



## PRODUCT-DETAILS

## 3GBP352430-ADM

### IE4 Super Premium Efficiency Cast Iron Motors, 450 kW, 400 V (3GBP352430-ADM)



#### General Information

Product ID:	3GBP352430-ADM
ABB Type Designation:	M3BP 355MLC 4
Catalog Description:	IE4 Super Premium Efficiency Cast Iron Motors, 450 kW, 400 V (3GBP352430-ADM)
Display Name:	3GBP352430-ADM

#### Ordering

ABB Type Designation:	M3BP 355MLC 4
Invoice Description:	M3BP 355MLC 4
Product Name:	3-Phase squirrel cage motor
Product Type:	3BP4__M3BP_IE4_CI
Country of Origin:	Finland China Poland
Customs Tariff Number:	85015394

**Medium Description:** 450kW, 4 Poles, Frame Size 355, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP352430-ADM)

**Short Description:** 450kW, 4P, Frame Size 355, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

## Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	450.00 kW	1489 r/min	452.00 A	0.860	96.70 %	2886.00 N-m	6.80
D	--	50 Hz	400 V	450.00 kW	1489 r/min	779.00 A	0.860	96.70 %	2886.00 N-m	6.80
D	--	50 Hz	415 V	450.00 kW	1490 r/min	760.00 A	0.850	96.70 %	2886.00 N-m	7.20
D	--	60 Hz	460 V	450.00 kW	1791 r/min	685.00 A	0.850	96.80 %	2399.00 N-m	8.20

**Connection Configuration:** D

**Temperature Class Default:** --

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

**Frequency (f):** 50 Hz

**Output Power:** 450 kW

**Altitude:** 1000 m

**Ambient Temperature:** 40 °C

**IC Class:** IC411

**IE Class Data (50 Hz):**  
IE Class IE4  
Full Load (100%) 96.7 %  
Partial Load (75%) 96.8 %  
Partial Load (50%) 96.5 %

**IE Class Data (60 Hz):**  
IE Class IE4  
Full Load (100%) 96.8 %  
Partial Load (75%) 96.8 %  
Partial Load (50%) 96.2 %

**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:** 355

**Bearing:** 6322/C3

<b>Bearing NDE:</b>	6316/C3
<b>IM Class:</b>	IMB3 IM1001
<b>Terminator Box Location:</b>	Top

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## Dimensions

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<b>Product Net Depth / Length:</b>	1584 mm
<b>Product Net Height:</b>	843 mm
<b>Product Net Width:</b>	700 mm
<b>Product Net Weight:</b>	2140 kg
<b>Gross Weight:</b>	2170 kg

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## Environmental

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<b>WEEE Category:</b>	4. Large Equipment (Any External Dimension More Than 50 cm)
<b>SCIP:</b>	54c45c7b-7581-40ab-b615-c1dcb277d8a7 Finland

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## External Classifications and Standards

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<b>UNSPSC:</b>	26101100
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## Categories

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

