

PRODUCT-DETAILS

# 3GBA163410-ASC

## IE2 High Efficiency Cast Iron Motors, 7.5 kW, 400 V (3GBA163410-ASC)



General Information	
Product ID	3GBA163410-ASC
ABB Type Designation	M2BAX 160MLA 6
Catalog Description	IE2 High Efficiency Cast Iron Motors, 7.5 kW, 400 V (3GBA163410-ASC)

Ordering	
ABB Type Designation	M2BAX 160MLA 6
Invoice Description	M2BAX 160MLA 6
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	85015220
Stocked At (Warehouses)	Shanghai, China
Medium Description	7.5kW, 6 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA163410-ASC)

Short Description

7.5kW, 6P, Frame Size 160, 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	7.50 kW	974 r/min	16.30 A	0.750	87.20 %	73.20 N·m	6.40
D	--	50 Hz	230 V	7.50 kW	977 r/min	28.30 A	0.750	87.20 %	73.19 N·m	6.40
Y	--	50 Hz	380 V	7.50 kW	974 r/min	16.60 A	0.780	87.20 %	73.42 N·m	6.00
D	--	50 Hz	220 V	7.50 kW	974 r/min	28.60 A	0.780	87.20 %	73.42 N·m	6.00
Y	--	60 Hz	440 V	7.50 kW	1177 r/min	14.50 A	0.760	89.50 %	60.71 N·m	7.40
Y	--	60 Hz	460 V	7.50 kW	1180 r/min	14.40 A	0.730	89.50 %	60.60 N·m	7.30

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	7.5 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 87.2 % Partial Load (75%) 87.5 % Partial Load (50%) 86.9 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 89.5 % Partial Load (75%) 89.0 % Partial Load (50%) 87.7 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	6
Two Speed Motor	No
Type of Duty	S1
Voltage Code	S

Mechanical

Frame Material	Cast Iron
Frame Size	160
Bearing	6209-2Z/C3
Bearing NDE	6209-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	586.5 mm

Product Net Height	414 mm
Product Net Width	338 mm
Product Net Weight	114 kg
Gross Weight	124 kg

Environmental

WEEE Category	4. Large Equipment (Any 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 → IE2 High Efficiency Cast Iron Motors

