

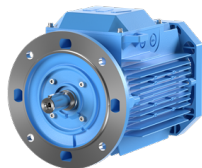



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 PRODUCT-DETAILS

## 3GAA132310-BEE

IE2 High Efficiency Aluminum Motors, 7.5 kW,  
500 V (3GAA132310-BEE)




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**General Information**

|                      |   |
|----------------------|---|
| Product ID           | 3GAA132310-BEE  |
| ABB Type Designation | M3AA 132MA 4  |
| Catalog Description  | IE2 High Efficiency Aluminum Motors, 7.5 kW, 500 V (3GAA132310-BEE) |

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**Ordering**

|                         |   |
|-------------------------|---|
| ABB Type Designation    | M3AA 132MA 4                              |
| Invoice Description     | M3AA 132MA 4                              |
| Product Name            | 3-Phase squirrel cage motor               |
| Product Type            | 3AA2_M3AA_IE2_AA                          |
| Made To Order           | No  |
| Minimum Order Quantity  | 1 piece                                   |
| Order Multiple          | 1 piece                                   |
| Selling Unit of Measure | piece                                     |
| Country of Origin       | Finland (FI)<br>China (CN)<br>Poland (PL) |
| Customs Tariff Number   | 85015220                                  |

|                           |   |
|---------------------------|---|
| Replaced Product ID (OLD) | 3GAA132314-BEE  |
| Stocked At (Warehouses)   | Shanghai, China   |
| Medium Description        | 7.5kW, 4 Poles, Frame Size 132, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA132310-BEE) |
| Short Description         | 7.5kW, 4P, Frame Size 132, 3PH, 500V, 50Hz, IP55, IMB5/IM3001   |

## Electrical

### Electrical Data

| Conn | Temp Class | Freq  | Voltage | Power   | Speed      | Current | Power Factor | Efficiency | Torque    | IS/IN |
|------|------------|-------|---------|---------|------------|---------|--------------|------------|-----------|-------|
| D    | --         | 50 Hz | 500 V   | 7.50 kW | 1460 r/min | 12.30 A | 0.790        | 88.70 %    | 49.00 N·m | 6.40  |
| D    | --         | 60 Hz | 575 V   | 7.50 kW | 1760 r/min | 10.30 A | 0.810        | 89.50 %    | 40.60 N·m | 7.20  |

|                                  |   |
|----------------------------------|---|
| Connection Configuration         | D   |
| Temperature Class Default        | --  |
| Input Voltage (U <sub>in</sub> ) | 500 V   |
| Frequency (f)                    | 50 Hz   |
| Output Power                     | 7.5 kW  |
| Altitude                         | 1000 m  |
| Ambient Temperature              | 40 °C   |
| IC Class                         | IC411   |
| IE Class Data (50 Hz)            | IE Class IE2<br>Full Load (100%) 88.7 %<br>Partial Load (75%) 89.6 %<br>Partial Load (50%) 89.2 % |
| IE Class Data (60 Hz)            | IE Class IE2<br>Full Load (100%) 89.5 %<br>Partial Load (75%) 89.8 %<br>Partial Load (50%) 89.0 % |
| IP Class                         | IP55  |
| Insulation Class                 | ICLF  |
| Direction of Rotation            | Both sides  |
| Number of Poles (High)           | 4   |
| Two Speed Motor                  | No  |
| Type of Duty                     | S1  |
| Voltage Code                     | E   |

## Mechanical

|                         |             |
|-------------------------|-------------|
| Frame Material          | Aluminum    |
| Frame Size              | 132         |
| Bearing                 | 6208-2Z/C3  |
| Bearing NDE             | 6206-2Z/C3  |
| IM Class                | IMB5 IM3001 |
| Terminator Box Location | D-End top   |

## Dimensions

|                       |          |
|-----------------------|----------|
| Package Level 1 Units | 0 carton |
|-----------------------|----------|

|                            |        |
|----------------------------|--------|
| Product Net Depth / Length | 447 mm |
| Product Net Height         | 296 mm |
| Product Net Width          | 262 mm |
| Product Net Weight         | 59 kg  |
| Gross Weight               | 64 kg  |

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## Environmental

|               |  |
|---------------|--|
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| SCIP          | 27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)          |

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## Classifications

|        |          |
|--------|----------|
| UNSPSC | 26101100 |
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## Categories

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

