

PRODUCT-DETAILS

3GBP161430-ADG

IE2 High Efficiency Cast Iron Motors, 18.5 kW,
400 V (3GBP161430-ADG)



General Information

Product ID	3GBP161430-ADG
ABB Type Designation	M3BP 160MLC 2
Catalog Description	IE2 High Efficiency Cast Iron Motors, 18.5 kW, 400 V (3GBP161430-ADG)

Additional Information

ABB Type Designation	M3BP 160MLC 2
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6309/C3
Bearing NDE	6209/C3
Connection Configuration	D
Country of Origin	Finland (FI) China (CN) India (IN) Poland (PL)
Customs Tariff Number	85015230
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	18.50 kW	2923 r/min	18.30 A	0.920	90.90 %	60.20 N-m	7.50
D	--	50 Hz	400 V	18.50 kW	2923 r/min	31.50 A	0.920	90.90 %	60.20 N-m	7.50
D	--	50 Hz	415 V	18.50 kW	2938 r/min	30.70 A	0.900	92.10 %	60.20 N-m	8.00
D	--	60 Hz	440 V	18.50 kW	3536 r/min	28.60 A	0.920	91.60 %	49.90 N-m	7.90
D	--	60 Hz	460 V	18.50 kW	3543 r/min	27.20 A	0.920	91.60 %	49.80 N-m	8.70

Frame Material	Cast Iron
Frame Size	160
Frequency (f)	50 Hz
Gross Weight	180 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 90.9 % Partial Load (75%) 92.1 % Partial Load (50%) 92.1 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 91.6 % Partial Load (75%) 92.1 % Partial Load (50%) 91.3 %
IM Class	IMB3 IM1001
Input Voltage (U _{in})	400 V
Insulation Class	ICLF
Invoice Description	M3BP 160MLC 2
IP Class	IP55
Lubrication	Regreasable
Made To Order	No
Medium Description	18.5kW, 2 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP161430-ADG)
Minimum Order Quantity	1 piece
Number of Poles (High)	2
Order Multiple	1 piece
Output Power	18.5 kW
Package Level 1 Units	1 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	681 mm
Product Net Height	421 mm
Product Net Weight	170 kg
Product Net Width	338 mm
Product Type	3BP2__M3BP_IE2_CI
Quote Only	No
Replaced Product ID (OLD)	3GBP161037-ADG 3GBP161430-ADD
SCIP	54c45c7b-7581-40ab-b615-c1dcb277d8a7 Finland (FI)
Selling Unit of Measure	piece
Short Description	18.5kW, 2P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB3/IM1001
Sound dB (A)	71 dB(A)
Standards	IEC 60034-1
Stocked At (Warehouses)	Menden, Germany
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)

Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Cast Iron Motors

