



PRODUCT-DETAILS

3GBA281220-ADMIN

IE3 (BIS) Premium Efficiency Cast Iron Motors,
75 kW, 415 V (3GBA281220-ADMIN)



General Information

Product ID:	3GBA281220-ADMIN
ABB Type Designation:	M2BAX 280SMB 2
Catalog Description:	IE3 (BIS) Premium Efficiency Cast Iron Motors, 75 kW, 415 V (3GBA281220-ADMIN)
Display Name:	3GBA281220-ADMIN

Ordering

ABB Type Designation:	M2BAX 280SMB 2
Invoice Description:	M2BAX 280SMB 2
Product Name:	3-Phase squirrel cage motor
Product Type:	IBA3__M2BAX_IE3_CI
Country of Origin:	India
Customs Tariff Number:	85015290
Medium Description:	75kW, 2 Poles, Frame Size 280, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA281220-ADMIN)

Short Description: 75kW, 2P, Frame Size 280, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	400 V	75.00 kW	2978 r/min	130.00 A	0.880	94.70 %	240.00 N·m	7.70
D	--	50 Hz	415 V	75.00 kW	2978 r/min	129.00 A	0.850	94.70 %	240.00 N·m	7.70

Connection Configuration: D

Temperature Class Default: --

Input Voltage (U_{in}): 415 V

Frequency (f): 50 Hz

Output Power: 75 kW

Altitude: 1000 m

Ambient Temperature: 50 °C

IC Class: IC411

IE Class Data (50 Hz):
 IE Class IE3
 Full Load (100%) 94.7 %
 Partial Load (75%) 94.7 %
 Partial Load (50%) 93.7 %

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: 280

Bearing: 6316/C3

Bearing NDE: 6316/C3

IM Class: IMB3 IM1001

Terminator Box Location: D-End top

Dimensions

Product Net Depth / Length: 1052 mm

Product Net Height: 775 mm

Product Net Width:	572 mm
Product Net Weight:	596 kg
Gross Weight:	616 kg

External Classifications and Standards

UNSPSC:	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

