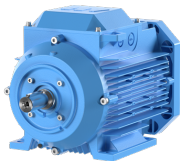




PRODUCT-DETAILS

3GAA114330-ASK

IE3 Premium Efficiency Aluminum Motors, 1.5 kW, 400 V (3GAA114330-ASK)



| General Information | |
|----------------------|--|
| Product ID | 3GAA114330-ASK |
| ABB Type Designation | M3AA 112MC 8 |
| Catalog Description | IE3 Premium Efficiency Aluminum Motors, 1.5 kW, 400 V (3GAA114330-ASK) |

| Ordering | |
|----------------------------|---|
| ABB Type Designation | M3AA 112MC 8 |
| Invoice Description | M3AA 112MC 8 |
| 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) China (CN) Poland (PL) |
| Customs Tariff Number | 85015220 |
| Stocked At (Warehouses) | Menden, Germany |
| Medium Description | 1.5kW, 8 Poles, Frame Size 112, 3 Phases, 400V, 50Hz, IP55 Enclosure, |

| | |
|---------------------------------------|---|
| IMB3/IM1001 Mounting (3GAA114330-ASK) | |
| Short Description | 1.5kW, 8P, Frame Size 112, 3PH, 400V, 50Hz, IP55, IMB3/IM1001 |

Electrical

Electrical Data

| Conn | Temp Class | Freq | Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
|------|------------|-------|---------|---------|-----------|---------|--------------|------------|-----------|-------|
| Y | -- | 50 Hz | 400 V | 1.50 kW | 717 r/min | 4.12 A | 0.620 | 79.70 % | 19.90 N·m | 4.30 |
| D | -- | 50 Hz | 230 V | 1.50 kW | 717 r/min | 7.13 A | 0.620 | 79.70 % | 19.90 N·m | 4.30 |
| Y | -- | 50 Hz | 380 V | 1.50 kW | 712 r/min | 4.17 A | 0.650 | 79.70 % | 20.10 N·m | 4.00 |
| D | -- | 50 Hz | 220 V | 1.50 kW | 712 r/min | 7.22 A | 0.650 | 79.70 % | 20.10 N·m | 4.00 |
| Y | -- | 50 Hz | 415 V | 1.50 kW | 723 r/min | 4.08 A | 0.600 | 79.70 % | 19.80 N·m | 4.50 |
| Y | -- | 60 Hz | 460 V | 1.50 kW | 872 r/min | 3.70 A | 0.580 | 84.00 % | 16.40 N·m | 4.70 |

| | |
|----------------------------------|---|
| Connection Configuration | Y |
| Temperature Class Default | -- |
| Input Voltage (U _{in}) | 400 V |
| Frequency (f) | 50 Hz |
| Output Power | 1.5 kW |
| Altitude | 1000 m |
| Ambient Temperature | 40 °C |
| IC Class | IC411 |
| IE Class Data (50 Hz) | IE Class IE3 Full Load (100%) 79.7 % Partial Load (75%) 79.5 % Partial Load (50%) 77.6 % |
| IE Class Data (60 Hz) | IE Class IE3 Full Load (100%) 84.0 % Partial Load (75%) 83.6 % Partial Load (50%) 81.3 % |
| IP Class | IP55 |
| Insulation Class | ICLF |
| Direction of Rotation | Both sides |
| Number of Poles (High) | 8 |
| Two Speed Motor | No |
| Type of Duty | S1 |
| Voltage Code | S |

Mechanical

| | |
|-------------------------|-------------|
| Frame Material | Aluminum |
| Frame Size | 112 |
| Bearing | 6306-2Z/C3 |
| Bearing NDE | 6205-2Z/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 | 43 kg |
| Gross Weight | 48 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

