



PRODUCT-DETAILS

3GBA182410-ADFCN

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



General Information

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

Ordering

ABB Type Designation:	M2BAX 180MLA 4
Invoice Description:	M2BAX 180MLA 4
Product Name:	3-Phase squirrel cage motor
Product Type:	CBA3_M2BAX_CI
Country or Territory of Origin:	China
Customs Tariff Number:	85015230
Medium Description:	18.5kW, 4 Poles, Frame Size 180, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA182410-ADFCN)

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	1472 r/min	20.30 A	0.820	92.60 %	120.00 N-m	10.30
D	--	50 Hz	400 V	18.50 kW	1472 r/min	35.00 A	0.820	92.60 %	120.00 N-m	10.30
Y	--	50 Hz	660 V	18.50 kW	1469 r/min	20.90 A	0.840	92.60 %	120.00 N-m	9.40
D	--	50 Hz	380 V	18.50 kW	1469 r/min	36.30 A	0.840	92.60 %	120.00 N-m	9.40
D	--	60 Hz	440 V	18.50 kW	1774 r/min	31.80 A	0.820	92.40 %	99.60 N-m	9.70
D	--	60 Hz	460 V	18.50 kW	1777 r/min	31.10 A	0.800	92.40 %	99.40 N-m	10.40

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%) 92.6 % Partial Load (50%) 92.0 %
IE Class Data (60 Hz):	IE Class IE2 Full Load (100%) 92.4 % Partial Load (75%) 91.6 % Partial Load (50%) 90.2 %
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:	6310-2Z/C3
Bearing NDE:	6309-2Z/C3
IM Class:	IMB3 IM1001

Terminator Box Location: D-End top

Dimensions

Product Net Depth / Length: 683 mm

Product Net Height: 433 mm

Product Net Width: 338 mm

Product Net Weight: 169 kg

Gross Weight: 179 kg

Environmental

WEEE Category: 4. Large Equipment (Any External Dimension More Than 50 cm)

External Classifications and Standards

UNSPSC: 26101100

Categories

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

