PRODUCT-DETAILS

# 3GAA072311-ASE

# IE2 High Efficiency Aluminum Motors, 0.25 kW, 400 V (3GAA072311-ASE)



## General Information

| | |
|---|---|
| Product ID | 3GAA072311-ASE |
| ABB Type Designation | M3AA 71A 4 |
| Catalog Description | IE2 High Efficiency Aluminum Motors, 0.25 kW, 400 V (3GAA072311-ASE) |

## Ordering

| | |
|---|---|
| ABB Type Designation | M3AA 71A 4 |
| Invoice Description | M3AA 71A 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 | China (CN)<br>Romania (RO) |
| Customs Tariff Number | 85015100 |
| Stocked At (Warehouses) | Menden, Germany<br>Sant Quirze del Vallés - BCN, Spain<br>Shanghai, China |

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Subject to change without notice

| | |
|---|---|
| | Vittuone, Italy |
| Medium Description | 0.25kW, 4 Poles, Frame Size 71, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA072311-ASE) |
| Short Description | 0.25kW, 4P, Frame Size 71, 3PH, 400V, 50Hz, IP55, IMB3/IM1001 |

## Electrical

Electrical Data

| Conn | Temp Class | Network Freq | Network Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
|---|---|---|---|---|---|---|---|---|---|---|
| Y | -- | 50 Hz | 400 V | 0.25 kW | 1430 r/min | 0.76 A | 0.670 | 68.50 % | 1.67 N·m | 4.70 |
| D | -- | 50 Hz | 230 V | 0.25 kW | 1430 r/min | 1.31 A | 0.670 | 68.50 % | 1.67 N·m | 4.70 |
| Y | -- | 60 Hz | 460 V | 0.25 kW | 1743 r/min | 0.70 A | 0.610 | 70.00 % | 1.39 N·m | 5.40 |

| | |
|---|---|
| Connection Configuration | Y |
| Temperature Class Default | -- |
| Input Voltage ($U_{in}$) | 400 V |
| Frequency (f) | 50 Hz |
| Output Power | 0.25 kW |
| Altitude | 1000 m |
| Ambient Temperature | 40 °C |
| IC Class | IC411 |
| IE Class Data (50 Hz) | IE Class IE2<br>Full Load (100%) 68.5 %<br>Partial Load (75%) 66.8 %<br>Partial Load (50%) 59.9 % |
| IE Class Data (60 Hz) | IE Class IE2<br>Full Load (100%) 70.0 %<br>Partial Load (75%) 67.4 %<br>Partial Load (50%) 60.1 % |
| 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 | 71 |
| Bearing | 6203-2Z/C3 |
| Bearing NDE | 6202-2Z/C3 |
| Lubrication | For life |
| IM Class | IMB3 IM1001 |
| Terminator Box Location | Top |

## Dimensions

| | |
|---|---|
| Package Level 1 Units | 0 carton |
| Product Net Depth / Length | 239.5 mm |
| Product Net Height | 180 mm |
| Product Net Width | 136 mm |
| Product Net Weight | 5.2 kg |
| Gross Weight | 8.2 kg |

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## Environmental

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

## External Classifications and Standards

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

## Categories

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





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