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**PRODUCT-DETAILS**

## 3GBA181410-ADDIN

IE3 (BIS) Premium Efficiency Cast Iron Motors,  
22 kW, 415 V (3GBA181410-ADDIN)



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**General Information**

<b>Product ID:</b>	3GBA181410-ADDIN
<b>ABB Type Designation:</b>	M2BAX 180MLA 2
<b>Catalog Description:</b>	IE3 (BIS) Premium Efficiency Cast Iron Motors, 22 kW, 415 V (3GBA181410-ADDIN)
<b>Display Name:</b>	3GBA181410-ADDIN

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**Ordering**

<b>ABB Type Designation:</b>	M2BAX 180MLA 2
<b>Invoice Description:</b>	M2BAX 180MLA 2
<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>	22kW, 2 Poles, Frame Size 180, 3 Phases, 415V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA181410-ADDIN)

**Short Description:** 22kW, 2P, Frame Size 180, 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	22.00 kW	2950 r/min	37.70 A	0.880	92.70 %	71.00 N·m	7.70

**Connection Configuration:** D

**Temperature Class Default:** --

**Input Voltage (U<sub>in</sub>):** 415 V

**Frequency (f):** 50 Hz

**Output Power:** 22 kW

**Altitude:** 1000 m

**Ambient Temperature:** 50 °C

**IC Class:** IC411

**IE Class Data (50 Hz):**  
 IE Class IE3  
 Full Load (100%) 92.7 %  
 Partial Load (75%) 93.2 %  
 Partial Load (50%) 92.7 %

**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:** 180

**Bearing:** 6310-2Z/C3

**Bearing NDE:** 6209-2Z/C3

**IM Class:** IMB3 IM1001

**Terminator Box Location:** D-End top

## Dimensions

**Product Net Depth / Length:** 728 mm

**Product Net Height:** 454 mm

**Product Net Width:** 380 mm

<b>Product Net Weight:</b>	181 kg
<b>Gross Weight:</b>	191 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

