



PRODUCT-DETAILS

3GAA253210-AEG

IE2 High Efficiency Aluminum Motors, 37 kW, 500 V (3GAA253210-AEG)



| General Information | |
|----------------------|--------------------------------------------------------------------|
| Product ID | 3GAA253210-AEG |
| ABB Type Designation | M3AA 250SMA 6 |
| Catalog Description | IE2 High Efficiency Aluminum Motors, 37 kW, 500 V (3GAA253210-AEG) |

| Ordering | |
|---------------------------|------------------------------------------------------------------------------------------------------------|
| ABB Type Designation | M3AA 250SMA 6 |
| Invoice Description | M3AA 250SMA 6 |
| 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) Poland (PL) |
| Customs Tariff Number | 85015230 |
| Replaced Product ID (OLD) | 3GAA253031-AEG |
| Medium Description | 37kW, 6 Poles, Frame Size 250, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA253210-AEG) |

Short Description

37kW, 6P, Frame Size 250, 3PH, 500V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

| Conn | Temp Class | Freq | Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
|------|------------|-------|---------|----------|------------|---------|--------------|------------|------------|-------|
| D | -- | 50 Hz | 500 V | 37.00 kW | 989 r/min | 56.80 A | 0.820 | 93.10 % | 357.00 N·m | 6.80 |
| D | -- | 60 Hz | 575 V | 37.00 kW | 1191 r/min | 49.80 A | 0.810 | 93.60 % | 296.00 N·m | 7.60 |

| | |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| Connection Configuration | D |
| Temperature Class Default | -- |
| Input Voltage (U _{in}) | 500 V |
| Frequency (f) | 50 Hz |
| Output Power | 37 kW |
| Altitude | 1000 m |
| Ambient Temperature | 40 °C |
| IC Class | IC411 |
| IE Class Data (50 Hz) | IE Class IE2 Full Load (100%) 93.1 % Partial Load (75%) 93.8 % Partial Load (50%) 93.4 % |
| IE Class Data (60 Hz) | IE Class IE2 Full Load (100%) 93.6 % Partial Load (75%) 93.8 % Partial Load (50%) 93.1 % |
| 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 | E |

Mechanical

| | |
|-------------------------|-------------|
| Frame Material | Aluminum |
| Frame Size | 250 |
| Bearing | 6315-2Z/C3 |
| Bearing NDE | 6213-2Z/C3 |
| IM Class | IMB3 IM1001 |
| Terminator Box Location | D-End top |

Dimensions

| | |
|----------------------------|-----------------|
| Package Level 1 Units | 0 pallet (lift) |
| Product Net Depth / Length | 884 mm |
| Product Net Height | 595 mm |
| Product Net Width | 473 mm |
| Product Net Weight | 294 kg |

Gross Weight 304 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

