



PRODUCT-DETAILS

3GBA251210-ADC
IE2 High Efficiency Cast Iron Motors, 55 kW, 400 V (3GBA251210-ADC)



General Information

Product ID	3GBA251210-ADC
ABB Type Designation	M2BAX 250SMA 2
Catalog Description	IE2 High Efficiency Cast Iron Motors, 55 kW, 400 V (3GBA251210-ADC)

Ordering

ABB Type Designation	M2BAX 250SMA 2
Invoice Description	M2BAX 250SMA 2
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	China (CN) Poland (PL)
Customs Tariff Number	85015290
Stocked At (Warehouses)	Menden, Germany Shanghai, China

Medium Description	55kW, 2 Poles, Frame Size 250, 3 Phases, 400V, 50Hz, IP55 Enclosure,
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IMB3/IM1001 Mounting (3GBA251210-ADC)

Short Description55kW, 2P, Frame Size 250, 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	55.00 kW	2965 r/min	56.80 A	0.870	93.20 %	177.10 N·m	7.40
D	--	50 Hz	400 V	55.00 kW	2965 r/min	97.90 A	0.870	93.20 %	177.10 N·m	7.40
Y	--	50 Hz	660 V	55.00 kW	2958 r/min	58.00 A	0.890	93.20 %	177.10 N·m	7.40
D	--	50 Hz	380 V	55.00 kW	2958 r/min	101.00 A	0.890	93.20 %	177.10 N·m	7.40
D	--	60 Hz	440 V	55.00 kW	3562 r/min	85.30 A	0.910	93.00 %	147.24 N·m	8.80
D	--	60 Hz	460 V	55.00 kW	3565 r/min	84.30 A	0.880	93.00 %	147.12 N·m	9.40
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U _{in})										400 V
Frequency (f)										50 Hz
Output Power										55 kW
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 93.2 % Partial Load (75%) 93.2 % Partial Load (50%) 92.5 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 93.0 % Partial Load (75%) 92.7 % Partial Load (50%) 91.6 %
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	250
Bearing	6215-2Z/C3
Bearing NDE	6212-2Z/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	882 mm

Product Net Height	584 mm
Product Net Width	480 mm
Product Net Weight	335 kg
Gross Weight	345 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

