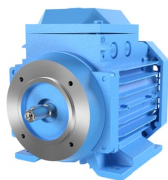




PRODUCT-DETAILS

3GAA062312-JSF

IE2 High Efficiency Aluminum Motors, 0.18 kW,
400 V (3GAA062312-JSF)



General Information

| | |
|----------------------|--|
| Product ID | 3GAA062312-JSF |
| ABB Type Designation | M3AA 63B 4 |
| Catalog Description | IE2 High Efficiency Aluminum Motors, 0.18 kW, 400 V (3GAA062312-JSF) |

Ordering

| | |
|------------------------------|---|
| ABB Type Designation | M3AA 63B 4 |
| Invoice Description | M3AA 63B 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 | China (CN) Romania (RO) |
| Customs Tariff Number | 85015100 |
| Replaced Product ID (OLD) | 3GAA062002-JSC |
| Stocked At (Warehouses) | Menden, Germany Vittuone, Italy |
| Medium Description | 0.18kW, 4 Poles, Frame Size 63, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB34/IM2101 Mounting (3GAA062312-JSF) |

Short Description0.18kW, 4P, Frame Size 63, 3PH, 400V, 50Hz, IP55, IMB34/IM2101

Electrical

Electrical Data

| Conn | Temp Class | Freq | Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
|------|------------|-------|---------|---------|------------|---------|--------------|------------|----------|-------|
| Y | -- | 50 Hz | 400 V | 0.18 kW | 1380 r/min | 0.58 A | 0.680 | 64.70 % | 1.25 N·m | 3.60 |
| D | -- | 50 Hz | 230 V | 0.18 kW | 1380 r/min | 1.00 A | 0.680 | 65.90 % | 1.25 N·m | 3.60 |
| Y | -- | 60 Hz | 460 V | 0.18 kW | 1700 r/min | 0.53 A | 0.620 | 68.00 % | 1.00 N·m | 3.50 |

| | |
|----------------------------------|---|
| Connection Configuration | Y |
| Temperature Class Default | -- |
| Input Voltage (U _{in}) | 400 V |
| Frequency (f) | 50 Hz |
| Output Power | 0.18 kW |
| Altitude | 1000 m |
| Ambient Temperature | 40 °C |
| IC Class | IC411 |
| IE Class Data (50 Hz) | IE Class IE2 Full Load (100%) 64.7 % Partial Load (75%) 62.8 % Partial Load (50%) 55.9 % |
| IE Class Data (60 Hz) | IE Class IE2 Full Load (100%) 68.0 % Partial Load (75%) 65.4 % Partial Load (50%) 57.7 % |
| 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 | S |

Mechanical

| | |
|-------------------------|--------------|
| Frame Material | Aluminum |
| Frame Size | 63 |
| Bearing | 6201-2Z/C3 |
| Bearing NDE | 6201-2Z/C3 |
| IM Class | IMB34 IM2101 |
| Terminator Box Location | D-End top |

Dimensions

| | |
|----------------------------|----------|
| Package Level 1 Units | 0 carton |
| Product Net Depth / Length | 208 mm |
| Product Net Height | 154 mm |
| Product Net Width | 124 mm |
| Product Net Weight | 4.4 kg |
| Gross Weight | 5.4 kg |

Environmental

| | |
|---------------|--|
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
|---------------|--|

Classifications

| | |
|--------|----------|
| UNSPSC | 26101100 |
|--------|----------|

Categories

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

