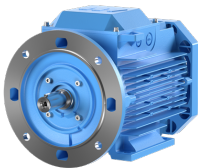


PRODUCT-DETAILS

# 3GAA131120-HPK

## IE3 Premium Efficiency Aluminum Motors, 5.5 kW, 230 V (3GAA131120-HPK)



| General Information  |  |
|----------------------|--|
| Product ID           | 3GAA131120-HPK   |
| ABB Type Designation | M3AA 132SB 2   |
| Catalog Description  | IE3 Premium Efficiency Aluminum Motors, 5.5 kW, 230 V (3GAA131120-HPK) |

| Ordering                |  |
|-------------------------|--|
| ABB Type Designation    | M3AA 132SB 2   |
| Invoice Description     | M3AA 132SB 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      | 5.5kW, 2 Poles, Frame Size 132, 3 Phases, 230V, 60Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA131120-HPK) |
| Short Description       | 5.5kW, 2P, Frame Size 132, 3PH, 230V, 60Hz, IP55, IMB35/IM2001   |

Electrical

| Electrical Data                  |            |       |         |         |            |         |              |            |           |       |   |
|----------------------------------|------------|-------|---------|---------|------------|---------|--------------|------------|-----------|-------|---|
| Conn                             | Temp Class | Freq  | Voltage | Power   | Speed      | Current | Power Factor | Efficiency | Torque    | IS/IN |   |
| D                                | --         | 50 Hz | 200 V   | 5.50 kW | 2901 r/min | 19.50 A | 0.910        | 89.20 %    | 18.10 N·m | 7.90  |   |
| D                                | --         | 60 Hz | 230 V   | 5.50 kW | 3519 r/min | 16.90 A | 0.900        | 89.50 %    | 14.90 N·m | 9.10  |   |
| Connection Configuration         |            |       |         |         |            |         |              |            |           |       | D   |
| Temperature Class Default        |            |       |         |         |            |         |              |            |           |       | --  |
| Input Voltage (U <sub>in</sub> ) |            |       |         |         |            |         |              |            |           |       | 230 V   |
| Frequency (f)                    |            |       |         |         |            |         |              |            |           |       | 60 Hz   |
| Output Power                     |            |       |         |         |            |         |              |            |           |       | 5.5 kW  |
| Altitude                         |            |       |         |         |            |         |              |            |           |       | 1000 m  |
| Ambient Temperature              |            |       |         |         |            |         |              |            |           |       | 40 °C   |
| IC Class                         |            |       |         |         |            |         |              |            |           |       | IC411   |
| IE Class Data (50 Hz)            |            |       |         |         |            |         |              |            |           |       | IE Class IE3<br>Full Load (100%) 89.2 %<br>Partial Load (75%) 89.9 %<br>Partial Load (50%) 90.1 % |
| IE Class Data (60 Hz)            |            |       |         |         |            |         |              |            |           |       | IE Class IE3<br>Full Load (100%) 89.5 %<br>Partial Load (75%) 89.4 %<br>Partial Load (50%) 88.7 % |
| 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                     |            |       |         |         |            |         |              |            |           |       | P   |

|                         |              |
|-------------------------|--------------|
| Mechanical              |              |
| Frame Material          | Aluminum     |
| Frame Size              | 132          |
| Bearing                 | 6208-2Z/C3   |
| Bearing NDE             | 6206-2Z/C3   |
| IM Class                | IMB35 IM2001 |
| Terminator Box Location | D-End top    |

|                            |          |
|----------------------------|----------|
| Dimensions                 |          |
| Package Level 1 Units      | 0 carton |
| Product Net Depth / Length | 431 mm   |
| Product Net Height         | 260 mm   |
| Product Net Width          | 222 mm   |
| Product Net Weight         | 58 kg    |
| Gross Weight               | 63 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 |  |

