

PRODUCT-DETAILS

# 3GAA083002-ASE

## M2AA 80B 6



### General Information

|                      |                |
|----------------------|----------------|
| Product ID           | 3GAA083002-ASE |
| ABB Type Designation | M2AA 80B 6     |
| Catalog Description  | M2AA 80B 6     |

### Additional Information

|                       |                           |
|-----------------------|---------------------------|
| ABB Type Designation  | M2AA 80B 6                |
| Altitude              | 1000 m                    |
| Ambient Temperature   | 40 °C                     |
| Bearing               | 6204-2Z/C3                |
| Bearing NDE           | 6203-2Z/C3                |
| Country of Origin     | China (CN)<br>Poland (PL) |
| Customs Tariff Number | 85015100                  |

#### Electrical Data

| Conn | Temp Class | Freq  | Voltage | Power   | Speed      | Current | Power Factor | Efficiency | Torque   | IS/IN |
|------|------------|-------|---------|---------|------------|---------|--------------|------------|----------|-------|
| D    | --         | 50 Hz | 230 V   | 0.55 kW | 905 r/min  | 2.74 A  | 0.730        | 68.70 %    | 5.80 N·m | 3.30  |
| Y    | --         | 50 Hz | 400 V   | 0.55 kW | 905 r/min  | 1.58 A  | 0.730        | 68.70 %    | 5.80 N·m | 3.30  |
| Y    | --         | 60 Hz | 460 V   | 0.55 kW | 1120 r/min | 1.36 A  | 0.680        | 74.60 %    | 4.60 N·m | 4.00  |

|              |       |
|--------------|-------|
| Gross Weight | 13 kg |
| IC Class     | IC411 |

|                           |                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------|
| IE Class Data (50 Hz)     | IE Class NA<br>Full Load (100%) 68.7 %<br>Partial Load (75%) 71.8 %<br>Partial Load (50%) 69.7 %  |
| IE Class Data (60 Hz)     | IE Class IE2<br>Full Load (100%) 74.6 %<br>Partial Load (75%) 75.0 %<br>Partial Load (50%) 71.7 % |
| IM Class                  | IMB3 IM1001                                                                                       |
| IP Class                  | IP55                                                                                              |
| Insulation Class          | ICLF                                                                                              |
| Invoice Description       | M2AA 80B 6                                                                                        |
| Lubrication               | For life                                                                                          |
| Made To Order             | No                                                                                                |
| Minimum Order Quantity    | 1 piece                                                                                           |
| Moment of Inertia         | 0.00260 kg/m³                                                                                     |
| Number of Poles (High)    | 6                                                                                                 |
| Package Level 1 Units     | 1 carton                                                                                          |
| Product Name              | 3-Phase squirrel cage motor                                                                       |
| Product Net Weight        | 10 kg                                                                                             |
| Product Type              | 2AA2__M2AA__IE2_AA                                                                                |
| Quote Only                | No                                                                                                |
| Replaced Product ID (OLD) | 3GVA083003-ASC<br>3GAA083062-ASA<br>3GVA083002-ASC                                                |
| Selling Unit of Measure   | piece                                                                                             |
| Sound dB (A)              | 47 dB(A)                                                                                          |
| 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              | 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



