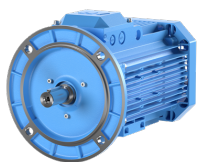


PRODUCT-DETAILS

3GAA101312-BSE

IE2 High Efficiency Aluminum Motors, 3 kW,
400 V (3GAA101312-BSE)



General Information

| | |
|----------------------|---|
| Product ID | 3GAA101312-BSE |
| ABB Type Designation | M3AA 100LB 2 |
| Catalog Description | IE2 High Efficiency Aluminum Motors, 3 kW, 400 V (3GAA101312-BSE) |

Additional Information

| | |
|--------------------------|--|
| ABB Type Designation | M3AA 100LB 2 |
| Altitude | 1000 m |
| Ambient Temperature | 40 °C |
| Bearing | 6306-2Z/C3 |
| Bearing NDE | 6205-2Z/C3 |
| Connection Configuration | Y |
| Core Credit | 0.00 |
| Country of Origin | Poland (PL) China (CN) Sweden (SE) |
| Customs Tariff Number | 85015220 |
| Direction of Rotation | Both sides |
| Electrical Data | |

| Conn | Temp Class | Freq | Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
|------|------------|-------|---------|---------|------------|---------|--------------|------------|----------|-------|
| D | -- | 50 Hz | 230 V | 3.00 kW | 2920 r/min | 10.00 A | 0.860 | 86.40 % | 9.80 N-m | 9.30 |
| Y | -- | 50 Hz | 400 V | 3.00 kW | 2920 r/min | 5.80 A | 0.860 | 86.40 % | 9.80 N-m | 9.30 |
| Y | -- | 60 Hz | 460 V | 3.00 kW | 3530 r/min | 5.10 A | 0.840 | 87.50 % | 8.10 N-m | 10.00 |

| | |
|----------------------------------|---|
| Frame Material | Aluminum |
| Frame Size | 100 |
| Frequency (f) | 50 Hz |
| Gross Weight | 25.65 kg |
| IC Class | IC411 |
| IE Class Data (50 Hz) | IE Class IE2 Full Load (100%) 86.4 % Partial Load (75%) 86.0 % Partial Load (50%) 83.9 % |
| IE Class Data (60 Hz) | IE Class IE2 Full Load (100%) 87.5 % |
| IM Class | IMB5 IM3001 |
| Input Voltage (U _{in}) | 400 V |
| Insulation Class | ICLF |
| Invoice Description | M3AA 100LB 2 |
| IP Class | IP55 |
| Lubrication | For life |
| Made To Order | No |
| Medium Description | 3kW, 2 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA101312-BSE) |
| Minimum Order Quantity | 1 piece |
| Number of Poles (High) | 2 |
| Order Multiple | 1 piece |
| Output Power | 3 kW |
| Package Level 1 Units | 0 carton |
| Product Name | 3-Phase squirrel cage motor |
| Product Net Depth / Length | 351 mm |
| Product Net Height | 237 mm |
| Product Net Weight | 25 kg |
| Product Net Width | 200 mm |
| Product Type | 3AA2_M3AA_IE2_AA |
| Quote Only | No |
| Replaced Product ID (OLD) | 3GAA101312-BSC |
| SCIP | 27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI) |
| Selling Unit of Measure | piece |
| Short Description | 3kW, 2P, Frame Size 100, 3PH, 400V, 50Hz, IP55, IMB5/IM3001 |
| Standards | IEC 60034-1 |
| Stocked At (Warehouses) | Alabama, United States Shanghai, China |
| Temperature Class Default | -- |
| Terminator Box Location | D-End top |
| Two Speed Motor | No |
| Type of Duty | S1 |
| UNSPSC | 26101100 |
| Voltage Code | S |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

Categories

Motors and Generators → IEC Low Voltage AC Motors → Legacy IEC Low Voltage Motors → Aluminum Motors

Motors and Generators → IEC Low Voltage AC Motors → Legacy IEC Low Voltage Motors → Global Motors

Motors and Generators → IEC Low Voltage AC Motors → Marine Motors → Marine Process Performance Motors

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

