



PRODUCT-DETAILS

# 3GBA102810-ASD

## IE3 Premium Efficiency Cast Iron Motors, 3 kW, 400 V (3GBA102810-ASD)



General Information	
Product ID	3GBA102810-ASD
ABB Type Designation	M2BAX 100LKA 4
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 3 kW, 400 V (3GBA102810-ASD)

Ordering	
ABB Type Designation	M2BAX 100LKA 4
Invoice Description	M2BAX 100LKA 4
Product Name	3-Phase squirrel cage motor
Product Type	EBA3__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)
Customs Tariff Number	85015220
Stocked At (Warehouses)	Menden, Germany Shanghai, China
Medium Description	3kW, 4 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA102810-ASD)
Short Description	3kW, 4P, Frame Size 100, 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	400 V	3.00 kW	1440 r/min	6.02 A	0.820	87.70 %	19.90 N·m	8.30
D	--	50 Hz	230 V	3.00 kW	1440 r/min	10.50 A	0.810	87.70 %	19.91 N·m	8.30
Y	--	50 Hz	380 V	3.00 kW	1432 r/min	5.88 A	0.840	87.70 %	20.01 N·m	7.60
D	--	50 Hz	220 V	3.00 kW	1432 r/min	10.20 A	0.840	87.70 %	20.01 N·m	7.60
Y	--	50 Hz	415 V	3.00 kW	1445 r/min	5.95 A	0.800	87.70 %	19.83 N·m	8.80
Connection Configuration										Y
Temperature Class Default										--
Input Voltage (U <sub>in</sub> )										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 IE3 Full Load (100%) 87.7 % Partial Load (75%) 87.7 % Partial Load (50%) 86.7 %
IE Class Data (60 Hz)										IE Class IE3 Full Load (100%) 89.5 % Partial Load (75%) 89.1 % Partial Load (50%) 87.8 %
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										S

Mechanical

Frame Material	Cast Iron
Frame Size	100
Bearing	6206-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth /	411 mm

Length	
Product Net Height	240 mm
Product Net Width	200 mm
Product Net Weight	41 kg
Gross Weight	46 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 → IE3 Premium Efficiency Cast Iron Motors	

