

## PRODUCT-DETAILS

# 3GAA181420-HEK

## M3AA 180MLB 2



### General Information

|                      |                |
|----------------------|----------------|
| Product ID           | 3GAA181420-HEK |
| ABB Type Designation | M3AA 180MLB 2  |
| Catalog Description  | M3AA 180MLB 2  |

### Additional Information

|                       |                             |
|-----------------------|-----------------------------|
| ABB Type Designation  | M3AA 180MLB 2               |
| Altitude              | 1000 m                      |
| Ambient Temperature   | 40 °C                       |
| Bearing               | 6310/C3                     |
| Bearing NDE           | 6209/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   | 30.00 kW | 2956 r/min | 42.10 A | 0.880        | 93.30 %    | 96.88 N·m | 8.70  |
| D    | --         | 60 Hz | 575 V   | 30.00 kW | 3562 r/min | 36.50 A | 0.880        | 93.50 %    | 80.40 N·m | 10.00 |

|              |        |
|--------------|--------|
| Gross Weight | 172 kg |
| IC Class     | IC411  |

|                           |                                                             |
|---------------------------|-------------------------------------------------------------|
| IE Class Data (50 Hz)     | IE Class IE3                                                |
|                           | Full Load (100%) 93.3 %                                     |
|                           | Partial Load (75%) 94.0 %                                   |
|                           | Partial Load (50%) 93.9 %                                   |
| IE Class Data (60 Hz)     | IE Class IE3                                                |
|                           | Full Load (100%) 93.5 %                                     |
|                           | Partial Load (75%) 93.7 %                                   |
|                           | Partial Load (50%) 93.1 %                                   |
| IM Class                  | IMB35 IM2001                                                |
| IP Class                  | IP55                                                        |
| Insulation Class          | ICLF                                                        |
| Invoice Description       | M3AA 180MLB 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)                                             |
| Pre Modified Motor        | 3GAA181420-AEK                                              |
| Product ID                |                                                             |
| Product Name              | 3-Phase squirrel cage motor                                 |
| Product Net Weight        | 162 kg                                                      |
| Product Type              | 3AA3_M3AA_IE3_AA                                            |
| Quote Only                | No                                                          |
| Replaced Product ID (OLD) | 3GAA181052-HEK                                              |
| 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



