

PRODUCT-DETAILS

# 3GBA161410-ADC

## IE2 High Efficiency Cast Iron Motors, 11 kW, 400 V (3GBA161410-ADC)



### General Information

Product ID	3GBA161410-ADC
ABB Type Designation	M2BAX 160MLA 2
Catalog Description	IE2 High Efficiency Cast Iron Motors, 11 kW, 400 V (3GBA161410-ADC)

### Ordering

ABB Type Designation	M2BAX 160MLA 2
Invoice Description	M2BAX 160MLA 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	Poland (PL) China (CN)
Customs Tariff Number	85015230
Stocked At (Warehouses)	Menden, Germany Shanghai, China
Medium Description	11kW, 2 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA161410-ADC)

Short Description

11kW, 2P, Frame Size 160, 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	11.00 kW	2931 r/min	12.00 A	0.860	89.40 %	35.87 N·m	6.60
D	--	50 Hz	400 V	11.00 kW	2931 r/min	20.70 A	0.860	89.40 %	35.87 N·m	6.60
Y	--	50 Hz	660 V	11.00 kW	2919 r/min	12.30 A	0.880	89.40 %	35.90 N·m	6.20
D	--	50 Hz	380 V	11.00 kW	2919 r/min	21.30 A	0.880	89.40 %	35.87 N·m	6.20
D	--	60 Hz	440 V	11.00 kW	3529 r/min	17.90 A	0.900	90.20 %	29.68 N·m	7.40
D	--	60 Hz	460 V	11.00 kW	3535 r/min	18.20 A	0.850	90.20 %	29.63 N·m	7.70

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	11 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 89.4 % Partial Load (75%) 89.4 % Partial Load (50%) 88.3 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 90.2 % Partial Load (75%) 89.7 % Partial Load (50%) 88.0 %
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	160
Bearing	6209-2Z/C3
Bearing NDE	6209-2Z/C3
Lubrication	For life
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

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## Dimensions

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Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	586.5 mm
Product Net Height	414 mm
Product Net Width	338 mm
Product Net Weight	103 kg
Gross Weight	113 kg

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## Environmental

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

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## Classifications

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Standards	IEC 60034-1
UNSPSC	26101100

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## Categories

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

