

PRODUCT-DETAILS

# 3GAA162430-BSG

## M3AA 160MLC 4



### General Information

|                      |                |
|----------------------|----------------|
| Product ID           | 3GAA162430-BSG |
| ABB Type Designation | M3AA 160MLC 4  |
| Catalog Description  | M3AA 160MLC 4  |

### Additional Information

|                       |                             |
|-----------------------|-----------------------------|
| ABB Type Designation  | M3AA 160MLC 4               |
| Altitude              | 1000 m                      |
| Ambient Temperature   | 40 °C                       |
| Bearing               | 6309-2Z/C3                  |
| Bearing NDE           | 6209-2Z/C3                  |
| Country of Origin     | Finland (FI)<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 | 400 V   | 18.50 kW | 1469 r/min | 34.70 A | 0.840        | 91.40 %    | 120.00 N·m | 7.60  |
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| D    | --         | 50 Hz | 230 V   | 18.50 kW | 1469 r/min | 61.50 A | 0.840        | 91.40 %    | 120.00 N·m | 7.60  |
| D    | --         | 50 Hz | 230 V   | 18.50 kW | 1469 r/min | 61.50 A | 0.840        | 91.40 %    | 120.00 N·m | 7.60  |
| D    | --         | 50 Hz | 230 V   | 18.50 kW | 1469 r/min | 61.50 A | 0.840        | 91.40 %    | 120.00 N·m | 7.60  |
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| Y    | --         | 50 Hz | 415 V   | 18.50 kW | 1472 r/min | 34.20 A | 0.820        | 91.70 %    | 120.00 N·m | 7.10  |
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| Y    | --         | 50 Hz | 415 V   | 18.50 kW | 1472 r/min | 34.20 A | 0.820        | 91.70 %    | 120.00 N·m | 7.10  |
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| Y    | --         | 60 Hz | 440 V   | 18.50 kW | 1771 r/min | 30.90 A | 0.850        | 92.30 %    | 99.70 N·m  | 8.10  |
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| Y    | --         | 60 Hz | 440 V   | 18.50 kW | 1771 r/min | 30.90 A | 0.850        | 92.30 %    | 99.70 N·m  | 8.10  |
| Y    | --         | 60 Hz | 460 V   | 18.50 kW | 1774 r/min | 30.20 A | 0.830        | 92.40 %    | 99.50 N·m  | 8.70  |
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Gross Weight 137 kg

IC Class IC411

IE Class Data (50 Hz) IE Class IE2  
Full Load (100%) 91.4 %  
Partial Load (75%) 92.5 %  
Partial Load (50%) 92.3 %

IE Class Data (60 Hz) IE Class IE1

|                           |                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------|
|                           | Full Load (100%) 92.3 %<br>Partial Load (75%) 92.8 %<br>Partial Load (50%) 92.3 % |
| IM Class                  | IMB5 IM3001                                                                       |
| IP Class                  | IP55                                                                              |
| Insulation Class          | ICLF                                                                              |
| Invoice Description       | M3AA 160MLC 4                                                                     |
| Made To Order             | No                                                                                |
| Minimum Order Quantity    | 1 piece                                                                           |
| Number of Poles (High)    | 4                                                                                 |
| Order Multiple            | 1 piece                                                                           |
| Package Level 1 Units     | 0 pallet (lift)                                                                   |
| Product Name              | 3-Phase squirrel cage motor                                                       |
| Product Net Weight        | 127 kg                                                                            |
| Product Type              | 3AA2__M3AA_IE2_AA                                                                 |
| Quote Only                | No                                                                                |
| Replaced Product ID (OLD) | 3GAA162063-BSA<br>3GAA162033-BSG                                                  |
| 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              | S                                                                                 |
| 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

