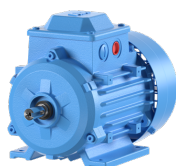


PRODUCT-DETAILS

# 3GBA081340-ASD

## IE3 Premium Efficiency Cast Iron Motor 1.1 kW, 400 V (3GBA081340-ASD)




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### General Information

|                      |   |
|----------------------|---|
| Product ID           | 3GBA081340-ASD  |
| ABB Type Designation | M2BAX 80MD 2  |
| Catalog Description  | IE3 Premium Efficiency Cast Iron Motor 1.1 kW, 400 V (3GBA081340-ASD) |

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### Ordering

|                         |                                    |
|-------------------------|------------------------------------|
| ABB Type Designation    | M2BAX 80MD 2                       |
| Invoice Description     | M2BAX 80MD 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)                         |
| Customs Tariff Number   | 85015220                           |
| Stocked At (Warehouses) | Menden, Germany<br>Shanghai, China |

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### Electrical

Electrical Data

| Conn | Temp Class | Freq  | Voltage | Power   | Speed      | Current | Power Factor | Efficiency | Torque   | IS/IN |
|------|------------|-------|---------|---------|------------|---------|--------------|------------|----------|-------|
| Y    | --         | 50 Hz | 400 V   | 1.10 kW | 2860 r/min | 2.29 A  | 0.840        | 82.70 %    | 3.70 N·m | 7.60  |
| D    | --         | 50 Hz | 230 V   | 1.10 kW | 2860 r/min | 3.97 A  | 0.840        | 82.70 %    | 3.70 N·m | 7.60  |
| Y    | --         | 50 Hz | 380 V   | 1.10 kW | 2839 r/min | 2.37 A  | 0.860        | 82.70 %    | 3.70 N·m | 7.10  |
| D    | --         | 50 Hz | 220 V   | 1.10 kW | 2839 r/min | 4.10 A  | 0.860        | 82.70 %    | 3.70 N·m | 7.10  |

|                                  |   |
|----------------------------------|---|
| Connection Configuration         | Y   |
| Temperature Class Default        | --  |
| Input Voltage (U <sub>in</sub> ) | 400 V   |
| Frequency (f)                    | 50 Hz   |
| Output Power                     | 1.1 kW  |
| Altitude                         | 1000 m  |
| Ambient Temperature              | 40 °C   |
| IC Class                         | IC411   |
| IE Class Data (50 Hz)            | IE Class IE3<br>Full Load (100%) 82.7 %<br>Partial Load (75%) 83.3 %<br>Partial Load (50%) 82.6 % |
| IE Class Data (60 Hz)            | IE Class IE3<br>Full Load (100%) 84.0 %<br>Partial Load (75%) 84.2 %<br>Partial Load (50%) 82.5 % |
| 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                     | S   |

## Mechanical

|                         |             |
|-------------------------|-------------|
| Frame Material          | Cast Iron   |
| Frame Size              | 80          |
| Bearing                 | 6204-2Z/C3  |
| Bearing NDE             | 6203-2Z/C3  |
| IM Class                | IMB3 IM1001 |
| Terminator Box Location | D-End top   |

## Dimensions

|                            |          |
|----------------------------|----------|
| Package Level 1 Units      | 0 carton |
| Product Net Depth / Length | 309 mm   |
| Product Net Height         | 192 mm   |
| Product Net Width          | 154 mm   |
| Product Net Weight         | 17 kg    |
| Gross Weight               | 20 kg    |

## Environmental

|               |  |
|---------------|--|
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| SCIP          | d19446d4-4db6-4ddb-826d-2341a0f7dd46 Finland (FI)          |

## Classifications

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

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

