



 PRODUCT-DETAILS

3GBA221210-ADF

IE3 Premium Efficiency Cast Iron Motors, 45 kW, 400 V (3GBA221210-ADF)



General Information

Product ID	3GBA221210-ADF
ABB Type Designation	M2BAX 225SMA 2
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 45 kW, 400 V (3GBA221210-ADF)

Ordering

ABB Type Designation	M2BAX 225SMA 2
Invoice Description	M2BAX 225SMA 2
Product Name	3-Phase squirrel cage motor
Product Type	EBA3_M2BAX_CI
Country or Territory of Origin	China Poland
Customs Tariff Number	85015290
Stocked At (Warehouses)	Menden, Germany Sant Quirze del Vallés - BCN, Spain Vittuone, Italy
Medium Description	45kW, 2 Poles, Frame Size 225, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA221210-ADF)
Short Description	45kW, 2P, Frame Size 225, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	45.00 kW	2960 r/min	45.50 A	0.880	94.00 %	145.00 N-m	8.90
D	--	50 Hz	400 V	45.00 kW	2960 r/min	78.50 A	0.880	94.00 %	145.00 N-m	8.90
Y	--	50 Hz	660 V	45.00 kW	2956 r/min	47.10 A	0.900	94.00 %	145.00 N-m	8.10
D	--	50 Hz	380 V	45.00 kW	2956 r/min	80.80 A	0.900	94.00 %	145.00 N-m	8.10

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 IE3 Full Load (100%) 94.0 % Partial Load (75%) 94.5 % Partial Load (50%) 94.6 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 93.6 % Partial Load (75%) 93.7 % Partial Load (50%) 93.4 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	2
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
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Product Net Depth / Length	882 mm
Product Net Height	585 mm
Product Net Width	480 mm

Product Net Weight	278 kg
Gross Weight	288 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

UNSPSC	26101100
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Categories

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

