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PRODUCT-DETAILS

## 3GAA082315-ADE

IE2 High Efficiency Aluminum Motors, 0.75 kW,  
400 V (3GAA082315-ADE)



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### General Information

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|----------------------|--|
| Product ID           | 3GAA082315-ADE   |
| ABB Type Designation | M3AA 80E 4   |
| Catalog Description  | IE2 High Efficiency Aluminum Motors, 0.75 kW, 400 V (3GAA082315-ADE) |

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### Additional Information

|                          |                            |
|--------------------------|----------------------------|
| ABB Type Designation     | M3AA 80E 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)<br>Romania (RO) |
| 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 | 1425 r/min | 1.09 A  | 0.720        | 79.80 %    | 5.00 N-m | 6.60  |
| D    | --         | 50 Hz | 400 V   | 0.75 kW | 1425 r/min | 1.88 A  | 0.720        | 79.80 %    | 5.00 N-m | 6.60  |
| D    | --         | 60 Hz | 460 V   | 0.75 kW | 1735 r/min | 1.69 A  | 0.680        | 81.50 %    | 4.10 N-m | 7.50  |

|                                  |   |
|----------------------------------|---|
| Frame Material                   | Aluminum  |
| Frame Size                       | 80  |
| Frequency (f)                    | 50 Hz   |
| Gross Weight                     | 18 kg   |
| IC Class                         | IC411   |
| IE Class Data (50 Hz)            | IE Class IE2<br>Full Load (100%) 79.8 %<br>Partial Load (75%) 80.4 %<br>Partial Load (50%) 77.9 %           |
| IE Class Data (60 Hz)            | IE Class IE2<br>Full Load (100%) 81.5 %<br>Partial Load (75%) 80.9 %<br>Partial Load (50%) 77.5 %           |
| IM Class                         | IMB3 IM1001   |
| Input Voltage (U <sub>in</sub> ) | 400 V   |
| Insulation Class                 | ICLF  |
| Invoice Description              | M3AA 80E 4  |
| IP Class                         | IP55  |
| Lubrication                      | For life  |
| Made To Order                    | No  |
| Medium Description               | 0.75kW, 4 Poles, Frame Size 80, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA082315-ADE) |
| 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       | 292.5 mm  |
| Product Net Height               | 193.5 mm  |
| Product Net Weight               | 15 kg   |
| Product Net Width                | 154 mm  |
| Product Type                     | 3AA2_M3AA_IE2_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, IMB3/IM1001   |
| Standards                        | IEC 60034-1   |
| Starting of Motor                | Direct Online   |
| Stocked At (Warehouses)          | Menden, Germany   |
| Temperature Class 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 → Process Performance Motors → IE2 High Efficiency Aluminum Motors

