



PRODUCT-DETAILS

3GBA163410-ADF

IE3 Premium Efficiency Cast Iron Motors, 7.5 kW, 400 V (3GBA163410-ADF)



General Information

Product ID	3GBA163410-ADF
ABB Type Designation	M2BAX 160MLA 6
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 7.5 kW, 400 V (3GBA163410-ADF)

Ordering

ABB Type Designation	M2BAX 160MLA 6
Invoice Description	M2BAX 160MLA 6
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) Poland (PL)
Customs Tariff Number	85015220
Stocked At (Warehouses)	Menden, Germany
Medium Description	7.5kW, 6 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA163410-ADF)
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	690 V	7.50 kW	979 r/min	9.22 A	0.750	89.10 %	73.39 N·m	7.60
D	--	50 Hz	400 V	7.50 kW	979 r/min	15.90 A	0.750	89.10 %	73.39 N·m	7.60
Y	--	50 Hz	660 V	7.50 kW	976 r/min	9.39 A	0.780	89.10 %	73.69 N·m	7.00
D	--	50 Hz	380 V	7.50 kW	976 r/min	16.30 A	0.780	89.10 %	73.69 N·m	7.00

Connection Configuration	D
Temperature Class	--
Default	
Input Voltage (U _{in})	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 IE3 Full Load (100%) 89.1 % Partial Load (75%) 89.5 % Partial Load (50%) 88.9 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 91.0 % Partial Load (75%) 90.6 % Partial Load (50%) 89.7 %
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	D

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	626.5 mm
Product Net Height	413 mm
Product Net Width	310 mm
Product Net Weight	131 kg
Gross Weight	141 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

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

