



PRODUCT-DETAILS

3GBA182410-ADF

IE3 Premium Efficiency Cast Iron Motors, 18.5 kW, 400 V (3GBA182410-ADF)



General Information

Product ID:	3GBA182410-ADF
ABB Type Designation:	M2BAX 180MLA 4
Catalog Description:	IE3 Premium Efficiency Cast Iron Motors, 18.5 kW, 400 V (3GBA182410-ADF)
Display Name:	3GBA182410-ADF

Ordering

ABB Type Designation:	M2BAX 180MLA 4
Invoice Description:	M2BAX 180MLA 4
Product Name:	3-Phase squirrel cage motor
Product Type:	EBA3__M2BAX_CI
Country or Territory of Origin:	China Poland
Customs Tariff Number:	85015230

Stocked At (Warehouses):	Menden, Germany Sant Quirze del Vallés - BCN, Spain Vittuone, Italy
Medium Description:	18.5kW, 4 Poles, Frame Size 180, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA182410-ADF)
Short Description:	18.5kW, 4P, Frame Size 180, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	18.50 kW	1470 r/min	21.10 A	0.790	92.60 %	120.00 N-m	9.20
D	--	50 Hz	400 V	18.50 kW	1470 r/min	36.50 A	0.790	92.60 %	120.00 N-m	9.20
Y	--	50 Hz	660 V	18.50 kW	1466 r/min	21.60 A	0.810	92.60 %	120.00 N-m	8.60
D	--	50 Hz	380 V	18.50 kW	1466 r/min	37.50 A	0.810	92.60 %	120.00 N-m	8.60

Connection Configuration:	D
Temperature Class Default:	--
Input Voltage (U_{in}):	400 V
Frequency (f):	50 Hz
Output Power:	18.5 kW
Altitude:	1000 m
Ambient Temperature:	40 °C
IC Class:	IC411
IE Class Data (50 Hz):	IE Class IE3 Full Load (100%) 92.6 % Partial Load (75%) 92.8 % Partial Load (50%) 92.4 %
IE Class Data (60 Hz):	IE Class IE3 Full Load (100%) 93.6 % Partial Load (75%) 93.5 % Partial Load (50%) 93.0 %
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:	D

Mechanical

Frame Material:	Cast Iron
Frame Size:	180
Bearing:	6210-2Z/C3

Bearing NDE:	6209-2Z/C3
IM Class:	IMB3 IM1001
Terminator Box Location:	D-End top

Dimensions

Product Net Depth / Length:	683.5 mm
Product Net Height:	434 mm
Product Net Width:	340 mm
Product Net Weight:	169 kg
Gross Weight:	179 kg

Environmental

WEEE Category:	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP:	d19446d4-4db6-4ddb-826d-2341a0f7dd46 Finland

External Classifications and Standards

UNSPSC:	26101100
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Categories

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

