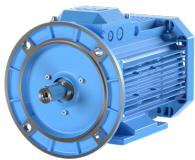




PRODUCT-DETAILS

3GAA101520-HDJ

IE3 Premium Efficiency Aluminum Motors, 3 kW, 400 V (3GAA101520-HDJ)



| General Information | |
|----------------------|--|
| Product ID | 3GAA101520-HDJ |
| ABB Type Designation | M3AA 100LB 2 |
| Catalog Description | IE3 Premium Efficiency Aluminum Motors, 3 kW, 400 V (3GAA101520-HDJ) |

| Ordering | |
|-------------------------|--|
| ABB Type Designation | M3AA 100LB 2 |
| Invoice Description | M3AA 100LB 2 |
| Product Name | 3-Phase squirrel cage motor |
| Product Type | 3AA0_M3AA_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 | 3kW, 2 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA101520-HDJ) |
| Short Description | 3kW, 2P, Frame Size 100, 3PH, 400V, 50Hz, IP55, IMB35/IM2001 |

Electrical

Electrical Data

| Conn | Temp Class | Freq | Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
|------|------------|-------|---------|---------|------------|---------|--------------|------------|----------|-------|
| Y | -- | 50 Hz | 690 V | 3.00 kW | 2896 r/min | 3.10 A | 0.900 | 87.10 % | 9.80 N·m | 8.40 |
| D | -- | 50 Hz | 400 V | 3.00 kW | 2896 r/min | 5.40 A | 0.900 | 87.10 % | 9.80 N·m | 8.40 |
| D | -- | 50 Hz | 415 V | 3.00 kW | 2906 r/min | 5.20 A | 0.900 | 87.10 % | 9.80 N·m | 9.00 |

| | |
|----------------------------------|---|
| Connection Configuration | D |
| 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%) 87.1 % Partial Load (75%) 87.9 % Partial Load (50%) 87.3 % |
| IP Class | IP55 |
| Insulation Class | ICLF |
| Number of Poles (High) | 2 |
| Two Speed Motor | No |
| Type of Duty | S1 |
| Voltage Code | D |

| | |
|----------------|--------------|
| Frame Material | Aluminum |
| Frame Size | 100 |
| Bearing | 6306-2Z/C3 |
| Bearing NDE | 6205-2Z/C3 |
| IM Class | IMB35 IM2001 |

| | |
|----------------------------|----------|
| Package Level 1 Units | 0 carton |
| Product Net Depth / Length | 432 mm |
| Product Net Height | 237 mm |
| Product Net Width | 200 mm |
| Product Net Weight | 31 kg |
| Gross Weight | 36 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 |

