

PRODUCT-DETAILS

# 3GJM102820-AFK

## M3JM 100LKB 4



### General Information

|                      |                |
|----------------------|----------------|
| Product ID           | 3GJM102820-AFK |
| ABB Type Designation | M3JM 100LKB 4  |
| Catalog Description  | M3JM 100LKB 4  |

### Additional Information

|                       |               |
|-----------------------|---------------|
| ABB Type Designation  | M3JM 100LKB 4 |
| Altitude              | 1000 m        |
| Ambient Temperature   | 40 °C         |
| Bearing               | 6206-2Z/C3    |
| Bearing NDE           | 6205-2Z/C3    |
| Country of Origin     | Finland (FI)  |
| Customs Tariff Number | 85015220      |
| Direction of Rotation | Both sides    |
| EX-Protection         | Exdb          |

#### Electrical Data

| Conn | Temp Class | Freq  | Voltage | Power   | Speed      | Current | Power Factor | Efficiency | Torque    | IS/IN |
|------|------------|-------|---------|---------|------------|---------|--------------|------------|-----------|-------|
| Y    | --         | 50 Hz | 500 V   | 3.00 kW | 1452 r/min | 4.60 A  | 0.830        | 89.40 %    | 19.70 N-m | 7.50  |
| Y    | --         | 60 Hz | 575 V   | 3.00 kW | 1757 r/min | 4.00 A  | 0.820        | 90.20 %    | 16.30 N-m | 9.80  |

|              |       |
|--------------|-------|
| Gross Weight | 85 kg |
|--------------|-------|

|                              |                                                                                                   |
|------------------------------|---------------------------------------------------------------------------------------------------|
| IC Class                     | IC411                                                                                             |
| IE Class Data (50 Hz)        | IE Class IE3<br>Full Load (100%) 89.4 %<br>Partial Load (75%) 90.5 %<br>Partial Load (50%) 90.5 % |
| IE Class Data (60 Hz)        | IE Class IE3<br>Full Load (100%) 90.2 %<br>Partial Load (75%) 90.3 %<br>Partial Load (50%) 89.0 % |
| IM Class                     | IMB3 IM1001                                                                                       |
| IP Class                     | IP66                                                                                              |
| Insulation Class             | ICLF                                                                                              |
| Invoice Description          | M3JM 100LKB 4                                                                                     |
| Made To Order                | No                                                                                                |
| Minimum Order Quantity       | 1 piece                                                                                           |
| Number of Poles (High)       | 4                                                                                                 |
| Order Multiple               | 1 piece                                                                                           |
| Package Level 1 Units        | 0 carton                                                                                          |
| Product Name                 | 3-Phase squirrel cage motor                                                                       |
| Product Net Weight           | 80 kg                                                                                             |
| Product Type                 | 3JM3__M3JM_IE3_Group_I_Flameproof_Exd_mining_motor                                                |
| Quote Only                   | No                                                                                                |
| Selling Unit of Measure      | piece                                                                                             |
| Temperature Class<br>Default | --                                                                                                |
| Terminator Box Location      | D-End top                                                                                         |
| Two Speed Motor              | No                                                                                                |
| Type of Duty                 | S1                                                                                                |
| UNSPSC                       | 26101100                                                                                          |
| Voltage Code                 | F                                                                                                 |
| WEEE Category                | 5. Small Equipment (No External Dimension More Than 50 cm)                                        |

Categories

Motors and Generators → IEC Low Voltage AC Motors → Mining Motors → Flameproof IE3 Premium Efficiency Mining Motors

