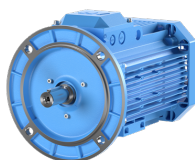


PRODUCT-DETAILS

## 3GAA082614-BDJ

# IE3 Premium Efficiency Aluminum Motor, 0.75 kW, 400 V (3GAA082614-BDJ)



### General Information

|                      |                                                                        |
|----------------------|------------------------------------------------------------------------|
| Product ID           | 3GAA082614-BDJ                                                         |
| ABB Type Designation | M3AA 80ME 4                                                            |
| Catalog Description  | IE3 Premium Efficiency Aluminum Motor, 0.75 kW, 400 V (3GAA082614-BDJ) |

### Additional Information

|                          |             |
|--------------------------|-------------|
| ABB Type Designation     | M3AA 80ME 4 |
| Altitude                 | 1000 m      |
| Ambient Temperature      | 40 °C       |
| Bearing                  | 6204-2Z/C3  |
| Bearing NDE              | 6203-2Z/C3  |
| Connection Configuration | D           |
| Country of Origin        | China (CN)  |
| Customs Tariff Number    | 85015100    |

#### Electrical Data

| Conn | Temp Class | Freq  | Voltage | Power   | Speed      | Current | Power Factor | Efficiency | Torque   | IS/IN |
|------|------------|-------|---------|---------|------------|---------|--------------|------------|----------|-------|
| Y    | --         | 50 Hz | 690 V   | 0.75 kW | 1437 r/min | 1.05 A  | 0.700        | 82.50 %    | 5.00 N·m | 5.90  |
| D    | --         | 50 Hz | 400 V   | 0.75 kW | 1437 r/min | 1.90 A  | 0.700        | 82.50 %    | 5.00 N·m | 5.90  |
| D    | --         | 50 Hz | 415 V   | 0.75 kW | 1443 r/min | 1.92 A  | 0.680        | 82.80 %    | 4.99 N·m | 6.00  |

|                                  |                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|
| Frame Material                   | Aluminum                                                                                                    |
| Frame Size                       | 80                                                                                                          |
| Frequency (f)                    | 50 Hz                                                                                                       |
| Gross Weight                     | 16.1 kg                                                                                                     |
| IC Class                         | IC411                                                                                                       |
| IE Class Data (50 Hz)            | IE Class IE3<br>Full Load (100%) 82.5 %<br>Partial Load (75%) 82.8 %<br>Partial Load (50%) 81.0 %           |
| IM Class                         | IMB5 IM3001                                                                                                 |
| Input Voltage (U <sub>in</sub> ) | 400 V                                                                                                       |
| Insulation Class                 | ICLF                                                                                                        |
| Invoice Description              | M3AA 80ME 4                                                                                                 |
| IP Class                         | IP55                                                                                                        |
| Made To Order                    | No                                                                                                          |
| Medium Description               | 0.75kW, 4 Poles, Frame Size 80, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA082614-BDJ) |
| Minimum Order Quantity           | 1 piece                                                                                                     |
| Number of Poles (High)           | 4                                                                                                           |
| 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       | 293.5 mm                                                                                                    |
| Product Net Height               | 193.5 mm                                                                                                    |
| Product Net Weight               | 13.1 kg                                                                                                     |
| Product Net Width                | 149.5 mm                                                                                                    |
| Product Type                     | 3AA0__M3AA_AA                                                                                               |
| Quote Only                       | No                                                                                                          |
| SCIP                             | 27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)                                                           |
| Selling Unit of Measure          | piece                                                                                                       |
| Short Description                | 0.75kW, 4P, Frame Size 80, 3PH, 400V, 50Hz, IP55, IMB5/IM3001                                               |
| Standards                        | IEC 60034-1                                                                                                 |
| Starting of Motor                | Direct Online                                                                                               |
| Temperature Class Default        | --                                                                                                          |
| Temperature Rise                 | 80 K                                                                                                        |
| Terminator Box Location          | Top                                                                                                         |
| Two Speed Motor                  | No                                                                                                          |
| Type of Duty                     | S1                                                                                                          |
| UNSPSC                           | 26101100                                                                                                    |
| Voltage Code                     | D                                                                                                           |

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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

