



PRODUCT-DETAILS

3GAA161300-ADE

IE2 High Efficiency Aluminum Motors, 15 kW, 400 V (3GAA161300-ADE)



| General Information | |
|----------------------|--|
| Product ID | 3GAA161300-ADE |
| ABB Type Designation | M3AA 160M 2 |
| Catalog Description | IE2 High Efficiency Aluminum Motors, 15 kW, 400 V (3GAA161300-ADE) |

| Ordering | |
|---------------------------|--|
| ABB Type Designation | M3AA 160M 2 |
| Invoice Description | M3AA 160M 2 |
| 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) | 3GAA161313-ADE |
| Medium Description | 15kW, 2 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA161300-ADE) |

Short Description

15kW, 2P, Frame Size 160, 3PH, 400V, 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 | 15.00 kW | 2905 r/min | 15.80 A | 0.840 | 90.40 % | 49.30 N·m | 9.10 |
| D | -- | 50 Hz | 400 V | 15.00 kW | 2905 r/min | 28.50 A | 0.840 | 90.40 % | 49.30 N·m | 9.10 |
| D | -- | 60 Hz | 460 V | 15.00 kW | 3510 r/min | 23.60 A | 0.890 | 90.70 % | 40.70 N·m | 9.50 |

| | |
|----------------------------------|---|
| Connection Configuration | D |
| Temperature Class Default | -- |
| Input Voltage (U _{in}) | 400 V |
| Frequency (f) | 50 Hz |
| Output Power | 15 kW |
| Altitude | 1000 m |
| Ambient Temperature | 40 °C |
| IC Class | IC411 |
| IE Class Data (50 Hz) | IE Class IE2 Full Load (100%) 90.4 % Partial Load (75%) 90.8 % Partial Load (50%) 90.0 % |
| IE Class Data (60 Hz) | IE Class IE2 Full Load (100%) 90.7 % Partial Load (75%) 90.4 % Partial Load (50%) 88.8 % |
| IP Class | IP55 |
| Insulation Class | ICLF |
| Direction of Rotation | Both sides |
| Number of Poles (High) | 2 |
| Two Speed Motor | No |
| Type of Duty | S1 |
| Voltage Code | D |

Mechanical

| | |
|-------------------------|-------------|
| Frame Material | Aluminum |
| Frame Size | 160 |
| Bearing | 6309-2Z/C3 |
| Bearing NDE | 6206-2Z/C3 |
| IM Class | IMB3 IM1001 |
| Terminator Box Location | D-End top |

Dimensions

| | |
|----------------------------|-----------------|
| Package Level 1 Units | 0 pallet (lift) |
| Product Net Depth / Length | 597 mm |
| Product Net Height | 349 mm |

| | |
|--------------------|--------|
| Product Net Width | 310 mm |
| Product Net Weight | 83 kg |
| Gross Weight | 93 kg |

Environmental

| | |
|---------------|---|
| WEEE Category | 4. Large Equipment (Any External Dimension More Than 50 cm) |
| SCIP | 27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI) |

Classifications

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|--------|----------|
| UNSPSC | 26101100 |
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Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Aluminum Motors

