

PRODUCT-DETAILS

## 3GAA093520-ASJ

# IE3 Premium Efficiency Aluminum Motor, 0.75 kW, 400 V (3GAA093520-ASJ)



### General Information

|                      |  |
|----------------------|--|
| Product ID           | 3GAA093520-ASJ   |
| ABB Type Designation | M3AA 90LB 6  |
| Catalog Description  | IE3 Premium Efficiency Aluminum Motor, 0.75 kW, 400 V (3GAA093520-ASJ) |

### Additional Information

|                          |  |
|--------------------------|--|
| ABB Type Designation     | M3AA 90LB 6                                |
| Altitude                 | 1000 m                                     |
| Ambient Temperature      | 40 °C                                      |
| Bearing                  | 6205-2Z/C3                                 |
| Bearing NDE              | 6204-2Z/C3                                 |
| Connection Configuration | Y  |
| Country of Origin        | Romania (RO)<br>Finland (FI)<br>China (CN) |
| Customs Tariff Number    | 85015100                                   |
| Direction of Rotation    | Both sides                                 |

#### Electrical Data

| Conn | Temp Class | Freq  | Voltage | Power   | Speed     | Current | Power Factor | Efficiency | Torque   | IS/IN |
|------|------------|-------|---------|---------|-----------|---------|--------------|------------|----------|-------|
| Y    | --         | 50 Hz | 400 V   | 0.75 kW | 930 r/min | 2.08 A  | 0.680        | 78.90 %    | 7.70 N-m | 3.90  |
| D    | --         | 50 Hz | 230 V   | 0.75 kW | 930 r/min | 3.60 A  | 0.680        | 78.90 %    | 7.70 N-m | 3.90  |
| Y    | --         | 50 Hz | 415 V   | 0.75 kW | 936 r/min | 2.07 A  | 0.650        | 78.90 %    | 7.65 N-m | 4.10  |

|                                  |   |
|----------------------------------|---|
| Frame Material                   | Aluminum  |
| Frame Size                       | 90  |
| Frequency (f)                    | 50 Hz   |
| Gross Weight                     | 20 kg   |
| IC Class                         | IC411   |
| IE Class Data (50 Hz)            | IE Class IE3<br>Full Load (100%) 78.9 %<br>Partial Load (75%) 78.9 %<br>Partial Load (50%) 76.7 %           |
| IM Class                         | IMB3 IM1001   |
| Input Voltage (U <sub>in</sub> ) | 400 V   |
| Insulation Class                 | ICLF  |
| Invoice Description              | M3AA 90LB 6   |
| IP Class                         | IP55  |
| Made To Order                    | No  |
| Medium Description               | 0.75kW, 6 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA093520-ASJ) |
| Minimum Order Quantity           | 1 piece   |
| Number of Poles (High)           | 6   |
| Order Multiple                   | 1 piece   |
| Output Power                     | 0.75 kW   |
| Package Level 1 Units            | 0 carton  |
| Product Name                     | 3-Phase squirrel cage motor   |
| Product Net Depth / Length       | 331.5 mm  |
| Product Net Height               | 217 mm  |
| Product Net Weight               | 17 kg   |
| Product Net Width                | 170 mm  |
| Product Type                     | 3AA0__M3AA_AA   |
| Quote Only                       | No  |
| Replaced Product ID (OLD)        | 3GAA093613-ASJ  |
| SCIP                             | 27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)   |
| Selling Unit of Measure          | piece   |
| Short Description                | 0.75kW, 6P, Frame Size 90, 3PH, 400V, 50Hz, IP55, IMB3/IM1001   |
| Stocked At (Warehouses)          | Vittuone, Italy   |
| Temperature Class Default        | --  |
| Terminator Box Location          | D-End 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 → IE3 Premium Efficiency Aluminum Motors

