

PRODUCT-DETAILS

3GBA203410-ADC

IE2 High Efficiency Cast Iron Motors, 18.5 kW, 400 V (3GBA203410-ADC)



General Information

Product ID	3GBA203410-ADC
ABB Type Designation	M2BAX 200MLA 6
Catalog Description	IE2 High Efficiency Cast Iron Motors, 18.5 kW, 400 V (3GBA203410-ADC)

Ordering

ABB Type Designation	M2BAX 200MLA 6
Invoice Description	M2BAX 200MLA 6
Product Name	3-Phase squirrel cage motor
Product Type	EBA2_M2BAX_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	China (CN) Poland (PL)
Customs Tariff Number	85015230
Medium Description	18.5kW, 6 Poles, Frame Size 200, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA203410-ADC)
Short Description	18.5kW, 6P, Frame Size 200, 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	978 r/min	22.20 A	0.760	90.40 %	180.80 N·m	6.10
D	--	50 Hz	400 V	18.50 kW	978 r/min	38.50 A	0.760	90.40 %	180.80 N·m	6.10
Y	--	50 Hz	660 V	18.50 kW	975 r/min	22.70 A	0.790	90.40 %	180.80 N·m	5.60
D	--	50 Hz	380 V	18.50 kW	975 r/min	39.30 A	0.790	90.40 %	180.80 N·m	5.60
D	--	60 Hz	440 V	18.50 kW	1178 r/min	34.30 A	0.770	91.70 %	149.56 N·m	6.40
D	--	60 Hz	460 V	18.50 kW	1181 r/min	33.80 A	0.750	91.70 %	149.29 N·m	6.80

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 IE2 Full Load (100%) 90.4 % Partial Load (75%) 90.7 % Partial Load (50%) 90.0 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 91.7 % Partial Load (75%) 91.2 % Partial Load (50%) 89.9 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	6
Two Speed Motor	No
Type of Duty	S1
Voltage Code	D

Mechanical

Frame Material	Cast Iron
Frame Size	200
Bearing	6212-2Z/C3
Bearing NDE	6209-2Z/C3
Lubrication	For life
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	728 mm
Product Net Height	473 mm
Product Net Width	378 mm
Product Net Weight	205 kg

Gross Weight	215 kg
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Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP	d19446d4-4db6-4ddb-826d-2341a0f7dd46 Finland (FI)

Classifications

Standards	IEC 60034-1
UNSPSC	26101100

Categories

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

