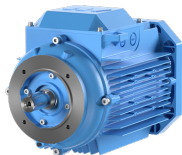


PRODUCT-DETAILS

# 3GAA131130-CSK

## IE3 Premium Efficiency Aluminum Motors, 7.5 kW, 400 V (3GAA131130-CSK)



| General Information  |  |
|----------------------|--|
| Product ID           | 3GAA131130-CSK   |
| ABB Type Designation | M3AA 132SC 2   |
| Catalog Description  | IE3 Premium Efficiency Aluminum Motors, 7.5 kW, 400 V (3GAA131130-CSK) |

| Ordering                |  |
|-------------------------|--|
| ABB Type Designation    | M3AA 132SC 2   |
| Invoice Description     | M3AA 132SC 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)   |
| Customs Tariff Number   | 85015220   |
| Medium Description      | 7.5kW, 2 Poles, Frame Size 132, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB14/IM3601 Mounting (3GAA131130-CSK) |
| Short Description       | 7.5kW, 2P, Frame Size 132, 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   | 7.50 kW | 2909 r/min | 13.10 A | 0.900        | 90.10 %    | 24.60 N·m | 8.30  |
| D    | --         | 50 Hz | 230 V   | 7.50 kW | 2909 r/min | 22.80 A | 0.900        | 90.10 %    | 24.60 N·m | 8.30  |
| Y    | --         | 50 Hz | 380 V   | 7.50 kW | 2893 r/min | 13.90 A | 0.910        | 90.10 %    | 24.60 N·m | 7.40  |
| D    | --         | 50 Hz | 220 V   | 7.50 kW | 2893 r/min | 24.00 A | 0.910        | 90.10 %    | 24.60 N·m | 7.40  |
| Y    | --         | 50 Hz | 415 V   | 7.50 kW | 2917 r/min | 12.70 A | 0.900        | 90.10 %    | 24.60 N·m | 9.00  |
| Y    | --         | 60 Hz | 460 V   | 7.50 kW | 3524 r/min | 11.40 A | 0.900        | 90.20 %    | 20.30 N·m | 9.60  |

|                                  |   |
|----------------------------------|---|
| Connection Configuration         | Y   |
| Temperature Class Default        | --  |
| Input Voltage (U <sub>in</sub> ) | 400 V   |
| Frequency (f)                    | 50 Hz   |
| Output Power                     | 7.5 kW  |
| Altitude                         | 1000 m  |
| Ambient Temperature              | 40 °C   |
| IC Class                         | IC411   |
| IE Class Data (50 Hz)            | IE Class IE3<br>Full Load (100%) 90.1 %<br>Partial Load (75%) 91.1 %<br>Partial Load (50%) 91.2 % |
| IE Class Data (60 Hz)            | IE Class IE3<br>Full Load (100%) 90.2 %<br>Partial Load (75%) 90.7 %<br>Partial Load (50%) 90.0 % |
| 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              | 132          |
| Bearing                 | 6208-2Z/C3   |
| Bearing NDE             | 6206-2Z/C3   |
| IM Class                | IMB14 IM3601 |
| Terminator Box Location | D-End top    |

Dimensions

|                       |          |
|-----------------------|----------|
| Package Level 1 Units | 0 carton |
| Product Net Depth /   | 487 mm   |

|                    |        |
|--------------------|--------|
| Length             |        |
| Product Net Height | 298 mm |
| Product Net Width  | 262 mm |
| Product Net Weight | 63 kg  |
| Gross Weight       | 68 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 |  |

