

PRODUCT-DETAILS

# 3GAA181410-BEK

## M3AA 180MLA 2



### General Information

|                      |                |
|----------------------|----------------|
| Product ID           | 3GAA181410-BEK |
| ABB Type Designation | M3AA 180MLA 2  |
| Catalog Description  | M3AA 180MLA 2  |

### Additional Information

|                       |                             |
|-----------------------|-----------------------------|
| ABB Type Designation  | M3AA 180MLA 2               |
| Altitude              | 1000 m                      |
| Ambient Temperature   | 40 °C                       |
| Bearing               | 6310-2Z/C3                  |
| Bearing NDE           | 6209-2Z/C3                  |
| Country of Origin     | Finland (FI)<br>Poland (PL) |
| Customs Tariff Number | 85015230                    |
| Direction of Rotation | Both sides                  |

#### Electrical Data

| Conn | Temp Class | Freq  | Voltage | Power    | Speed      | Current | Power Factor | Efficiency | Torque    | IS/IN |
|------|------------|-------|---------|----------|------------|---------|--------------|------------|-----------|-------|
| D    | --         | 50 Hz | 500 V   | 22.00 kW | 2956 r/min | 30.10 A | 0.900        | 92.70 %    | 70.98 N-m | 7.80  |
| D    | --         | 60 Hz | 575 V   | 22.00 kW | 3562 r/min | 26.40 A | 0.890        | 91.70 %    | 58.92 N-m | 9.70  |

|              |        |
|--------------|--------|
| Gross Weight | 186 kg |
| IC Class     | IC411  |

|                           |                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------|
| IE Class Data (50 Hz)     | IE Class IE3<br>Full Load (100%) 92.7 %<br>Partial Load (75%) 93.1 %<br>Partial Load (50%) 92.7 % |
| IE Class Data (60 Hz)     | IE Class IE3<br>Full Load (100%) 91.7 %<br>Partial Load (75%) 91.6 %<br>Partial Load (50%) 90.1 % |
| IM Class                  | IMB5 IM3001                                                                                       |
| IP Class                  | IP55                                                                                              |
| Insulation Class          | ICLF                                                                                              |
| Invoice Description       | M3AA 180MLA 2                                                                                     |
| Made To Order             | No                                                                                                |
| Minimum Order Quantity    | 1 piece                                                                                           |
| Number of Poles (High)    | 2                                                                                                 |
| Order Multiple            | 1 piece                                                                                           |
| Package Level 1 Units     | 0 pallet (lift)                                                                                   |
| Product Name              | 3-Phase squirrel cage motor                                                                       |
| Product Net Weight        | 176 kg                                                                                            |
| Product Type              | 3AA3__M3AA_IE3_AA                                                                                 |
| Quote Only                | No                                                                                                |
| Replaced Product ID (OLD) | 3GAA181051-BEK                                                                                    |
| SCIP                      | 27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)                                                 |
| Selling Unit of Measure   | piece                                                                                             |
| Temperature Class Default | --                                                                                                |
| Terminator Box Location   | D-End top                                                                                         |
| Two Speed Motor           | No                                                                                                |
| Type of Duty              | S1                                                                                                |
| UNSPSC                    | 26101100                                                                                          |
| Voltage Code              | E                                                                                                 |
| WEEE Category             | 4. Large Equipment (Any External Dimension More Than 50 cm)                                       |

Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE3 Premium Efficiency Aluminum Motors



