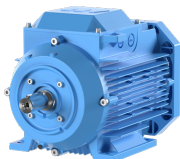


PRODUCT-DETAILS

# 3GAL132223-AUC

## IE5 SynRM Motors, 7.5 kW, 380 V (3GAL132223-AUC)



General Information

|                      |  |
|----------------------|--|
| Product ID           | 3GAL132223-AUC                                   |
| ABB Type Designation | M3AL 132SMB 4                                    |
| Catalog Description  | IE5 SynRM Motors, 7.5 kW, 380 V (3GAL132223-AUC) |

Ordering

|                         |   |
|-------------------------|---|
| ABB Type Designation    | M3AL 132SMB 4   |
| Invoice Description     | M3AL 132SMB 4   |
| Product Name            | 3Phase Synchronous reluctance motor   |
| Product Type            | 3AL4 __M3AL_IE5_SynRM_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, 4 Poles, Frame Size 132, 3 Phases, 380V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAL132223-AUC) |
| Short Description       | 7.5kW, 4P, Frame Size 132, 3PH, 380V, 50Hz, IP55, IMB3/IM1001   |

Electrical

Electrical Data

| Conn                             | Temp Class | Freq  | Voltage | Power   | Speed      | Current | Power Factor | Efficiency | Torque    | IS/IN   |
|----------------------------------|------------|-------|---------|---------|------------|---------|--------------|------------|-----------|---|
| Y                                | --         | 50 Hz | 690 V   | 7.50 kW | 1500 r/min | 9.20 A  | 0.780        | 93.30 %    | 47.75 N·m | 0.00  |
| Connection Configuration         |            |       |         |         |            |         |              |            |           | Y   |
| Temperature Class                |            |       |         |         |            |         |              |            |           | --  |
| Default                          |            |       |         |         |            |         |              |            |           |   |
| Input Voltage (U <sub>in</sub> ) |            |       |         |         |            |         |              |            |           | 380 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 IE5<br>Full Load (100%) 93.3 %<br>Partial Load (75%) 93.5 %<br>Partial Load (50%) 92.7 % |
| IP Class                         |            |       |         |         |            |         |              |            |           | IP55  |
| Insulation Class                 |            |       |         |         |            |         |              |            |           | ICLF  |
| Direction of Rotation            |            |       |         |         |            |         |              |            |           | Both sides  |
| Number of Poles (High)           |            |       |         |         |            |         |              |            |           | 4   |
| Two Speed Motor                  |            |       |         |         |            |         |              |            |           | No  |
| Type of Duty                     |            |       |         |         |            |         |              |            |           | S9  |
| Voltage Code                     |            |       |         |         |            |         |              |            |           | U   |

Mechanical

|                         |             |
|-------------------------|-------------|
| Frame Material          | Aluminum    |
| Frame Size              | 132         |
| Bearing                 | 6308-2Z/C3  |
| Bearing NDE             | 6206-2Z/C3  |
| IM Class                | IMB3 IM1001 |
| Terminator Box Location | D-End top   |

Dimensions

|                            |          |
|----------------------------|----------|
| Package Level 1 Units      | 0 carton |
| Product Net Depth / Length | 550 mm   |
| Product Net Height         | 321 mm   |
| Product Net Width          | 262 mm   |
| Product Net Weight         | 63 kg    |
| Gross Weight               | 68 kg    |

Environmental

|               |   |
|---------------|---|
| WEEE Category | 4. Large Equipment (Any 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 → Synchronous Reluctance Motors → IE5 SynRM Motors

