

PRODUCT-DETAILS

3GAA093520-BSJ

IE3 Premium Efficiency Aluminum Motors, 0.75 kW, 400 V (3GAA093520-BSJ)



| General Information | |
|----------------------|---|
| Product ID | 3GAA093520-BSJ |
| ABB Type Designation | M3AA 90LB 6 |
| Catalog Description | IE3 Premium Efficiency Aluminum Motors, 0.75 kW, 400 V (3GAA093520-BSJ) |

| Ordering | |
|---------------------------|--|
| ABB Type Designation | M3AA 90LB 6 |
| Invoice Description | M3AA 90LB 6 |
| 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 | Romania (RO) Finland (FI) China (CN) |
| Customs Tariff Number | 85015100 |
| Replaced Product ID (OLD) | 3GAA093613-BSJ |
| Stocked At | Sant Quirze del Vallés - BCN, Spain |

| | |
|--------------------|---|
| (Warehouses) | Vittuone, Italy |
| Medium Description | 0.75kW, 6 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA093520-BSJ) |
| Short Description | 0.75kW, 6P, Frame Size 90, 3PH, 400V, 50Hz, IP55, IMB5/IM3001 |

Electrical

Electrical Data

| Conn | Temp Class | Freq | Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
|------|------------|-------|---------|---------|-----------|---------|--------------|------------|----------|-------|
| Y | -- | 50 Hz | 400 V | 0.75 kW | 930 r/min | 2.08 A | 0.680 | 78.90 % | 7.70 N·m | 3.90 |
| D | -- | 50 Hz | 230 V | 0.75 kW | 930 r/min | 3.60 A | 0.680 | 78.90 % | 7.70 N·m | 3.90 |
| Y | -- | 50 Hz | 415 V | 0.75 kW | 936 r/min | 2.07 A | 0.650 | 78.90 % | 7.65 N·m | 4.10 |

| | |
|----------------------------------|---|
| Connection Configuration | Y |
| Temperature Class Default | -- |
| Input Voltage (U _{in}) | 400 V |
| Frequency (f) | 50 Hz |
| Output Power | 0.75 kW |
| Altitude | 1000 m |
| Ambient Temperature | 40 °C |
| IC Class | IC411 |
| IE Class Data (50 Hz) | IE Class IE3 Full Load (100%) 78.9 % Partial Load (75%) 78.9 % Partial Load (50%) 76.7 % |
| IP Class | IP55 |
| Insulation Class | ICLF |
| Direction of Rotation | Both sides |
| Number of Poles (High) | 6 |
| 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 | IMB5 IM3001 |
| 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 | 17 kg |
| Gross Weight | 20 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 | |

