



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)
Display Name:	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
Country or Territory of Origin:	Poland China
Customs Tariff Number:	85015290
Stocked At (Warehouses):	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

Conn	Temp Class	Network Freq	Network 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 %	290.00 N-m	7.90
D	--	50 Hz	400 V	45.00 kW	1481 r/min	87.20 A	0.800	93.10 %	290.00 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 %	241.00 N-m	9.40
D	--	60 Hz	460 V	45.00 kW	1786 r/min	78.40 A	0.770	93.60 %	241.00 N-m	10.00

Connection Configuration:	D
Temperature Class Default:	--
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

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

External Classifications and Standards

Standards:	IEC 60034-1
UNSPSC:	26101100

Categories

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

