

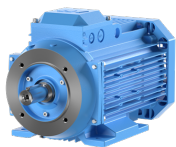


PRODUCT-DETAILS

3GAA092315-JSE

IE2 High Efficiency Aluminum Motors, 1.5 kW,
400 V (3GAA092315-JSE)

"No longer for sale" replaced by 3GAA092540-



General Information

| | |
|----------------------|---|
| Product ID | 3GAA092315-JSE |
| ABB Type Designation | M3AA 90LD 4 |
| Catalog Description | IE2 High Efficiency Aluminum Motors. 1.5 kW, 400 V (3GAA092315-JSE) |

Ordering

| | |
|---------------------------|---|
| ABB Type Designation | M3AA 90LD 4 |
| Invoice Description | M3AA 90LD 4 |
| Product Name | 3-Phase squirrel cage motor |
| Product Type | 3AA2_M3AA_IE2_AA |
| Made To Order | No |
| Minimum Order Quantity | 1 piece |
| Order Multiple | 1 piece |
| Selling Unit of Measure | piece |
| Country of Origin | Poland (PL) Sweden (SE) Romania (RO) |
| Customs Tariff Number | 85015220 |
| Replaced Product ID (OLD) | 3GAA092215-JSE |
| Medium Description | 1.5kW, 4 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB34/IM2101 Mounting (3GAA092315-JSE) |
| Short Description | 1.5kW, 4P, Frame Size 90, 3PH, 400V, 50Hz, IP55, IMB34/IM2101 |

Electrical

Electrical Data

| Conn | Temp Class | Freq | Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
|------|------------|-------|---------|---------|------------|---------|--------------|------------|----------|-------|
| D | -- | 50 Hz | 230 V | 1.50 kW | 1435 r/min | 5.70 A | 0.760 | 84.20 % | 9.90 N·m | 7.00 |
| Y | -- | 50 Hz | 400 V | 1.50 kW | 1435 r/min | 3.30 A | 0.760 | 84.20 % | 9.90 N·m | 7.00 |
| Y | -- | 60 Hz | 460 V | 1.50 kW | 1750 r/min | 3.00 A | 0.720 | 84.90 % | 8.10 N·m | 8.20 |

| | |
|----------------------------------|---|
| 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 IE2 Full Load (100%) 84.2 % Partial Load (75%) 84.1 % Partial Load (50%) 81.9 % |
| IE Class Data (60 Hz) | IE Class IE2 Full Load (100%) 84.9 % |
| 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 | S |

Mechanical

| | |
|-------------------------|--------------|
| Frame Material | Aluminum |
| Frame Size | 90 |
| Bearing | 6205-2Z/C3 |
| Bearing NDE | 6204-2Z/C3 |
| Lubrication | For life |
| IM Class | IMB34 IM2101 |
| 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 | 177 mm |
| Product Net Weight | 16 kg |
| Gross Weight | 16.48 kg |

Environmental

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

Classifications

| | |
|-----------|-------------|
| Standards | IEC 60034-1 |
| UNSPSC | 26101100 |

Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Aluminum Motors

