



PRODUCT-DETAILS

3GBA161420-BDNCN

IE4 Super Premium Efficiency Cast Iron Motors, 15 kW, 400 V (3GBA161420-BDNCN)



General Information	
Product ID	3GBA161420-BDNCN
ABB Type Designation	M2BAX 160MLB 2
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors, 15 kW, 400 V (3GBA161420-BDNCN)

Ordering	
ABB Type Designation	M2BAX 160MLB 2
Invoice Description	M2BAX 160MLB 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	15kW, 2 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBA161420-BDNCN)
Short Description	15kW, 2P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	15.00 kW	2951 r/min	15.20 A	0.890	93.30 %	48.54 N·m	10.10
D	--	50 Hz	400 V	15.00 kW	2951 r/min	26.20 A	0.890	93.30 %	48.54 N·m	10.20
Y	--	50 Hz	660 V	15.00 kW	2941 r/min	15.70 A	0.900	93.30 %	48.70 N·m	9.90
D	--	50 Hz	380 V	15.00 kW	2941 r/min	27.20 A	0.900	93.30 %	48.70 N·m	9.80
D	--	60 Hz	440 V	15.00 kW	3551 r/min	23.40 A	0.900	92.40 %	40.34 N·m	10.90
D	--	60 Hz	460 V	15.00 kW	3555 r/min	22.90 A	0.880	92.40 %	40.29 N·m	11.90

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	15 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE4 Full Load (100%) 93.3 % Partial Load (75%) 93.5 % Partial Load (50%) 92.9 %
IE Class Data (60 Hz)	IE Class IE4 Full Load (100%) 92.4 % Partial Load (75%) 92.3 % Partial Load (50%) 91.1 %
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	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth /	626.5 mm

Length	
Product Net Height	414 mm
Product Net Width	310 mm
Product Net Weight	149 kg
Gross Weight	159 kg

Classifications	
UNSPSC	26101100

Categories

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

