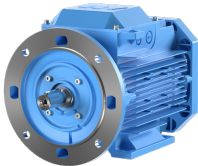


PRODUCT-DETAILS

# 3GAA133100-HSJ

## IE3 Premium Efficiency Aluminum Motors, 3 kW, 400 V (3GAA133100-HSJ)



| General Information  |  |
|----------------------|--|
| Product ID           | 3GAA133100-HSJ   |
| ABB Type Designation | M3AA 132S 6  |
| Catalog Description  | IE3 Premium Efficiency Aluminum Motors, 3 kW, 400 V (3GAA133100-HSJ) |

| Ordering                |  |
|-------------------------|--|
| ABB Type Designation    | M3AA 132S 6  |
| Invoice Description     | M3AA 132S 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       | Finland (FI)   |
| Customs Tariff Number   | 85015220   |
| Medium Description      | 3kW, 6 Poles, Frame Size 132, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA133100-HSJ) |
| Short Description       | 3kW, 6P, Frame Size 132, 3PH, 400V, 50Hz, IP55, IMB35/IM2001   |

Electrical

Electrical Data

| Conn                             | Temp Class | Freq  | Voltage | Power   | Speed     | Current | Power Factor | Efficiency | Torque    | IS/IN   |
|----------------------------------|------------|-------|---------|---------|-----------|---------|--------------|------------|-----------|---|
| Y                                | --         | 50 Hz | 400 V   | 3.00 kW | 972 r/min | 7.40 A  | 0.690        | 85.60 %    | 29.50 N·m | 5.30  |
| D                                | --         | 50 Hz | 230 V   | 3.00 kW | 972 r/min | 12.90 A | 0.690        | 85.60 %    | 29.50 N·m | 5.30  |
| Y                                | --         | 50 Hz | 415 V   | 3.00 kW | 974 r/min | 7.50 A  | 0.660        | 85.60 %    | 29.40 N·m | 5.50  |
| Connection Configuration         |            |       |         |         |           |         |              |            |           | Y   |
| Temperature Class Default        |            |       |         |         |           |         |              |            |           | --  |
| Input Voltage (U <sub>in</sub> ) |            |       |         |         |           |         |              |            |           | 400 V   |
| Frequency (f)                    |            |       |         |         |           |         |              |            |           | 50 Hz   |
| Output Power                     |            |       |         |         |           |         |              |            |           | 3 kW  |
| Altitude                         |            |       |         |         |           |         |              |            |           | 1000 m  |
| Ambient Temperature              |            |       |         |         |           |         |              |            |           | 40 °C   |
| IC Class                         |            |       |         |         |           |         |              |            |           | IC411   |
| IE Class Data (50 Hz)            |            |       |         |         |           |         |              |            |           | IE Class IE3<br>Full Load (100%) 85.6 %<br>Partial Load (75%) 85.2 %<br>Partial Load (50%) 82.8 % |
| 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              | 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 | 487 mm   |
| Product Net Height         | 298 mm   |
| Product Net Width          | 262 mm   |
| Product Net Weight         | 48 kg    |
| Gross Weight               | 53 kg    |

Environmental

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

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**Classifications**

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UNSPSC

26101100

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**Categories**

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Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE3 Premium Efficiency Aluminum Motors

