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 PRODUCT-DETAILS

## 3GBP081323-ADB

IE2 High Efficiency Cast Iron Motors, 1.1 kW,  
400 V (3GBP081323-ADB)



Submitted by TECO Group

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**General Information**

Product ID	3GBP081323-ADB
ABB Type Designation	M3BP 80MC 2
Catalog Description	IE2 High Efficiency Cast Iron Motors, 1.1 kW, 400 V (3GBP081323-ADB)

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**Ordering**

ABB Type Designation	M3BP 80MC 2
Invoice Description	M3BP 80MC 2
Product Name	3-Phase squirrel cage motor
Product Type	3BP2_M3BP_IE2_CI
Made To Order	No
Minimum Order Quantity	1 piece
Selling Unit of Measure	piece
Country of Origin	Spain (ES) Finland (FI) China (CN) Poland (PL)
Customs Tariff Number	85015220

Medium Description	1.1kW, 2 Poles, Frame Size 80, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP081323-ADB)
Short Description	1.1kW, 2P, Frame Size 80, 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	1.10 kW	2870 r/min	1.41 A	0.800	81.80 %	3.63 N·m	7.50
D	--	50 Hz	400 V	1.10 kW	2870 r/min	2.44 A	0.800	81.80 %	3.63 N·m	7.50
D	--	60 Hz	460 V	1.10 kW	3490 r/min	2.12 A	0.800	82.90 %	3.00 N·m	7.50

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	1.1 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 81.8 % Partial Load (75%) 81.7 % Partial Load (50%) 78.9 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 82.9 % Partial Load (75%) 81.8 % Partial Load (50%) 78.4 %
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	D

## Mechanical

Frame Material	Cast Iron
Frame Size	80
Bearing	6204-2Z/C3
Bearing NDE	6203-2Z/C3
Lubrication	For life
IM Class	IMB3 IM1001
Terminator Box Location	Top

## Dimensions

Package Level 1 Units	0 carton
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Product Net Depth / Length	321 mm
Product Net Height	195 mm
Product Net Width	157 mm
Product Net Weight	18 kg
Gross Weight	21 kg

## Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
SCIP	54c45c7b-7581-40ab-b615-c1dcb277d8a7 Finland (FI)

## Classifications

Standards	IEC 60034-1
UNSPSC	26101100

## Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Cast Iron Motors

