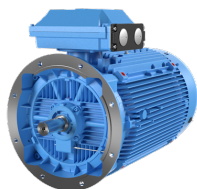


PRODUCT-DETAILS

3GGP283220-BDL

Dust Ignition Proof IE3 LV Motors, 45 kW, 400 V (3GGP283220-BDL)



General Information

| | |
|----------------------|--|
| Product ID | 3GGP283220-BDL |
| ABB Type Designation | M3GP 280SMB 6 |
| Catalog Description | Dust Ignition Proof IE3 LV Motors, 45 kW, 400 V (3GGP283220-BDL) |

Additional Information

| | |
|--------------------------|---------------|
| ABB Type Designation | M3GP 280SMB 6 |
| Altitude | 1000 m |
| Ambient Temperature | 40 °C |
| Bearing | 6316/C3 |
| Bearing NDE | 6316/C3 |
| Connection Configuration | D |
| Country of Origin | Finland (FI) |
| Customs Tariff Number | 85015290 |
| Direction of Rotation | Both sides |
| Electrical Data | |

| Conn | Temp Class | Freq | Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
|------|------------|-------|---------|----------|-----------|---------|--------------|------------|------------|-------|
| Y | T3 | 50 Hz | 690 V | 45.00 kW | 991 r/min | 47.80 A | 0.840 | 93.70 % | 433.00 N-m | 7.40 |
| D | T3 | 50 Hz | 400 V | 45.00 kW | 991 r/min | 82.00 A | 0.840 | 93.70 % | 433.00 N-m | 7.40 |
| D | T3 | 50 Hz | 415 V | 45.00 kW | 990 r/min | 79.70 A | 0.830 | 93.70 % | 433.00 N-m | 7.90 |

| | |
|----------------------------------|--|
| EX-Protection | Exec |
| Frame Material | Cast Iron |
| Frame Size | 280 |
| Frequency (f) | 50 Hz |
| Gas Group | IIC |
| Gross Weight | 665 kg |
| IC Class | IC411 |
| IE Class Data (50 Hz) | IE Class IE3 Full Load (100%) 93.7 % Partial Load (75%) 93.7 % Partial Load (50%) 92.8 % |
| IE Class Data (60 Hz) | IE Class IE3 Full Load (100%) 94.5 % Partial Load (75%) 94.3 % Partial Load (50%) 93.1 % |
| IM Class | IMB5 IM3001 |
| Input Voltage (U _{in}) | 400 V |
| Insulation Class | ICLF |
| Invoice Description | M3GP 280SMB 6 |
| IP Class | IP55 |
| Made To Order | No |
| Medium Description | 45kW, 6 Poles, Frame Size 280, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GGP283220-BDL) |
| Minimum Order Quantity | 1 piece |
| Number of Poles (High) | 6 |
| Order Multiple | 1 piece |
| Output Power | 45 kW |
| Package Level 1 Units | 0 pallet (lift) |
| Product Name | 3-Phase squirrel cage motor |
| Product Net Depth / Length | 1088 mm |
| Product Net Height | 762 mm |
| Product Net Weight | 645 kg |
| Product Net Width | 577 mm |
| Product Type | 5GP3 M3GP CI |
| Quote Only | No |
| Selling Unit of Measure | piece |
| Short Description | 45kW, 6P, Frame Size 280, 3PH, 400V, 50Hz, IP55, IMB5/IM3001 |
| Temperature Class Default | T3 |
| 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) |

Categories

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

