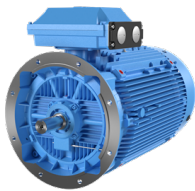




PRODUCT-DETAILS

3GBP312420-BDM

IE4 Super Premium Efficiency Cast Iron Motors, 160 kW, 400 V (3GBP312420-BDM)



General Information

Product ID:	3GBP312420-BDM
ABB Type Designation:	M3BP 315MLB 4
Catalog Description:	IE4 Super Premium Efficiency Cast Iron Motors, 160 kW, 400 V (3GBP312420-BDM)
Display Name:	3GBP312420-BDM

Ordering

ABB Type Designation:	M3BP 315MLB 4
Invoice Description:	M3BP 315MLB 4
Product Name:	3-Phase squirrel cage motor
Product Type:	3BP4__M3BP_IE4_CI
Country of Origin:	Finland China India Poland
Customs Tariff Number:	85015381

Medium Description: 160kW, 4 Poles, Frame Size 315, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBP312420-BDM)

Short Description: 160kW, 4P, Frame Size 315, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	160.00 kW	1490 r/min	161.00 A	0.860	96.60 %	1026.00 N-m	7.90
D	--	50 Hz	400 V	160.00 kW	1490 r/min	278.00 A	0.860	96.60 %	1026.00 N-m	7.90
D	--	50 Hz	415 V	160.00 kW	1490 r/min	274.00 A	0.840	96.60 %	1025.00 N-m	8.60
D	--	60 Hz	460 V	160.00 kW	1791 r/min	241.00 A	0.860	96.50 %	853.00 N-m	9.00

Connection Configuration:	D
Temperature Class Default:	--
Input Voltage (U_{in}):	400 V
Frequency (f):	50 Hz
Output Power:	160 kW
Altitude:	1000 m
Ambient Temperature:	40 °C
IC Class:	IC411
IE Class Data (50 Hz):	IE Class IE4 Full Load (100%) 96.6 % Partial Load (75%) 96.7 % Partial Load (50%) 96.4 %
IE Class Data (60 Hz):	IE Class IE4 Full Load (100%) 96.5 % Partial Load (75%) 96.5 % Partial Load (50%) 95.9 %
IP Class:	IP55
Insulation Class:	ICLF
Direction of Rotation:	Both sides
Number of Poles (High):	4
Two Speed Motor:	No
Type of Duty:	S1
Voltage Code:	D

Mechanical

Frame Material:	Cast Iron
Frame Size:	315
Bearing:	6319/C3
Bearing NDE:	6316/C3

IM Class:	IMB5 IM3001
Terminator Box Location:	Top

Dimensions

Product Net Depth / Length:	1313 mm
Product Net Height:	732 mm
Product Net Width:	590 mm
Product Net Weight:	1236 kg
Gross Weight:	1256 kg

Environmental

WEEE Category:	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP:	54c45c7b-7581-40ab-b615-c1dcb277d8a7 Finland

External Classifications and Standards

UNSPSC:	26101100
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Categories

Products > Motors and Generators > IEC Low Voltage AC Motors > Process Performance Motors > IE4 Super Premium Efficiency Cast Iron Motors

