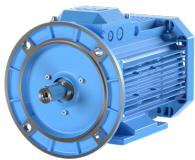




PRODUCT-DETAILS

3GAA091530-HSK

IE3 Premium Efficiency Aluminum Motors, 2.2 kW, 400 V (3GAA091530-HSK)



| General Information | |
|----------------------|--|
| Product ID | 3GAA091530-HSK |
| ABB Type Designation | M3AA 90LC 2 |
| Catalog Description | IE3 Premium Efficiency Aluminum Motors, 2.2 kW, 400 V (3GAA091530-HSK) |

| Ordering | |
|----------------------------|--|
| ABB Type Designation | M3AA 90LC 2 |
| Invoice Description | M3AA 90LC 2 |
| 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) Romania (RO) |
| Customs Tariff Number | 85015220 |
| Stocked At (Warehouses) | Menden, Germany Vittuone, Italy |
| Medium Description | 2.2kW, 2 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure, |

| | |
|--|---|
| IMB35/IM2001 Mounting (3GAA091530-HSK) | |
| Short Description | 2.2kW, 2P, Frame Size 90, 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 | 400 V | 2.20 kW | 2900 r/min | 4.00 A | 0.890 | 85.90 % | 7.20 N·m | 8.30 |
| D | -- | 50 Hz | 230 V | 2.20 kW | 2900 r/min | 7.00 A | 0.890 | 85.90 % | 7.20 N·m | 8.30 |
| Y | -- | 50 Hz | 380 V | 2.20 kW | 2884 r/min | 4.30 A | 0.900 | 85.90 % | 7.20 N·m | 7.50 |
| D | -- | 50 Hz | 220 V | 2.20 kW | 2884 r/min | 7.40 A | 0.900 | 85.90 % | 7.20 N·m | 7.50 |
| Y | -- | 50 Hz | 415 V | 2.20 kW | 2910 r/min | 3.90 A | 0.880 | 85.90 % | 7.20 N·m | 8.90 |
| Y | -- | 60 Hz | 460 V | 2.20 kW | 3517 r/min | 3.50 A | 0.880 | 86.50 % | 5.90 N·m | 9.90 |

| | |
|----------------------------------|---|
| Connection Configuration | Y |
| Temperature Class Default | -- |
| Input Voltage (U _{in}) | 400 V |
| Frequency (f) | 50 Hz |
| Output Power | 2.2 kW |
| Altitude | 1000 m |
| Ambient Temperature | 40 °C |
| IC Class | IC411 |
| IE Class Data (50 Hz) | IE Class IE3 Full Load (100%) 85.9 % Partial Load (75%) 87.1 % Partial Load (50%) 86.9 % |
| IE Class Data (60 Hz) | IE Class IE3 Full Load (100%) 86.5 % Partial Load (75%) 87.1 % Partial Load (50%) 85.8 % |
| 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 | S |

Mechanical

| | |
|-------------------------|--------------|
| Frame Material | Aluminum |
| Frame Size | 90 |
| Bearing | 6205-2Z/C3 |
| Bearing NDE | 6204-2Z/C3 |
| IM Class | IMB35 IM2001 |
| Terminator Box Location | D-End top |

| Dimensions | |
|----------------------------|----------|
| Package Level 1 Units | 0 carton |
| Product Net Depth / Length | 331.5 mm |
| Product Net Height | 217 mm |
| Product Net Width | 170 mm |
| Product Net Weight | 20 kg |
| Gross Weight | 23 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 | |

