



PRODUCT-DETAILS

3GBA161430-ADNCN

IE4 Super Premium Efficiency Cast Iron Motors, 18,5 kW, 400 V (3GBA161430-ADNCN)



General Information	
Product ID	3GBA161430-ADNCN
ABB Type Designation	M2BAX 160MLC 2
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors, 18,5 kW, 400 V (3GBA161430-ADNCN)

Ordering	
ABB Type Designation	M2BAX 160MLC 2
Invoice Description	M2BAX 160MLC 2
Product Name	3-Phase squirrel cage motor
Product Type	CBA4__M2BAX_IE4_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	China (CN)
Customs Tariff Number	85015230
Medium Description	18.5kW, 2 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA161430-ADNCN)
Short Description	18.5kW, 2P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	18.50 kW	2941 r/min	18.40 A	0.900	93.70 %	60.07 N·m	9.50
D	--	50 Hz	400 V	18.50 kW	2942 r/min	31.80 A	0.900	93.70 %	60.05 N·m	9.60
Y	--	50 Hz	660 V	18.50 kW	2931 r/min	19.10 A	0.910	93.70 %	60.27 N·m	9.20
D	--	50 Hz	380 V	18.50 kW	2930 r/min	33.10 A	0.910	93.70 %	60.29 N·m	9.10
D	--	60 Hz	440 V	18.50 kW	3542 r/min	28.80 A	0.900	93.00 %	49.87 N·m	10.20
D	--	60 Hz	460 V	18.50 kW	3547 r/min	27.80 A	0.890	93.00 %	49.80 N·m	11.10
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%) 94.1 % Partial Load (50%) 94.0 %
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	6309-2Z/C3
Bearing NDE	6209-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth /	683.5 mm

Length	
Product Net Height	414 mm
Product Net Width	310 mm
Product Net Weight	162 kg
Gross Weight	172 kg

Classifications	
UNSPSC	26101100

Categories

Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE4 Super Premium Efficiency Cast Iron Motors

