

PRODUCT-DETAILS

3GBA222220-ADC

IE2 High Efficiency Cast Iron Motors, 45 kW, 400 V (3GBA222220-ADC)



General Information

Product ID	3GBA222220-ADC
ABB Type Designation	M2BAX 225SMB 4
Catalog Description	IE2 High Efficiency Cast Iron Motors, 45 kW, 400 V (3GBA222220-ADC)

Ordering

ABB Type Designation	M2BAX 225SMB 4
Invoice Description	M2BAX 225SMB 4
Product Name	3-Phase squirrel cage motor
Product Type	EBA2__M2BAX_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Poland (PL) China (CN)
Customs Tariff Number	85015290
Stocked At (Warehouses)	Menden, Germany Shanghai, China
Medium Description	45kW, 4 Poles, Frame Size 225, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA222220-ADC)

Short Description

45kW, 4P, Frame Size 225, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	45.00 kW	1481 r/min	50.60 A	0.800	93.10 %	290.40 N-m	7.90
D	--	50 Hz	400 V	45.00 kW	1481 r/min	87.20 A	0.800	93.10 %	290.40 N-m	7.90
Y	--	50 Hz	660 V	45.00 kW	1480 r/min	50.70 A	0.830	93.10 %	291.00 N-m	7.50
D	--	50 Hz	380 V	45.00 kW	1480 r/min	88.00 A	0.830	93.10 %	291.00 N-m	7.50
D	--	60 Hz	440 V	45.00 kW	1785 r/min	80.20 A	0.780	93.60 %	241.37 N-m	9.40
D	--	60 Hz	460 V	45.00 kW	1786 r/min	78.40 A	0.770	93.60 %	241.13 N-m	10.00

Connection Configuration

D

Temperature Class Default

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Input Voltage (U_{in})

400 V

Frequency (f)

50 Hz

Output Power

45 kW

Altitude

1000 m

Ambient Temperature

40 °C

IC Class

IC411

IE Class Data (50 Hz)

 IE Class IE2
 Full Load (100%) 93.1 %
 Partial Load (75%) 92.9 %
 Partial Load (50%) 92.3 %

IE Class Data (60 Hz)

 IE Class IE2
 Full Load (100%) 93.6 %
 Partial Load (75%) 93.0 %
 Partial Load (50%) 91.5 %

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

225

Bearing

6213-2Z/C3

Bearing NDE

6210-2Z/C3

Lubrication

For life

IM Class

IMB3 IM1001

Terminator Box Location

D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	854 mm
Product Net Height	544 mm
Product Net Width	435 mm
Product Net Weight	292 kg
Gross Weight	302 kg

Environmental

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

Classifications

Standards	IEC 60034-1
UNSPSC	26101100

Categories

Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE2 High Efficiency Cast Iron Motors

