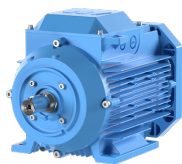


PRODUCT-DETAILS

3GAA111320-ADK338

IE3 Premium Efficiency Aluminum Motors, 4 kW,
400 V (3GAA111320-ADK338)



General Information

| | |
|----------------------|---|
| Product ID | 3GAA111320-ADK338 |
| ABB Type Designation | M3AA 112MB 2 |
| Catalog Description | IE3 Premium Efficiency Aluminum Motors, 4 kW, 400 V (3GAA111320-ADK338) |

Ordering

| | |
|-------------------------|--|
| ABB Type Designation | M3AA 112MB 2 |
| Invoice Description | M3AA 112MB 2 / Ex ec IIC T3 Gc / Ex tc IIIB T125C Dc |
| 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 | Romania (RO) |
| Customs Tariff Number | 85015220 |
| Stocked At (Warehouses) | Menden, Germany |
| Medium Description | 4kW, 2 Poles, Frame Size 112, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA111320-ADK338) |
| Short Description | 4kW, 2P, 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 | 690 V | 4.00 kW | 2888 r/min | 4.10 A | 0.910 | 88.10 % | 13.20 N·m | 8.40 |
| D | -- | 50 Hz | 400 V | 4.00 kW | 2888 r/min | 7.10 A | 0.910 | 88.10 % | 13.20 N·m | 8.40 |
| Y | -- | 50 Hz | 660 V | 4.00 kW | 2874 r/min | 4.30 A | 0.920 | 88.10 % | 13.30 N·m | 7.60 |
| D | -- | 50 Hz | 380 V | 4.00 kW | 2874 r/min | 7.50 A | 0.920 | 88.10 % | 13.30 N·m | 7.60 |
| D | -- | 50 Hz | 415 V | 4.00 kW | 2897 r/min | 6.90 A | 0.900 | 88.10 % | 13.20 N·m | 9.00 |
| D | -- | 60 Hz | 460 V | 4.00 kW | 3500 r/min | 6.20 A | 0.900 | 88.50 % | 10.90 N·m | 10.00 |
| Connection Configuration | | | | | | | | | | D |
| Temperature Class | | | | | | | | | | -- |
| Default | | | | | | | | | | |
| Input Voltage (U _{in}) | | | | | | | | | | 400 V |
| Frequency (f) | | | | | | | | | | 50 Hz |
| Output Power | | | | | | | | | | 4 kW |
| Altitude | | | | | | | | | | 1000 m |
| Ambient Temperature | | | | | | | | | | 40 °C |
| IC Class | | | | | | | | | | IC411 |
| IE Class Data (50 Hz) | | | | | | | | | | IE Class IE3 Full Load (100%) 88.1 % Partial Load (75%) 89.4 % Partial Load (50%) 89.6 % |
| IE Class Data (60 Hz) | | | | | | | | | | IE Class IE3 Full Load (100%) 88.5 % Partial Load (75%) 88.9 % Partial Load (50%) 87.9 % |
| IP Class | | | | | | | | | | IP55 |
| Insulation Class | | | | | | | | | | ICLF |
| Direction of Rotation | | | | | | | | | | Both sides |
| Number of Poles (High) | | | | | | | | | | 2 |
| Two Speed Motor | | | | | | | | | | No |
| Type of Duty | | | | | | | | | | S1 |
| Voltage Code | | | | | | | | | | D |

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 | 38 kg |
| Gross Weight | 43 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 → IE3 Premium Efficiency Aluminum Motors

