



## PRODUCT-DETAILS

## 3GBP182430-BDM

### IE4 Super Premium Efficiency Cast Iron Motors, 22 kW, 400 V (3GBP182430-BDM)



#### General Information

Product ID:	3GBP182430-BDM
ABB Type Designation:	M3BP 180MLC 4
Catalog Description:	IE4 Super Premium Efficiency Cast Iron Motors, 22 kW, 400 V (3GBP182430-BDM)
Display Name:	3GBP182430-BDM

#### Ordering

ABB Type Designation:	M3BP 180MLC 4
Invoice Description:	M3BP 180MLC 4
Product Name:	3-Phase squirrel cage motor
Product Type:	3BP4__M3BP_IE4_CI
Country of Origin:	Finland China Poland
Customs Tariff Number:	85015230
Stocked At (Warehouses):	Menden, Germany

**Medium Description:** 22kW, 4 Poles, Frame Size 180, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBP182430-BDM)

**Short Description:** 22kW, 4P, Frame Size 180, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

### Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	22.00 kW	1479 r/min	23.60 A	0.810	94.50 %	142.00 N-m	9.40
D	--	50 Hz	400 V	22.00 kW	1479 r/min	40.70 A	0.810	94.50 %	142.00 N-m	9.40
D	--	50 Hz	415 V	22.00 kW	1486 r/min	40.20 A	0.790	94.50 %	141.00 N-m	9.80
D	--	60 Hz	460 V	22.00 kW	1787 r/min	35.90 A	0.820	94.50 %	118.00 N-m	10.70

**Connection Configuration:** D

**Temperature Class Default:** --

**Input Voltage (U<sub>in</sub>):** 400 V

**Frequency (f):** 50 Hz

**Output Power:** 22 kW

**Altitude:** 1000 m

**Ambient Temperature:** 40 °C

**IC Class:** IC411

**IE Class Data (50 Hz):**  
 IE Class IE4  
 Full Load (100%) 94.5 %  
 Partial Load (75%) 94.4 %  
 Partial Load (50%) 93.7 %

**IE Class Data (60 Hz):**  
 IE Class IE4  
 Full Load (100%) 94.5 %  
 Partial Load (75%) 94.5 %  
 Partial Load (50%) 93.8 %

**IP Class:** IP55

**Insulation Class:** ICLF

**Direction of Rotation:** Both sides

**Number of Poles (High):** 4

**Two Speed Motor:** No

**Type of Duty:** S1

**Voltage Code:** D

### Mechanical

**Frame Material:** Cast Iron

**Frame Size:** 180

**Bearing:** 6310/C3

**Bearing NDE:** 6209/C3

**IM Class:** IMB5 IM3001

Terminator Box Location: D-End top

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## Dimensions

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Product Net Depth / Length: 726 mm

Product Net Height: 461 mm

Product Net Width: 340 mm

Product Net Weight: 246.6 kg

Gross Weight: 256.6 kg

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## Environmental

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WEEE Category: 4. Large Equipment (Any External Dimension More Than 50 cm)

SCIP: 54c45c7b-7581-40ab-b615-c1dcb277d8a7 Finland

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## External Classifications and Standards

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UNSPSC: 26101100

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## Categories

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Products > Motors and Generators > IEC Low Voltage AC Motors > Process Performance Motors > IE4 Super Premium Efficiency Cast Iron Motors

