

PRODUCT-DETAILS

# 3GAA229216-BDG

(3GAA229216-BDG)



| General Information  |                  |
|----------------------|------------------|
| Product ID           | 3GAA229216-BDG   |
| ABB Type Designation | M3AA 225SMA 6/8  |
| Catalog Description  | (3GAA229216-BDG) |

| Ordering                |                             |
|-------------------------|-----------------------------|
| ABB Type Designation    | M3AA 225SMA 6/8             |
| Invoice Description     | M3AA 225SMA 6/8             |
| 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       | Finland (FI)                |
| Customs Tariff Number   | 85015230                    |

| Electrical      |  |
|-----------------|--|
| Electrical Data |  |

| Conn                      | Temp Class | Freq  | Voltage | Power    | Speed     | Current | Power Factor | Efficiency | Torque     | IS/IN  |
|---------------------------|------------|-------|---------|----------|-----------|---------|--------------|------------|------------|--|
| D                         | --         | 50 Hz | 400 V   | 23.00 kW | 990 r/min | 48.10 A | 0.780        | 88.40 %    | 222.00 N·m | 7.40   |
| D                         | --         | 50 Hz | 400 V   | 17.00 kW | 739 r/min | 37.10 A | 0.760        | 86.80 %    | 220.00 N·m | 5.60   |
| Temperature Class Default |            |       |         |          |           |         |              |            |            | --   |
| Altitude                  |            |       |         |          |           |         |              |            |            | 1000 m   |
| Ambient Temperature       |            |       |         |          |           |         |              |            |            | 40 °C  |
| IC Class                  |            |       |         |          |           |         |              |            |            | IC411  |
| IE Class Data (50 Hz)     |            |       |         |          |           |         |              |            |            | IE Class NA<br>Full Load (100%) 86.8 %<br>Partial Load (75%) 88.3 %<br>Partial Load (50%) 87.6 % |
| IP Class                  |            |       |         |          |           |         |              |            |            | IP55   |
| Insulation Class          |            |       |         |          |           |         |              |            |            | ICLF   |
| Direction of Rotation     |            |       |         |          |           |         |              |            |            | Both sides   |
| Number of Poles (High)    |            |       |         |          |           |         |              |            |            | 6  |
| Two Speed Motor           |            |       |         |          |           |         |              |            |            | Yes  |
| Type of Duty              |            |       |         |          |           |         |              |            |            | S1   |
| Voltage Code              |            |       |         |          |           |         |              |            |            | D  |

Mechanical

|                         |             |
|-------------------------|-------------|
| Frame Material          | Aluminum    |
| Frame Size              | 225         |
| Bearing                 | 6313-2Z/C3  |
| Bearing NDE             | 6212-2Z/C3  |
| IM Class                | IMB5 IM3001 |
| Terminator Box Location | D-End top   |

Dimensions

|                       |                 |
|-----------------------|-----------------|
| Package Level 1 Units | 0 pallet (lift) |
| Product Net Weight    | 266 kg          |
| Gross Weight          | 276 kg          |

Environmental

|               |   |
|---------------|---|
| WEEE Category | 4. Large Equipment (Any 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 → IE2 High Efficiency Aluminum Motors

