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 PRODUCT-DETAILS

## 3GBP181410-AEM

### IE4 Super Premium Efficiency Cast Iron Motors, 22 kW, 500 V (3GBP181410-AEM)




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**General Information**

Product ID	3GBP181410-AEM
ABB Type Designation	M3BP 180MLA 2
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors. 22 kW. 500 V (3GBP181410-AEM)

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**Ordering**

ABB Type Designation	M3BP 180MLA 2
Invoice Description	M3BP 180MLA 2
Product Name	3-Phase squirrel cage motor
Product Type	3BP4__M3BP_IE4_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI) China (CN) Poland (PL)
Customs Tariff Number	85015230
Stocked At (Warehouses)	Menden, Germany
Medium Description	22kW, 2 Poles, Frame Size 180, 3 Phases, 500V, 50Hz, IP55 Enclosure,

IMB3/IM1001 Mounting (3GBP181410-AEM)

Short Description 22kW, 2P, Frame Size 180, 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	22.00 kW	2960 r/min	30.50 A	0.880	94.00 %	70.92 N·m	8.50
D	--	60 Hz	575 V	22.00 kW	3564 r/min	27.00 A	0.870	93.00 %	59.30 N·m	9.50

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	500 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%) 94.0 % Partial Load (75%) 94.3 % Partial Load (50%) 94.1 %
IE Class Data (60 Hz)	IE Class IE4 Full Load (100%) 93.0 % Partial Load (75%) 93.0 % Partial Load (50%) 91.9 %
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	E

## Mechanical

Frame Material	Cast Iron
Frame Size	180
Bearing	6310/C3
Bearing NDE	6209/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

## Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	726 mm
Product Net Height	461 mm
Product Net Width	340 mm
Product Net Weight	224 kg
Gross Weight	234 kg

## Environmental

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

54c45c7b-7581-40ab-b615-c1dcb277d8a7 Finland (FI)

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## Classifications

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UNSPSC

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## Categories

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

