Performance Motors → IE2 High Efficiency Aluminum Motors



