

PRODUCT-DETAILS

# 3GAA112212-ASE

## M2AA 112MB 4



### General Information

|                      |                |
|----------------------|----------------|
| Product ID           | 3GAA112212-ASE |
| ABB Type Designation | M2AA 112MB 4   |
| Catalog Description  | M2AA 112MB 4   |

### Additional Information

|                       |                           |
|-----------------------|---------------------------|
| ABB Type Designation  | M2AA 112MB 4              |
| Altitude              | 1000 m                    |
| Ambient Temperature   | 40 °C                     |
| Bearing               | 6306-2Z/C3                |
| Bearing NDE           | 6205-2Z/C3                |
| Country of Origin     | China (CN)<br>Sweden (SE) |
| 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   | 4.00 kW | 1445 r/min | 8.80 A  | 0.750        | 86.70 %    | 26.40 N-m | 7.30  |
| D    | --         | 50 Hz | 230 V   | 4.00 kW | 1445 r/min | 15.30 A | 0.750        | 86.70 %    | 26.40 N-m | 7.30  |
| Y    | --         | 60 Hz | 460 V   | 4.00 kW | 1745 r/min | 7.40 A  | 0.770        | 87.60 %    | 21.80 N-m | 8.20  |

|              |       |
|--------------|-------|
| Gross Weight | 39 kg |
|--------------|-------|

|                              |                                                                                                   |
|------------------------------|---------------------------------------------------------------------------------------------------|
| IC Class                     | IC411                                                                                             |
| IE Class Data (50 Hz)        | IE Class IE2<br>Full Load (100%) 86.7 %<br>Partial Load (75%) 86.5 %<br>Partial Load (50%) 85.2 % |
| IE Class Data (60 Hz)        | IE Class IE2<br>Full Load (100%) 87.6 %<br>Partial Load (75%) 87.5 %<br>Partial Load (50%) 85.7 % |
| IM Class                     | IMB3 IM1001                                                                                       |
| IP Class                     | IP55                                                                                              |
| Insulation Class             | ICLF                                                                                              |
| Invoice Description          | M2AA 112MB 4                                                                                      |
| Lubrication                  | For life                                                                                          |
| Made To Order                | No                                                                                                |
| Minimum Order Quantity       | 1 piece                                                                                           |
| Moment of Inertia            | 0.01260 kg/m³                                                                                     |
| Number of Poles (High)       | 4                                                                                                 |
| Package Level 1 Units        | 0 carton                                                                                          |
| Product Name                 | 3-Phase squirrel cage motor                                                                       |
| Product Net Weight           | 34 kg                                                                                             |
| Product Type                 | 2AA2__M2AA__IE2_AA                                                                                |
| Quote Only                   | No                                                                                                |
| Selling Unit of Measure      | piece                                                                                             |
| Standards                    | IEC 60034-1                                                                                       |
| Starting of Motor            | Direct Online                                                                                     |
| Temperature Class<br>Default | --                                                                                                |
| 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)                                        |

Categories

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



