



 PRODUCT-DETAILS

3GBA182420-ADDIN

IE3 (BIS) Premium Efficiency Cast Iron Motors,
22 kW, 415 V (3GBA182420-ADDIN)



General Information

Product ID	3GBA182420-ADDIN
ABB Type Designation	M2BAX 180MLB 4
Catalog Description	IE3 (BIS) Premium Efficiency Cast Iron Motors, 22 kW, 415 V (3GBA182420-ADDIN)

Ordering

ABB Type Designation	M2BAX 180MLB 4
Invoice Description	M2BAX 180MLB 4
Product Name	3-Phase squirrel cage motor
Product Type	IBA3__M2BAX_IE3_CI
Country or Territory of Origin	India
Customs Tariff Number	85015230
Medium Description	22kW, 4 Poles, Frame Size 180, 3 Phases, 415V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA182420-ADDIN)
Short Description	22kW, 4P, Frame Size 180, 3PH, 415V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	415 V	22.00 kW	1475 r/min	41.50 A	0.790	93.00 %	142.00 N·m	7.50
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U _{in})										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%) 93.0 % Partial Load (75%) 93.5 % Partial Load (50%) 93.0 %
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	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
Product Net Weight	205 kg
Gross Weight	215 kg

Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
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External Classifications and Standards

Categories

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

