

PRODUCT-DETAILS

# 3GJM284210-BDL

## M3JM 280SMA 8



### General Information

|                      |                |
|----------------------|----------------|
| Product ID           | 3GJM284210-BDL |
| ABB Type Designation | M3JM 280SMA 8  |
| Catalog Description  | M3JM 280SMA 8  |

### Additional Information

|                       |               |
|-----------------------|---------------|
| ABB Type Designation  | M3JM 280SMA 8 |
| Altitude              | 1000 m        |
| Ambient Temperature   | 40 °C         |
| Bearing               | 6316/C3       |
| Bearing NDE           | 6316/C3       |
| Country of Origin     | Finland (FI)  |
| Customs Tariff Number | 85015230      |
| 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 | 690 V   | 37.00 kW | 742 r/min | 42.10 A | 0.790        | 91.80 %    | 476.00 N·m | 7.30  |
| D    | --         | 50 Hz | 400 V   | 37.00 kW | 742 r/min | 73.00 A | 0.790        | 91.80 %    | 476.00 N·m | 7.30  |
| D    | --         | 50 Hz | 415 V   | 37.00 kW | 743 r/min | 71.90 A | 0.770        | 91.80 %    | 476.00 N·m | 7.70  |

|                           |                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------|
| Gross Weight              | 746 kg                                                                                            |
| IC Class                  | IC411                                                                                             |
| IE Class Data (50 Hz)     | IE Class IE3<br>Full Load (100%) 91.8 %<br>Partial Load (75%) 91.8 %<br>Partial Load (50%) 90.4 % |
| IE Class Data (60 Hz)     | IE Class IE3<br>Full Load (100%) 92.4 %<br>Partial Load (75%) 92.1 %<br>Partial Load (50%) 90.5 % |
| IM Class                  | IMB5 IM3001                                                                                       |
| IP Class                  | IP66                                                                                              |
| Insulation Class          | ICLF                                                                                              |
| Invoice Description       | M3JM 280SMA 8                                                                                     |
| Made To Order             | No                                                                                                |
| Minimum Order Quantity    | 1 piece                                                                                           |
| Number of Poles (High)    | 8                                                                                                 |
| Order Multiple            | 1 piece                                                                                           |
| Package Level 1 Units     | 0 pallet (lift)                                                                                   |
| Product Name              | 3-Phase squirrel cage motor                                                                       |
| Product Net Weight        | 726 kg                                                                                            |
| Product Type              | 5JM3__M3JM_IE3_Group_I_Flameproof_Exd_mining_motor                                                |
| Quote Only                | No                                                                                                |
| 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              | D                                                                                                 |
| WEEE Category             | 4. Large Equipment (Any External Dimension More Than 50 cm)                                       |

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## Categories

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



