



## PRODUCT-DETAILS

## 3GBA352210-AEM

### IE3 Premium Efficiency Cast Iron Motors, 250 kW, 500 V (3GBA352210-AEM)



#### General Information

Product ID	3GBA352210-AEM
ABB Type Designation	M2BAX 355SMA 4
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 250 kW, 500 V (3GBA352210-AEM)

#### Ordering

ABB Type Designation	M2BAX 355SMA 4
Invoice Description	M2BAX 355SMA 4
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) Poland (PL)
Customs Tariff Number	85015381
Medium Description	250kW, 4 Poles, Frame Size 355, 3 Phases, 500V, 50Hz, IP55 Enclosure,

IMB3/IM1001 Mounting (3GBA352210-AEM)

Short Description 250kW, 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	250.00 kW	1491 r/min	353.00 A	0.860	96.10 %	1601.00 N-m	6.40
D	--	60 Hz	575 V	250.00 kW	1792 r/min	307.00 A	0.850	96.20 %	1333.00 N-m	7.30

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	500 V
Frequency (f)	50 Hz
Output Power	250 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 96.1 % Partial Load (75%) 96.1 % Partial Load (50%) 95.6 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 96.2 % Partial Load (75%) 95.9 % Partial Load (50%) 95.2 %
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	E

## Mechanical

Frame Material	Cast Iron
Frame Size	355
Bearing	6222/C3
Bearing NDE	6219/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

## Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1469 mm
Product Net Height	933 mm
Product Net Width	700 mm

Product Net Weight	1445 kg
Gross Weight	1469 kg

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### Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP	d19446d4-4db6-4ddb-826d-2341a0f7dd46 Finland (FI)

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### Classifications

UNSPSC	26101100
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### Categories

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

