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

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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

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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

Categories

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





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