

PRODUCT-DETAILS

## 3GGP254210-BDK

Dust Ignition Proof IE3 LV Motors, 30 kW, 400 V (3GGP254210-BDK)



### General Information

|                      |  |
|----------------------|--|
| Product ID           | 3GGP254210-BDK   |
| ABB Type Designation | M3GP 250SMA 8  |
| Catalog Description  | Dust Ignition Proof IE3 LV Motors, 30 kW, 400 V (3GGP254210-BDK) |

### Additional Information

|                          |               |
|--------------------------|---------------|
| ABB Type Designation     | M3GP 250SMA 8 |
| Altitude                 | 1000 m        |
| Ambient Temperature      | 40 °C         |
| Bearing                  | 6315/C3       |
| Bearing NDE              | 6213/C3       |
| Connection Configuration | D             |
| Country of Origin        | Finland (FI)  |
| Customs Tariff Number    | 85015230      |
| 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   | 30.00 kW | 741 r/min | 38.60 A | 0.710        | 91.30 %    | 386.00 N-m | 5.60  |
| D    | T3         | 50 Hz | 400 V   | 30.00 kW | 741 r/min | 67.00 A | 0.710        | 91.30 %    | 386.00 N-m | 5.60  |
| Y    | T3         | 50 Hz | 660 V   | 30.00 kW | 740 r/min | 39.60 A | 0.730        | 91.30 %    | 387.00 N-m | 5.10  |
| D    | T3         | 50 Hz | 380 V   | 30.00 kW | 740 r/min | 68.60 A | 0.730        | 91.30 %    | 387.00 N-m | 5.10  |
| D    | T3         | 50 Hz | 415 V   | 30.00 kW | 742 r/min | 66.60 A | 0.680        | 91.30 %    | 386.00 N-m | 5.90  |
| D    | T3         | 60 Hz | 460 V   | 30.00 kW | 892 r/min | 59.40 A | 0.680        | 91.70 %    | 321.00 N-m | 6.30  |

|                                  |  |
|----------------------------------|--|
| EX-Protection                    | Exec   |
| Frame Material                   | Cast Iron  |
| Frame Size                       | 250  |
| Frequency (f)                    | 50 Hz  |
| Gas Group                        | IIC  |
| Gross Weight                     | 450 kg   |
| IC Class                         | IC411  |
| IE Class Data (50 Hz)            | IE Class IE3<br>Full Load (100%) 91.3 %<br>Partial Load (75%) 91.1 %<br>Partial Load (50%) 89.7 %          |
| IE Class Data (60 Hz)            | IE Class IE3<br>Full Load (100%) 91.7 %<br>Partial Load (75%) 91.8 %<br>Partial Load (50%) 90.5 %          |
| IM Class                         | IMB5 IM3001  |
| Input Voltage (U <sub>in</sub> ) | 400 V  |
| Insulation Class                 | ICLF   |
| IP Class                         | IP55   |
| Made To Order                    | No   |
| Medium Description               | 30kW, 8 Poles, Frame Size 250, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GGP254210-BDK) |
| Minimum Order Quantity           | 1 piece  |
| Number of Poles (High)           | 8  |
| Order Multiple                   | 1 piece  |
| Output Power                     | 30 kW  |
| Package Level 1 Units            | 0 pallet (lift)  |
| Product Name                     | 3-Phase squirrel cage motor  |
| Product Net Depth / Length       | 884 mm   |
| Product Net Height               | 626 mm   |
| Product Net Weight               | 440 kg   |
| Product Net Width                | 508 mm   |
| Product Type                     | 3GP3__M3GP_IE3_CI  |
| Quote Only                       | No   |
| Selling Unit of Measure          | piece  |
| Short Description                | 30kW, 8P, Frame Size 250, 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)  |

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## Categories

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

