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 PRODUCT-DETAILS

# 3GBP352430-AEM

## IE4 Super Premium Efficiency Cast Iron Motors, 450 kW, 500 V (3GBP352430-AEM)




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**General Information**

Product ID	3GBP352430-AEM
ABB Type Designation	M3BP 355MLC 4
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors, 450 kW, 500 V (3GBP352430-AEM)

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**Ordering**

ABB Type Designation	M3BP 355MLC 4
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) Poland (PL)
Customs Tariff Number	85015394
Medium Description	450kW, 4 Poles, Frame Size 355, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP352430-AEM)
Short Description	450kW, 4P, Frame Size 355, 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	450.00 kW	1489 r/min	623.00 A	0.860	96.70 %	2886.00 N-m	6.80
D	--	60 Hz	575 V	450.00 kW	1790 r/min	542.00 A	0.860	96.80 %	2400.00 N-m	7.60

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	500 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%) 96.7 % Partial Load (50%) 96.3 %
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	E

## Mechanical

Frame Material	Cast Iron
Frame Size	355
Bearing	6322/C3
Bearing NDE	6316/C3
IM Class	IMB3 IM1001
Terminator Box Location	Top

## Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1584 mm
Product Net Height	843 mm
Product Net Width	700 mm
Product Net Weight	2140 kg
Gross Weight	0 kg

## Environmental

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

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## Classifications

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UNSPSC

26101100

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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

