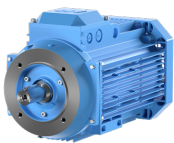




PRODUCT-DETAILS

# 3GAA072312-CSE

## IE2 High Efficiency Aluminum Motors, 0.37 kW, 400 V (3GAA072312-CSE)



| General Information  |  |
|----------------------|--|
| Product ID           | 3GAA072312-CSE   |
| ABB Type Designation | M3AA 71B 4   |
| Catalog Description  | IE2 High Efficiency Aluminum Motors, 0.37 kW, 400 V (3GAA072312-CSE) |

| Ordering                   |  |
|----------------------------|--|
| ABB Type Designation       | M3AA 71B 4   |
| Invoice Description        | M3AA 71B 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)   |
| Customs Tariff Number      | 85015100   |
| Stocked At<br>(Warehouses) | Menden, Germany<br>Sant Quirze del Vallés - BCN, Spain<br>Vittuone, Italy                                    |
| Medium Description         | 0.37kW, 4 Poles, Frame Size 71, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB14/IM3601 Mounting (3GAA072312-CSE) |

Short Description

0.37kW, 4P, Frame Size 71, 3PH, 400V, 50Hz, IP55, IMB14/IM3601

Electrical

Electrical Data

| Conn | Temp Class | Freq  | Voltage | Power   | Speed      | Current | Power Factor | Efficiency | Torque   | IS/IN |
|------|------------|-------|---------|---------|------------|---------|--------------|------------|----------|-------|
| Y    | --         | 50 Hz | 400 V   | 0.37 kW | 1411 r/min | 0.96 A  | 0.740        | 72.70 %    | 2.50 N·m | 5.20  |
| D    | --         | 50 Hz | 230 V   | 0.37 kW | 1411 r/min | 1.65 A  | 0.740        | 72.70 %    | 2.50 N·m | 5.20  |
| Y    | --         | 60 Hz | 460 V   | 0.37 kW | 1725 r/min | 0.86 A  | 0.700        | 72.00 %    | 2.04 N·m | 6.10  |

|                                  |   |
|----------------------------------|---|
| Connection Configuration         | Y   |
| Temperature Class Default        | --  |
| Input Voltage (U <sub>in</sub> ) | 400 V   |
| Frequency (f)                    | 50 Hz   |
| Output Power                     | 0.37 kW   |
| Altitude                         | 1000 m  |
| Ambient Temperature              | 40 °C   |
| IC Class                         | IC411   |
| IE Class Data (50 Hz)            | IE Class IE2<br>Full Load (100%) 72.7 %<br>Partial Load (75%) 73.3 %<br>Partial Load (50%) 69.9 % |
| IE Class Data (60 Hz)            | IE Class IE2<br>Full Load (100%) 72.0 %<br>Partial Load (75%) 71.2 %<br>Partial Load (50%) 66.2 % |
| 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                | IMB14 IM3601 |
| 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 | 5.9 kg |
| Gross Weight       | 8.9 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

