

PRODUCT-DETAILS

3GAA102560-BSK843

IE3 Premium Efficiency Aluminum Motors, 3 kW, 400 V (3GAA102560-BSK843)



| General Information | |
|----------------------|---|
| Product ID | 3GAA102560-BSK843 |
| ABB Type Designation | M3AA 100LF 4 |
| Catalog Description | IE3 Premium Efficiency Aluminum Motors, 3 kW, 400 V (3GAA102560-BSK843) |

| Ordering | |
|-------------------------|--|
| ABB Type Designation | M3AA 100LF 4 |
| Invoice Description | M3AA 100LF 4 |
| Product Name | 3-Phase squirrel cage motor |
| Product Type | 3AA3_M3AA_IE3_AA |
| Made To Order | No |
| Minimum Order Quantity | 1 piece |
| Order Multiple | 1 piece |
| Selling Unit of Measure | piece |
| Country of Origin | Poland (PL) |
| Customs Tariff Number | 85015220 |
| Stocked At (Warehouses) | Menden, Germany |
| Medium Description | 3kW, 4 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA102560-BSK843) |
| Short Description | 3kW, 4P, Frame Size 100, 3PH, 400V, 50Hz, IP55, IMB5/IM3001 |

| Electrical | | | | | | | | | | | |
|----------------------------------|------------|-------|---------|---------|------------|---------|--------------|------------|-----------|---|--|
| Electrical Data | | | | | | | | | | | |
| Conn | Temp Class | Freq | Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN | |
| Y | -- | 50 Hz | 400 V | 3.00 kW | 1452 r/min | 5.90 A | 0.830 | 87.70 % | 19.70 N·m | 9.00 | |
| D | -- | 50 Hz | 230 V | 3.00 kW | 1452 r/min | 10.20 A | 0.830 | 87.70 % | 19.70 N·m | 9.00 | |
| Y | -- | 50 Hz | 380 V | 3.00 kW | 1447 r/min | 6.20 A | 0.850 | 87.70 % | 19.70 N·m | 8.20 | |
| D | -- | 50 Hz | 220 V | 3.00 kW | 1447 r/min | 10.80 A | 0.850 | 87.70 % | 19.70 N·m | 8.20 | |
| Y | -- | 50 Hz | 415 V | 3.00 kW | 1457 r/min | 5.80 A | 0.810 | 87.70 % | 19.70 N·m | 9.60 | |
| Connection Configuration | | | | | | | | | | Y | |
| Temperature Class Default | | | | | | | | | | -- | |
| Input Voltage (U _{in}) | | | | | | | | | | 400 V | |
| Frequency (f) | | | | | | | | | | 50 Hz | |
| Output Power | | | | | | | | | | 3 kW | |
| Altitude | | | | | | | | | | 1000 m | |
| Ambient Temperature | | | | | | | | | | 40 °C | |
| IC Class | | | | | | | | | | IC411 | |
| IE Class Data (50 Hz) | | | | | | | | | | IE Class IE3 Full Load (100%) 87.7 % Partial Load (75%) 87.9 % Partial Load (50%) 86.4 % | |
| IE Class Data (60 Hz) | | | | | | | | | | IE Class IE3 Full Load (100%) 89.5 % Partial Load (75%) 89.3 % Partial Load (50%) 87.4 % | |
| 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 | | | | | | | | | | 100 | |
| Bearing | | | | | | | | | | 6306-2Z/C3 | |
| Bearing NDE | | | | | | | | | | 6205-2Z/C3 | |
| IM Class | | | | | | | | | | IMB5 IM3001 | |
| Terminator Box Location | | | | | | | | | | D-End top | |
| Dimensions | | | | | | | | | | | |
| Package Level 1 Units | | | | | | | | | | 0 carton | |
| Product Net Depth / | | | | | | | | | | 432 mm | |

| | |
|--------------------|--------|
| Length | |
| Product Net Height | 237 mm |
| Product Net Width | 200 mm |
| Product Net Weight | 36 kg |
| Gross Weight | 41 kg |

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

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| Classifications | |
| UNSPSC | 26101100 |

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| Categories | |
| Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE3 Premium Efficiency Aluminum Motors | |

