

PRODUCT-DETAILS

## 3GBA161420-ADF

IE3 Premium Efficiency Cast Iron Motor 15 kW,  
400 V (3GBA161420-ADF)



### General Information

Product ID	3GBA161420-ADF
ABB Type Designation	M2BAX 160MLB 2
Catalog Description	IE3 Premium Efficiency Cast Iron Motor 15 kW, 400 V (3GBA161420-ADF)

### Ordering

ABB Type Designation	M2BAX 160MLB 2
Invoice Description	M2BAX 160MLB 2
Product Name	3-Phase squirrel cage motor
Product Type	EBA3_M2BAX_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Spain (ES) China (CN) Poland (PL)
Customs Tariff Number	85015230
Stocked At (Warehouses)	Menden, Germany

### Electrical

## Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	15.00 kW	2939 r/min	15.70 A	0.870	91.90 %	48.68 N-m	7.80
D	--	50 Hz	400 V	15.00 kW	2939 r/min	27.10 A	0.870	91.90 %	48.67 N-m	7.80
Y	--	50 Hz	660 V	15.00 kW	2937 r/min	15.70 A	0.910	91.90 %	48.78 N-m	7.10
D	--	50 Hz	380 V	15.00 kW	2936 r/min	27.30 A	0.920	91.90 %	48.78 N-m	7.10

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	15 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 91.9 % Partial Load (75%) 92.1 % Partial Load (50%) 91.9 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 92.2 % Partial Load (75%) 92.4 % Partial Load (50%) 91.5 %
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
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

**Dimensions**

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	586.5 mm
Product Net Height	413 mm
Product Net Width	310 mm
Product Net Weight	128 kg
Gross Weight	138 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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UNSPSC	26101100
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### Categories

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

