

PRODUCT-DETAILS

# 3GAA163430-BDG

## M3AA 160MLC 6



### General Information

|                      |                |
|----------------------|----------------|
| Product ID           | 3GAA163430-BDG |
| ABB Type Designation | M3AA 160MLC 6  |
| Catalog Description  | M3AA 160MLC 6  |

### Additional Information

|                       |                                           |
|-----------------------|-------------------------------------------|
| ABB Type Designation  | M3AA 160MLC 6                             |
| Altitude              | 1000 m                                    |
| Ambient Temperature   | 40 °C                                     |
| Bearing               | 6309-2Z/C3                                |
| Bearing NDE           | 6209-2Z/C3                                |
| Country of Origin     | Finland (FI)<br>China (CN)<br>Poland (PL) |
| 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    | --         | 50 Hz | 690 V   | 15.00 kW | 971 r/min  | 18.10 A | 0.770        | 89.70 %    | 147.00 N·m | 7.30  |
| D    | --         | 50 Hz | 400 V   | 15.00 kW | 971 r/min  | 31.30 A | 0.770        | 89.70 %    | 147.00 N·m | 7.30  |
| D    | --         | 50 Hz | 415 V   | 15.00 kW | 974 r/min  | 30.90 A | 0.750        | 90.00 %    | 147.00 N·m | 7.70  |
| D    | --         | 60 Hz | 440 V   | 15.00 kW | 1173 r/min | 28.30 A | 0.770        | 90.20 %    | 122.00 N·m | 7.40  |
| D    | --         | 60 Hz | 460 V   | 15.00 kW | 1176 r/min | 27.60 A | 0.750        | 90.70 %    | 121.00 N·m | 8.10  |
| Y    | --         | 50 Hz | 690 V   | 14.00 kW | 973 r/min  | 17.20 A | 0.750        | 89.70 %    | 136.88 N·m | 7.70  |
| Y    | --         | 50 Hz | 690 V   | 14.00 kW | 973 r/min  | 17.20 A | 0.750        | 89.70 %    | 136.88 N·m | 7.70  |
| Y    | --         | 50 Hz | 690 V   | 14.00 kW | 973 r/min  | 17.20 A | 0.750        | 89.70 %    | 136.88 N·m | 7.70  |
| Y    | --         | 50 Hz | 690 V   | 14.00 kW | 973 r/min  | 17.20 A | 0.750        | 89.70 %    | 136.88 N·m | 7.70  |
| Y    | --         | 50 Hz | 690 V   | 14.00 kW | 973 r/min  | 17.20 A | 0.750        | 89.70 %    | 136.88 N·m | 7.70  |
| D    | --         | 50 Hz | 400 V   | 14.00 kW | 971 r/min  | 30.10 A | 0.750        | 89.70 %    | 136.88 N·m | 7.70  |
| D    | --         | 50 Hz | 400 V   | 14.00 kW | 971 r/min  | 30.10 A | 0.750        | 89.70 %    | 136.88 N·m | 7.70  |
| D    | --         | 50 Hz | 400 V   | 14.00 kW | 971 r/min  | 30.10 A | 0.750        | 89.70 %    | 136.88 N·m | 7.70  |
| D    | --         | 50 Hz | 400 V   | 14.00 kW | 971 r/min  | 30.10 A | 0.750        | 89.70 %    | 136.88 N·m | 7.70  |
| D    | --         | 50 Hz | 400 V   | 14.00 kW | 971 r/min  | 30.10 A | 0.750        | 89.70 %    | 136.88 N·m | 7.70  |
| D    | --         | 50 Hz | 415 V   | 14.00 kW | 975 r/min  | 29.80 A | 0.730        | 90.00 %    | 136.61 N·m | 8.10  |
| D    | --         | 50 Hz | 415 V   | 14.00 kW | 975 r/min  | 29.80 A | 0.730        | 90.00 %    | 136.61 N·m | 8.10  |
| D    | --         | 50 Hz | 415 V   | 14.00 kW | 975 r/min  | 29.80 A | 0.730        | 90.00 %    | 136.61 N·m | 8.10  |
| D    | --         | 50 Hz | 415 V   | 14.00 kW | 975 r/min  | 29.80 A | 0.730        | 90.00 %    | 136.61 N·m | 8.10  |
| D    | --         | 50 Hz | 415 V   | 14.00 kW | 975 r/min  | 29.80 A | 0.730        | 90.00 %    | 136.61 N·m | 8.10  |
| D    | --         | 60 Hz | 440 V   | 14.00 kW | 1174 r/min | 26.70 A | 0.760        | 90.30 %    | 113.48 N·m | 8.00  |
| D    | --         | 60 Hz | 440 V   | 14.00 kW | 1174 r/min | 26.70 A | 0.760        | 90.30 %    | 113.48 N·m | 8.00  |
| D    | --         | 60 Hz | 440 V   | 14.00 kW | 1174 r/min | 26.70 A | 0.760        | 90.30 %    | 113.48 N·m | 8.00  |
| D    | --         | 60 Hz | 440 V   | 14.00 kW | 1174 r/min | 26.70 A | 0.760        | 90.30 %    | 113.48 N·m | 8.00  |
| D    | --         | 60 Hz | 440 V   | 14.00 kW | 1174 r/min | 26.70 A | 0.760        | 90.30 %    | 113.48 N·m | 8.00  |
| D    | --         | 60 Hz | 460 V   | 14.00 kW | 1176 r/min | 26.60 A | 0.730        | 90.40 %    | 113.25 N·m | 8.60  |
| D    | --         | 60 Hz | 460 V   | 14.00 kW | 1176 r/min | 26.60 A | 0.730        | 90.40 %    | 113.25 N·m | 8.60  |
| D    | --         | 60 Hz | 460 V   | 14.00 kW | 1176 r/min | 26.60 A | 0.730        | 90.40 %    | 113.25 N·m | 8.60  |
| D    | --         | 60 Hz | 460 V   | 14.00 kW | 1176 r/min | 26.60 A | 0.730        | 90.40 %    | 113.25 N·m | 8.60  |
| D    | --         | 60 Hz | 460 V   | 14.00 kW | 1176 r/min | 26.60 A | 0.730        | 90.40 %    | 113.25 N·m | 8.60  |

Gross Weight 148 kg

IC Class IC411

|                           |                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------|
| IE Class Data (50 Hz)     | IE Class IE2<br>Full Load (100%) 89.7 %<br>Partial Load (75%) 90.0 %<br>Partial Load (50%) 88.9 % |
| IE Class Data (60 Hz)     | IE Class IE2<br>Full Load (100%) 90.2 %<br>Partial Load (75%) 91.2 %<br>Partial Load (50%) 90.7 % |
| IM Class                  | IMB5 IM3001                                                                                       |
| IP Class                  | IP55                                                                                              |
| Insulation Class          | ICLF                                                                                              |
| Invoice Description       | M3AA 160MLC 6                                                                                     |
| Made To Order             | No                                                                                                |
| Minimum Order Quantity    | 1 piece                                                                                           |
| Number of Poles (High)    | 6                                                                                                 |
| Order Multiple            | 1 piece                                                                                           |
| Package Level 1 Units     | 0 pallet (lift)                                                                                   |
| Product Name              | 3-Phase squirrel cage motor                                                                       |
| Product Net Weight        | 138 kg                                                                                            |
| Product Type              | 3AA2__M3AA_IE2_AA                                                                                 |
| Quote Only                | No                                                                                                |
| Replaced Product ID (OLD) | 3GAA163033-BDG                                                                                    |
| SCIP                      | 27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)                                                 |
| 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)                                       |

Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Aluminum Motors



