

PRODUCT-DETAILS

# 3GKP102820-CEK

## M3KP 100LKB 4



### General Information

|                      |                |
|----------------------|----------------|
| Product ID           | 3GKP102820-CEK |
| ABB Type Designation | M3KP 100LKB 4  |
| Catalog Description  | M3KP 100LKB 4  |

### Additional Information

|                       |               |
|-----------------------|---------------|
| ABB Type Designation  | M3KP 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         | Exdbeb        |

#### Electrical Data

| Conn | Temp Class | Freq  | Voltage | Power   | Speed      | Current | Power Factor | Efficiency | Torque    | IS/IN |
|------|------------|-------|---------|---------|------------|---------|--------------|------------|-----------|-------|
| D    | T4         | 50 Hz | 500 V   | 3.00 kW | 1452 r/min | 4.60 A  | 0.830        | 89.40 %    | 19.70 N-m | 7.50  |
| D    | T4         | 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            | 75 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                | IMB14 IM3601                                                                                      |
| IP Class                | IP55                                                                                              |
| Insulation Class        | ICLF                                                                                              |
| Invoice Description     | M3KP 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                                                                                          |
| Pre Modified Motor      | 3GKP102820-BEK                                                                                    |
| Product ID              |                                                                                                   |
| Product Name            | 3-Phase squirrel cage motor                                                                       |
| Product Net Weight      | 70 kg                                                                                             |
| Product Type            | 3KP3__M3KP_IE3_Flameproof_Exde_motor                                                              |
| Quote Only              | No                                                                                                |
| Selling Unit of Measure | piece                                                                                             |
| Temperature Class       | T4                                                                                                |
| Default                 |                                                                                                   |
| Terminator Box Location | D-End top                                                                                         |
| Two Speed Motor         | No                                                                                                |
| Type of Duty            | S1                                                                                                |
| UNSPSC                  | 26101100                                                                                          |
| Voltage Code            | E                                                                                                 |
| WEEE Category           | 5. Small Equipment (No External Dimension More Than 50 cm)                                        |

Categories

Motors and Generators → Motors and Generators for Explosive Atmospheres → Flameproof Motors → Flameproof IE3 Premium Efficiency LV Motors



