

PRODUCT-DETAILS

# 3GBP164420-BDK

IE3 Premium Efficiency Cast Iron Motor, 5.5 kW, 400 V (3GBP164420-BDK)



## General Information

Product ID	3GBP164420-BDK
ABB Type Designation	M3BP 160MLB 8
Catalog Description	IE3 Premium Efficiency Cast Iron Motor, 5.5 kW, 400 V (3GBP164420-BDK)

## Additional Information

ABB Type Designation	M3BP 160MLB 8
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6309/C3
Bearing NDE	6209/C3
Connection Configuration	D
Country of Origin	Finland (FI) China (CN)
Customs Tariff Number	85015220
Direction of Rotation	Both sides
Electrical Data	

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	5.50 kW	732 r/min	7.55 A	0.690	86.20 %	71.70 N-m	5.00
D	--	50 Hz	400 V	5.50 kW	732 r/min	13.00 A	0.690	86.20 %	71.70 N-m	5.00
Y	--	50 Hz	660 V	5.50 kW	730 r/min	7.67 A	0.720	86.20 %	71.90 N-m	4.60
D	--	50 Hz	380 V	5.50 kW	730 r/min	13.20 A	0.720	86.20 %	71.90 N-m	4.60
D	--	50 Hz	415 V	5.50 kW	733 r/min	13.10 A	0.660	86.20 %	71.60 N-m	5.20
D	--	60 Hz	460 V	5.50 kW	886 r/min	11.40 A	0.670	86.50 %	59.20 N-m	5.60

Frame Material	Cast Iron
Frame Size	160
Frequency (f)	50 Hz
Gross Weight	142 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 86.2 % Partial Load (75%) 86.7 % Partial Load (50%) 85.2 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 86.5 % Partial Load (75%) 86.5 % Partial Load (50%) 84.6 %
IM Class	IMB5 IM3001
Input Voltage (U <sub>in</sub> )	400 V
Insulation Class	ICLF
Invoice Description	M3BP 160MLB 8
IP Class	IP55
Made To Order	No
Medium Description	5.5kW, 8 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBP164420-BDK)
Minimum Order Quantity	1 piece
Number of Poles (High)	8
Order Multiple	1 piece
Output Power	5.5 kW
Package Level 1 Units	0 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	681 mm
Product Net Height	421 mm
Product Net Weight	132 kg
Product Net Width	310 mm
Product Type	3BP3__M3BP_IE3_CI
Quote Only	No
SCIP	54c45c7b-7581-40ab-b615-c1dcb277d8a7 Finland (FI)
Selling Unit of Measure	piece
Short Description	5.5kW, 8P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB5/IM3001
Temperature Class Default	--
Terminator Box Location	D-End top
Two Speed Motor	No
Type of Duty	S1
UNSPSC	26101100
Voltage Code	D
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

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## Categories

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

