



PRODUCT-DETAILS

3GBA201420-ADC

IE2 High Efficiency Cast Iron Motors, 37 kW,
400 V (3GBA201420-ADC)



General Information	
Product ID	3GBA201420-ADC
ABB Type Designation	M2BAX 200MLB 2
Catalog Description	IE2 High Efficiency Cast Iron Motors, 37 kW, 400 V (3GBA201420-ADC)

Ordering	
ABB Type Designation	M2BAX 200MLB 2
Invoice Description	M2BAX 200MLB 2
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
Stocked At	Shanghai, China

(Warehouses)	
Medium Description	37kW, 2 Poles, Frame Size 200, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA201420-ADC)
Short Description	37kW, 2P, 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	37.00 kW	2951 r/min	37.00 A	0.890	92.50 %	120.00 N·m	7.90
D	--	50 Hz	400 V	37.00 kW	2951 r/min	64.20 A	0.900	92.50 %	120.00 N·m	7.90
Y	--	50 Hz	660 V	37.00 kW	2943 r/min	38.70 A	0.910	92.50 %	120.00 N·m	7.20
D	--	50 Hz	380 V	37.00 kW	2943 r/min	67.00 A	0.910	92.50 %	120.00 N·m	7.20
D	--	60 Hz	440 V	37.00 kW	3553 r/min	57.00 A	0.920	92.40 %	99.45 N·m	8.60
D	--	60 Hz	460 V	37.00 kW	3558 r/min	56.00 A	0.890	92.40 %	99.32 N·m	9.20
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U _{in})										400 V
Frequency (f)										50 Hz
Output Power										37 kW
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 92.5 % Partial Load (75%) 92.5 % Partial Load (50%) 92.2 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 92.4 % Partial Load (75%) 91.8 % Partial Load (50%) 90.7 %
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	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	229 kg
Gross Weight	239 kg

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

