



PRODUCT-DETAILS

3GBA161430-AEF

IE3 Premium Efficiency Cast Iron Motors, 18.5 kW, 500 V (3GBA161430-AEF)



General Information

Product ID	3GBA161430-AEF
ABB Type Designation	M2BAX 160MLC 2
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 18.5 kW, 500 V (3GBA161430-AEF)

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	China (CN) Poland (PL)
Customs Tariff Number	85015230
Medium Description	18.5kW, 2 Poles, Frame Size 160, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA161430-AEF)
Short Description	18.5kW, 2P, Frame Size 160, 3PH, 500V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	500 V	18.50 kW	2949 r/min	25.50 A	0.900	92.40 %	59.81 N·m	7.10
D	--	60 Hz	575 V	18.50 kW	3555 r/min	22.30 A	0.890	91.70 %	49.64 N·m	10.50
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U _{in})										500 V
Frequency (f)										50 Hz
Output Power										18.5 kW
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%) 92.7 %
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										E

Mechanical

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

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	683.5 mm
Product Net Height	413 mm
Product Net Width	310 mm
Product Net Weight	145 kg
Gross Weight	155 kg

Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP	d19446d4-4db6-4ddb-826d-2341a0f7dd46 Finland (FI)

Classifications

UNSPSC	26101100
--------	----------

Categories

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

