

PRODUCT-DETAILS

3GBA102520-CDC

IE2 High Efficiency Cast Iron Motors, 3 kW, 400 V (3GBA102520-CDC)



General Information	
Product ID	3GBA102520-CDC
ABB Type Designation	M2BAX 100LB 4
Catalog Description	IE2 High Efficiency Cast Iron Motors, 3 kW, 400 V (3GBA102520-CDC)

Ordering	
ABB Type Designation	M2BAX 100LB 4
Invoice Description	M2BAX 100LB 4
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	Poland (PL)
Customs Tariff Number	85015220
Medium Description	3kW, 4 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB14/IM3601 Mounting (3GBA102520-CDC)
Short Description	3kW, 4P, Frame Size 100, 3PH, 400V, 50Hz, IP55, IMB14/IM3601

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	3.00 kW	1443 r/min	3.82 A	0.770	85.50 %	19.80 N·m	7.60
D	--	50 Hz	400 V	3.00 kW	1443 r/min	6.61 A	0.770	85.50 %	19.80 N·m	7.60
Y	--	50 Hz	660 V	3.00 kW	1437 r/min	3.80 A	0.810	85.50 %	19.80 N·m	7.30
D	--	50 Hz	380 V	3.00 kW	1437 r/min	6.59 A	0.810	85.50 %	19.80 N·m	7.30
D	--	60 Hz	440 V	3.00 kW	1744 r/min	5.75 A	0.800	85.00 %	16.41 N·m	8.70
D	--	60 Hz	460 V	3.00 kW	1751 r/min	5.80 A	0.760	85.00 %	16.36 N·m	9.10
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U _{in})										400 V
Frequency (f)										50 Hz
Output Power										3 kW
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 85.5 % Partial Load (75%) 85.2 % Partial Load (50%) 83.4 %
IE Class Data (60 Hz)										IE Class IE1 Full Load (100%) 85.0 % Partial Load (75%) 83.7 % Partial Load (50%) 80.7 %
IP Class										IP55
Insulation Class										ICLF
Direction of Rotation										Both sides
Number of Poles (High)										4
Two Speed Motor										No
Type of Duty										S1
Voltage Code										D

Mechanical

Frame Material	Cast Iron
Frame Size	100
Bearing	6206-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB14 IM3601
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth /	376 mm

Length	
Product Net Height	240 mm
Product Net Width	218 mm
Product Net Weight	35 kg
Gross Weight	40 kg

Environmental	
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
SCIP	d19446d4-4db6-4ddb-826d-2341a0f7dd46 Finland (FI)

Classifications	
UNSPSC	26101100

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

