



PRODUCT-DETAILS

3GAA132330-APK

IE3 Premium Efficiency Aluminum Motors, 7.5 kW, 230 V (3GAA132330-APK)



| General Information | |
|----------------------|--|
| Product ID | 3GAA132330-APK |
| ABB Type Designation | M3AA 132MC 4 |
| Catalog Description | IE3 Premium Efficiency Aluminum Motors, 7.5 kW, 230 V (3GAA132330-APK) |

| Ordering | |
|-------------------------|---|
| ABB Type Designation | M3AA 132MC 4 |
| Invoice Description | M3AA 132MC 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 | Finland (FI) |
| Customs Tariff Number | 85015220 |
| Medium Description | 7.5kW, 4 Poles, Frame Size 132, 3 Phases, 230V, 60Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA132330-APK) |
| Short Description | 7.5kW, 4P, Frame Size 132, 3PH, 230V, 60Hz, IP55, IMB3/IM1001 |

Electrical

| Electrical Data | | | | | | | | | | |
|----------------------------------|------------|-------|---------|---------|------------|---------|--------------|------------|-----------|---|
| Conn | Temp Class | Freq | Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
| D | -- | 50 Hz | 200 V | 7.50 kW | 1464 r/min | 29.50 A | 0.810 | 90.60 % | 48.90 N·m | 7.70 |
| D | -- | 60 Hz | 230 V | 7.50 kW | 1766 r/min | 26.00 A | 0.790 | 91.70 % | 40.50 N·m | 8.70 |
| Connection Configuration | | | | | | | | | | D |
| Temperature Class Default | | | | | | | | | | -- |
| Input Voltage (U _{in}) | | | | | | | | | | 230 V |
| Frequency (f) | | | | | | | | | | 60 Hz |
| Output Power | | | | | | | | | | 7.5 kW |
| Altitude | | | | | | | | | | 1000 m |
| Ambient Temperature | | | | | | | | | | 40 °C |
| IC Class | | | | | | | | | | IC411 |
| IE Class Data (50 Hz) | | | | | | | | | | IE Class IE3 Full Load (100%) 90.6 % Partial Load (75%) 91.0 % Partial Load (50%) 90.9 % |
| IE Class Data (60 Hz) | | | | | | | | | | IE Class IE3 Full Load (100%) 91.7 % Partial Load (75%) 91.6 % Partial Load (50%) 90.8 % |
| 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 | | | | | | | | | | P |

| | |
|-------------------------|-------------|
| Mechanical | |
| Frame Material | Aluminum |
| Frame Size | 132 |
| Bearing | 6208-2Z/C3 |
| Bearing NDE | 6206-2Z/C3 |
| IM Class | IMB3 IM1001 |
| Terminator Box Location | D-End top |

| | |
|----------------------------|----------|
| Dimensions | |
| Package Level 1 Units | 0 carton |
| Product Net Depth / Length | 431 mm |
| Product Net Height | 260 mm |
| Product Net Width | 222 mm |
| Product Net Weight | 68 kg |
| Gross Weight | 73 kg |

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

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

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

