



 PRODUCT-DETAILS

3GBP163420-BEL

IE3 Premium Efficiency Cast Iron Motors, 11 kW, 500 V (3GBP163420-BEL)



General Information

Product ID	3GBP163420-BEL
ABB Type Designation	M3BP 160MLB 6
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 11 kW, 500 V (3GBP163420-BEL)

Ordering

ABB Type Designation	M3BP 160MLB 6
Invoice Description	M3BP 160MLB 6
Product Name	3-Phase squirrel cage motor
Product Type	5BP3 M3BP CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI) Poland (PL)
Customs Tariff Number	85015230
Medium Description	11kW, 6 Poles, Frame Size 160, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBP163420-BEL)
Short Description	11kW, 6P, Frame Size 160, 3PH, 500V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	500 V	11.00 kW	975 r/min	18.10 A	0.780	90.30 %	107.50 N·m	6.40
D	--	60 Hz	575 V	11.00 kW	1180 r/min	16.10 A	0.750	91.70 %	89.03 N·m	7.40

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	500 V
Frequency (f)	50 Hz
Output Power	11 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 90.3 % Partial Load (75%) 91.1 % Partial Load (50%) 91.1 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 91.7 % Partial Load (75%) 91.8 % Partial Load (50%) 91.0 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	6
Two Speed Motor	No
Type of Duty	S1
Voltage Code	E

Mechanical

Frame Material	Cast Iron
Frame Size	160
Bearing	6309/C3
Bearing NDE	6209/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	681 mm
Product Net Height	421 mm
Product Net Width	310 mm
Product Net Weight	180 kg
Gross Weight	190 kg

Environmental

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

Standards	IEC 60034-1
UNSPSC	26101100 39120000

Categories

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

