



PRODUCT-DETAILS

3GBP161430-ADM

IE4 Super Premium Efficiency Cast Iron Motors, 18.5 kW, 400 V (3GBP161430-ADM)



General Information

Product ID:	3GBP161430-ADM
ABB Type Designation:	M3BP 160MLC 2
Catalog Description:	IE4 Super Premium Efficiency Cast Iron Motors, 18.5 kW, 400 V (3GBP161430-ADM)
Display Name:	3GBP161430-ADM

Ordering

ABB Type Designation:	M3BP 160MLC 2
Invoice Description:	M3BP 160MLC 2
Product Name:	3-Phase squirrel cage motor
Product Type:	3BP4__M3BP_IE4_CI
Country of Origin:	Finland China Poland
Customs Tariff Number:	85015230
Stocked At (Warehouses):	Menden, Germany

Medium Description:	18.5kW, 2 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP161430-ADM)
Short Description:	18.5kW, 2P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	18.50 kW	2943 r/min	18.30 A	0.900	93.70 %	60.70 N-m	8.60
D	--	50 Hz	400 V	18.50 kW	2943 r/min	31.60 A	0.900	93.70 %	60.70 N-m	8.60
D	--	50 Hz	415 V	18.50 kW	2951 r/min	30.50 A	0.900	93.70 %	59.80 N-m	9.00
D	--	60 Hz	460 V	18.50 kW	3555 r/min	27.90 A	0.890	93.00 %	50.40 N-m	9.70

Connection Configuration:	D
Temperature Class Default:	--
Input Voltage (U_{in}):	400 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 IE4 Full Load (100%) 93.7 % Partial Load (75%) 94.3 % Partial Load (50%) 94.3 %
IE Class Data (60 Hz):	IE Class IE4 Full Load (100%) 93.0 % Partial Load (75%) 93.2 % Partial Load (50%) 92.6 %
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:	6309/C3
Bearing NDE:	6209/C3
IM Class:	IMB3 IM1001

Terminator Box Location: D-End top

Dimensions

Product Net Depth / Length: 897 mm

Product Net Height: 329 mm

Product Net Width: 310 mm

Product Net Weight: 179 kg

Gross Weight: 189 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

Categories

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

