



PRODUCT-DETAILS

3GBA161430-BDD188

(3GBA161430-BDD188)



General Information

Product ID	3GBA161430-BDD188
ABB Type Designation	M2BAX 160MLC 2
Catalog Description	(3GBA161430-BDD188)

Ordering

ABB Type Designation	M2BAX 160MLC 2
Invoice Description	M2BAX 160MLC 2
Product Name	3-Phase squirrel cage motor
Product Type	EBA3_M2BAX_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Poland (PL)
Customs Tariff Number	85015230

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	18.50 kW	2949 r/min	18.20 A	0.900	92.40 %	59.81 N·m	9.00
D	--	50 Hz	400 V	18.50 kW	2949 r/min	32.00 A	0.900	92.40 %	59.81 N·m	9.00
Y	--	50 Hz	660 V	18.50 kW	2939 r/min	18.80 A	0.910	92.40 %	59.92 N·m	8.10
D	--	50 Hz	380 V	18.50 kW	2939 r/min	33.50 A	0.910	92.40 %	59.93 N·m	8.10
D	--	60 Hz	440 V	18.50 kW	3551 r/min	28.80 A	0.900	91.70 %	49.70 N·m	9.60
D	--	60 Hz	460 V	18.50 kW	3555 r/min	27.90 A	0.890	91.70 %	49.64 N·m	10.50

Temperature Class

Default

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Altitude

1000 m

Ambient Temperature

40 °C

IC Class

IC411

IE Class Data (50 Hz)

IE Class IE3

Full Load (100%) 92.4 %

Partial Load (75%) 93.0 %

Partial Load (50%) 92.6 %

IE Class Data (60 Hz)

IE Class IE3

Full Load (100%) 91.7 %

Partial Load (75%) 91.9 %

Partial Load (50%) 90.7 %

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

160

Bearing

6209-2Z/C3

Bearing NDE

6209-2Z/C3

IM Class

IMB5 IM3001

Terminator Box Location

D-End top

Dimensions

Package Level 1 Units

0 pallet (lift)

Product Net Weight

144 kg

Gross Weight

154 kg

Environmental

WEEE Category

4. Large Equipment (Any External Dimension More Than 50 cm)

Classifications

Standards

IEC 60034-1

UNSPSC

26101100

Categories

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

