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**PRODUCT-DETAILS**

## 3GBA162420-ADDIN

IE3 (BIS) Premium Efficiency Cast Iron Motors,  
15 kW, 415 V (3GBA162420-ADDIN)



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**General Information**

<b>Product ID:</b>	3GBA162420-ADDIN
<b>ABB Type Designation:</b>	M2BAX 160MLB 4
<b>Catalog Description:</b>	IE3 (BIS) Premium Efficiency Cast Iron Motors, 15 kW, 415 V (3GBA162420-ADDIN)
<b>Display Name:</b>	3GBA162420-ADDIN

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**Ordering**

<b>ABB Type Designation:</b>	M2BAX 160MLB 4
<b>Invoice Description:</b>	M2BAX 160MLB 4
<b>Product Name:</b>	3-Phase squirrel cage motor
<b>Product Type:</b>	IBA3__M2BAX_IE3_CI
<b>Country of Origin:</b>	India
<b>Customs Tariff Number:</b>	85015230
<b>Medium Description:</b>	15kW, 4 Poles, Frame Size 160, 3 Phases, 415V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA162420-ADDIN)

**Short Description:** 15kW, 4P, Frame Size 160, 3PH, 415V, 50Hz, IP55, IMB3/IM1001

## Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	415 V	15.00 kW	1470 r/min	28.80 A	0.800	92.10 %	96.90 N-m	7.50

<b>Connection Configuration:</b>	D
<b>Temperature Class Default:</b>	--
<b>Input Voltage (U<sub>in</sub>):</b>	415 V
<b>Frequency (f):</b>	50 Hz
<b>Output Power:</b>	15 kW
<b>Altitude:</b>	1000 m
<b>Ambient Temperature:</b>	50 °C
<b>IC Class:</b>	IC411
<b>IE Class Data (50 Hz):</b>	IE Class IE3 Full Load (100%) 92.1 % Partial Load (75%) 92.2 % Partial Load (50%) 91.3 %
<b>IP Class:</b>	IP55
<b>Insulation Class:</b>	ICLF
<b>Direction of Rotation:</b>	Both sides
<b>Number of Poles (High):</b>	4
<b>Two Speed Motor:</b>	No
<b>Type of Duty:</b>	S1
<b>Voltage Code:</b>	D

## Mechanical

<b>Frame Material:</b>	Cast Iron
<b>Frame Size:</b>	160
<b>Bearing:</b>	6209-2Z/C3
<b>Bearing NDE:</b>	6209-2Z/C3
<b>IM Class:</b>	IMB3 IM1001
<b>Terminator Box Location:</b>	D-End top

## Dimensions

<b>Product Net Depth / Length:</b>	696 mm
<b>Product Net Height:</b>	414 mm
<b>Product Net Width:</b>	338 mm

<b>Product Net Weight:</b>	159 kg
<b>Gross Weight:</b>	169 kg

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### Environmental

<b>WEEE Category:</b>	4. Large Equipment (Any External Dimension More Than 50 cm)
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### External Classifications and Standards

<b>UNSPSC:</b>	26101100
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### Categories

Products > Motors and Generators > IEC Low Voltage AC Motors > General Performance Motors > IE3 (BIS) Premium Efficiency Cast Iron Motors

