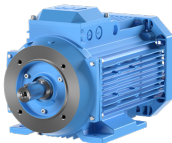




PRODUCT-DETAILS

3GAA103560-CDK843  
(3GAA103560-CDK843)



General Information

|                      |                     |
|----------------------|---------------------|
| Product ID           | 3GAA103560-CDK843   |
| ABB Type Designation | M3AA 100LF 6        |
| Catalog Description  | (3GAA103560-CDK843) |

Ordering

|                         |                             |
|-------------------------|-----------------------------|
| ABB Type Designation    | M3AA 100LF 6                |
| Invoice Description     | M3AA 100LF 6                |
| 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       | Romania (RO)                |
| Customs Tariff Number   | 85015220                    |
| Stocked At (Warehouses) | Menden, Germany             |

Electrical

Electrical Data

| Conn                   | Temp Class | Freq  | Voltage | Power   | Speed     | Current | Power Factor | Efficiency | Torque    | IS/IN   |
|------------------------|------------|-------|---------|---------|-----------|---------|--------------|------------|-----------|---|
| Y                      | --         | 50 Hz | 690 V   | 1.50 kW | 969 r/min | 2.18 A  | 0.650        | 82.50 %    | 14.80 N·m | 7.00  |
| D                      | --         | 50 Hz | 400 V   | 1.50 kW | 969 r/min | 3.77 A  | 0.650        | 82.50 %    | 14.80 N·m | 7.00  |
| Y                      | --         | 50 Hz | 660 V   | 1.50 kW | 966 r/min | 2.18 A  | 0.680        | 82.50 %    | 14.85 N·m | 6.60  |
| D                      | --         | 50 Hz | 380 V   | 1.50 kW | 966 r/min | 3.79 A  | 0.680        | 82.50 %    | 14.85 N·m | 6.60  |
| D                      | --         | 50 Hz | 415 V   | 1.50 kW | 971 r/min | 3.81 A  | 0.620        | 82.50 %    | 14.77 N·m | 7.20  |
| Temperature Class      |            |       |         |         |           |         |              |            |           | --  |
| Default                |            |       |         |         |           |         |              |            |           |   |
| Altitude               |            |       |         |         |           |         |              |            |           | 1000 m  |
| Ambient Temperature    |            |       |         |         |           |         |              |            |           | 40 °C   |
| IC Class               |            |       |         |         |           |         |              |            |           | IC411   |
| IE Class Data (50 Hz)  |            |       |         |         |           |         |              |            |           | IE Class IE3<br>Full Load (100%) 82.5 %<br>Partial Load (75%) 81.0 %<br>Partial Load (50%) 76.5 % |
| IE Class Data (60 Hz)  |            |       |         |         |           |         |              |            |           | IE Class IE3<br>Full Load (100%) 88.5 %<br>Partial Load (75%) 87.1 %<br>Partial Load (50%) 83.7 % |
| 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           |            |       |         |         |           |         |              |            |           | D   |

Mechanical

|                         |              |
|-------------------------|--------------|
| Frame Material          | Aluminum     |
| Frame Size              | 100          |
| Bearing                 | 6306-2Z/C3   |
| Bearing NDE             | 6205-2Z/C3   |
| IM Class                | IMB14 IM3601 |
| Terminator Box Location | D-End top    |

Dimensions

|                       |          |
|-----------------------|----------|
| Package Level 1 Units | 0 carton |
| Product Net Weight    | 35 kg    |
| Gross Weight          | 40 kg    |

Environmental

|               |  |
|---------------|--|
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
|---------------|--|

Classifications

|        |          |
|--------|----------|
| 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

