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 PRODUCT-DETAILS

## 3GBA162420-ADF

### IE3 Premium Efficiency Cast Iron Motors, 15 kW, 400 V (3GBA162420-ADF)




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**General Information**

Product ID	3GBA162420-ADF
ABB Type Designation	M2BAX 160MLB 4
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 15 kW, 400 V (3GBA162420-ADF)

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**Ordering**

ABB Type Designation	M2BAX 160MLB 4
Invoice Description	M2BAX 160MLB 4
Product Name	3-Phase squirrel cage motor
Product Type	EBA3_M2BAX_CI
Country or Territory of Origin	China
	Poland
Customs Tariff Number	85015230
Stocked At (Warehouses)	Menden, Germany Sant Quirze del Vallés - BCN, Spain Vittuone, Italy
Medium Description	15kW, 4 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA162420-ADF)
Short Description	15kW, 4P, Frame Size 160, 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	15.00 kW	1472 r/min	16.60 A	0.820	92.10 %	97.00 N·m	7.90
D	--	50 Hz	400 V	15.00 kW	1472 r/min	28.70 A	0.820	92.10 %	97.00 N·m	7.90
Y	--	50 Hz	660 V	15.00 kW	1469 r/min	16.90 A	0.840	92.10 %	97.20 N·m	7.10
D	--	50 Hz	380 V	15.00 kW	1469 r/min	29.50 A	0.840	92.10 %	97.20 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%) 92.1 % Partial Load (75%) 92.4 % Partial Load (50%) 92.1 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 93.0 % Partial Load (75%) 92.9 % Partial Load (50%) 91.9 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	4
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

Product Net Depth / Length	683.5 mm
Product Net Height	413 mm
Product Net Width	310 mm

Product Net Weight	161 kg
Gross Weight	171 kg

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### Environmental

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

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### 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

