

PRODUCT-DETAILS

3GBA101810-ASD

IE3 Premium Efficiency Cast Iron Motor 3 kW,
400 V (3GBA101810-ASD)



General Information

Product ID	3GBA101810-ASD
ABB Type Designation	M2BAX 100LKA 2
Catalog Description	IE3 Premium Efficiency Cast Iron Motor 3 kW, 400 V (3GBA101810-ASD)

Ordering

ABB Type Designation	M2BAX 100LKA 2
Invoice Description	M2BAX 100LKA 2
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

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	2904 r/min	5.46 A	0.910	87.10 %	9.89 N·m	9.30
D	--	50 Hz	230 V	3.00 kW	2904 r/min	9.50 A	0.910	87.10 %	9.89 N·m	9.30
Y	--	50 Hz	380 V	3.00 kW	2890 r/min	5.75 A	0.910	87.10 %	9.94 N·m	8.30
D	--	50 Hz	220 V	3.00 kW	2890 r/min	9.93 A	0.910	87.10 %	9.94 N·m	8.30

Connection Configuration	Y
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 IE3 Full Load (100%) 87.1 % Partial Load (75%) 88.1 % Partial Load (50%) 88.3 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 88.5 % Partial Load (75%) 88.6 % Partial Load (50%) 87.7 %
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	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 / Length	411 mm
Product Net Height	240 mm
Product Net Width	200 mm
Product Net Weight	42 kg
Gross Weight	47 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
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Categories

Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE3 Premium Efficiency Cast Iron Motors

