

PRODUCT-DETAILS

3GBA071320-ASC

IE2 High Efficiency Cast Iron Motors, 0.55 kW,
400 V (3GBA071320-ASC)



General Information

Product ID	3GBA071320-ASC
ABB Type Designation	M2BAX 71MB 2
Catalog Description	IE2 High Efficiency Cast Iron Motors, 0.55 kW, 400 V (3GBA071320-ASC)

Ordering

ABB Type Designation	M2BAX 71MB 2
Invoice Description	M2BAX 71MB 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	85015100
Stocked At (Warehouses)	Shanghai, China
Medium Description	0.55kW, 2 Poles, Frame Size 71, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA071320-ASC)
Short Description	0.55kW, 2P, Frame Size 71, 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	0.55 kW	2820 r/min	1.31 A	0.780	74.10 %	1.86 N·m	5.50
D	--	50 Hz	230 V	0.55 kW	2820 r/min	2.27 A	0.780	74.10 %	1.86 N·m	5.50
Y	--	50 Hz	380 V	0.55 kW	2790 r/min	1.31 A	0.820	74.10 %	1.86 N·m	5.20
D	--	50 Hz	220 V	0.55 kW	2790 r/min	2.27 A	0.820	74.10 %	1.86 N·m	5.20
Y	--	60 Hz	440 V	0.55 kW	3420 r/min	1.22 A	0.800	74.00 %	1.52 N·m	6.40
Y	--	60 Hz	460 V	0.55 kW	3436 r/min	1.24 A	0.740	74.00 %	1.51 N·m	6.40
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Connection Configuration	Y
Temperature Class	--
Default	
Input Voltage (U_{in})	400 V
Frequency (f)	50 Hz
Output Power	0.55 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 74.1 % Partial Load (75%) 72.4 % Partial Load (50%) 68.5 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 74.0 % Partial Load (75%) 70.9 % Partial Load (50%) 65.6 %
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	71
Bearing	6203-2Z/C3
Bearing NDE	6202-2Z/C3
Lubrication	For life
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	257 mm
Product Net Height	175 mm
Product Net Width	147 mm

Product Net Weight	10 kg
Gross Weight	13 kg

Environmental

WEEE Category	5. Small Equipment (No 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

