

PRODUCT-DETAILS

3GGP402530-BDK

Dust Ignition Proof IE3 LV Motors, 680 kW, 400 V (3GGP402530-BDK)



General Information

| | |
|----------------------|---|
| Product ID | 3GGP402530-BDK |
| ABB Type Designation | M3GP 400LC 4 |
| Catalog Description | Dust Ignition Proof IE3 LV Motors, 680 kW, 400 V (3GGP402530-BDK) |

Additional Information

| | |
|--------------------------|--------------|
| ABB Type Designation | M3GP 400LC 4 |
| Altitude | 1000 m |
| Ambient Temperature | 40 °C |
| Bearing | 6324/C3 |
| Bearing NDE | 6319/C3 |
| Connection Configuration | D |
| Country of Origin | Finland (FI) |
| Customs Tariff Number | 85015394 |
| Direction of Rotation | CW Clockwise |

Electrical Data

| Conn | Temp Class | Freq | Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
|------|------------|-------|---------|-----------|------------|-----------|--------------|------------|-------------|-------|
| Y | T3 | 50 Hz | 690 V | 680.00 kW | 1491 r/min | 699.00 A | 0.850 | 96.00 % | 4354.00 N-m | 7.70 |
| D | T3 | 50 Hz | 400 V | 680.00 kW | 1491 r/min | 1206.00 A | 0.850 | 96.00 % | 4354.00 N-m | 7.70 |
| D | T3 | 50 Hz | 415 V | 680.00 kW | 1492 r/min | 1176.00 A | 0.830 | 96.00 % | 4353.00 N-m | 7.70 |
| D | T3 | 60 Hz | 460 V | 680.00 kW | 1793 r/min | 1035.00 A | 0.850 | 96.20 % | 3622.25 N-m | 9.00 |

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|----------------------------------|---|
| EX-Protection | Exec |
| Frame Material | Cast Iron |
| Frame Size | 400 |
| Frequency (f) | 50 Hz |
| Gas Group | IIC |
| Gross Weight | 3440 kg |
| IC Class | IC411 |
| IE Class Data (50 Hz) | IE Class IE3 Full Load (100%) 96.0 % Partial Load (75%) 95.9 % Partial Load (50%) 95.2 % |
| IE Class Data (60 Hz) | IE Class IE3 Full Load (100%) 96.2 % Partial Load (75%) 95.9 % Partial Load (50%) 95.0 % |
| IM Class | IMB5 IM3001 |
| Input Voltage (U _{in}) | 400 V |
| Insulation Class | ICLF |
| IP Class | IP55 |
| Made To Order | No |
| Medium Description | 680kW, 4 Poles, Frame Size 400, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GGP402530-BDK) |
| Minimum Order Quantity | 1 piece |
| Number of Poles (High) | 4 |
| Order Multiple | 1 piece |
| Output Power | 680 kW |
| Package Level 1 Units | 0 pallet (lift) |
| Product Name | 3-Phase squirrel cage motor |
| Product Net Depth / Length | 1891 mm |
| Product Net Height | 1045 mm |
| Product Net Weight | 3400 kg |
| Product Net Width | 840 mm |
| Product Type | 3GP3_M3GP_IE3_CI |
| Quote Only | No |
| Selling Unit of Measure | piece |
| Short Description | 680kW, 4P, Frame Size 400, 3PH, 400V, 50Hz, IP55, IMB5/IM3001 |
| Temperature Class Default | T3 |
| Terminator Box Location | 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) |

Categories

Motors and Generators → Motors and Generators for Explosive Atmospheres → Dust Ignition Proof Motors → Dust Ignition Proof IE3 LV Motors

