
PRODUCT-DETAILS

3GBA161410-ADF

IE3 Premium Efficiency Cast Iron Motor 11 kW, 400 V (3GBA161410-ADF)



General Information

| | |
|----------------------|--|
| Product ID | 3GBA161410-ADF |
| ABB Type Designation | M2BAX 160MLA 2 |
| Catalog Description | IE3 Premium Efficiency Cast Iron Motor 11 kW, 400 V (3GBA161410-ADF) |

Ordering

| | |
|----------------------------|-----------------------------|
| ABB Type Designation | M2BAX 160MLA 2 |
| Invoice Description | M2BAX 160MLA 2 |
| Product Name | 3-Phase squirrel cage motor |
| Product Type | EBA3_M2BAX_CI |
| Made To Order | No |
| Minimum Order Quantity | 1 piece |
| Order Multiple | 1 piece |
| Selling Unit of Measure | piece |
| Country of Origin | China (CN) Poland (PL) |
| Customs Tariff Number | 85015230 |
| 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 | 11.00 kW | 2943 r/min | 11.10 A | 0.910 | 91.20 % | 35.57 N-m | 7.20 |
| D | -- | 50 Hz | 400 V | 11.00 kW | 2943 r/min | 19.10 A | 0.910 | 91.20 % | 35.57 N-m | 7.20 |
| Y | -- | 50 Hz | 660 V | 11.00 kW | 2933 r/min | 11.50 A | 0.920 | 91.20 % | 35.65 N-m | 6.50 |
| D | -- | 50 Hz | 380 V | 11.00 kW | 2933 r/min | 20.10 A | 0.920 | 91.20 % | 35.65 N-m | 6.50 |

| | |
|----------------------------------|---|
| Connection Configuration | D |
| Temperature Class Default | -- |
| Input Voltage (U _{in}) | 400 V |
| Frequency (f) | 50 Hz |
| Output Power | 11 kW |
| Altitude | 1000 m |
| Ambient Temperature | 40 °C |
| IC Class | IC411 |
| IE Class Data (50 Hz) | IE Class IE3 Full Load (100%) 91.2 % Partial Load (75%) 92.0 % Partial Load (50%) 91.6 % |
| IE Class Data (60 Hz) | IE Class IE3 Full Load (100%) 91.0 % Partial Load (75%) 91.1 % Partial Load (50%) 89.9 % |
| 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 | Cast Iron |
| Frame Size | 160 |
| Bearing | 6209-2Z/C3 |
| Bearing NDE | 6209-2Z/C3 |
| IM Class | IMB3 IM1001 |
| Terminator Box Location | D-End top |

Dimensions

| | |
|----------------------------|-----------------|
| Package Level 1 Units | 0 pallet (lift) |
| Product Net Depth / Length | 586.5 mm |
| Product Net Height | 413 mm |
| Product Net Width | 310 mm |
| Product Net Weight | 121 kg |
| Gross Weight | 131 kg |

Environmental

| | |
|---------------|---|
| WEEE Category | 4. Large Equipment (Any External Dimension More Than 50 cm) |
| SCIP | d19446d4-4db6-4ddb-826d-2341a0f7dd46 Finland (FI) |

Classifications

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

Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE3 Premium Efficiency Cast Iron Motors

