

PRODUCT-DETAILS

# 3GBA082310-CDC

IE2 High Efficiency Cast Iron Motors, 0.55 kW,  
400 V (3GBA082310-CDC)



## General Information

Product ID	3GBA082310-CDC
ABB Type Designation	M2BAX 80MA 4
Catalog Description	IE2 High Efficiency Cast Iron Motors, 0.55 kW, 400 V (3GBA082310-CDC)

## Ordering

ABB Type Designation	M2BAX 80MA 4
Invoice Description	M2BAX 80MA 4
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	Poland (PL)
Customs Tariff Number	85015100
Medium Description	0.55kW, 4 Poles, Frame Size 80, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB14/IM3601 Mounting (3GBA082310-CDC)
Short Description	0.55kW, 4P, Frame Size 80, 3PH, 400V, 50Hz, IP55, IMB14/IM3601

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	0.55 kW	1431 r/min	0.77 A	0.770	77.10 %	3.67 N·m	5.80
D	--	50 Hz	400 V	0.55 kW	1431 r/min	1.34 A	0.770	77.10 %	3.67 N·m	5.80
Y	--	50 Hz	660 V	0.55 kW	1421 r/min	0.78 A	0.800	77.10 %	3.70 N·m	5.40
D	--	50 Hz	380 V	0.55 kW	1421 r/min	1.35 A	0.800	77.10 %	3.70 N·m	5.40
D	--	60 Hz	440 V	0.55 kW	1734 r/min	1.27 A	0.750	75.50 %	3.03 N·m	6.60
D	--	60 Hz	460 V	0.55 kW	1740 r/min	1.25 A	0.730	75.50 %	3.02 N·m	6.90

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	0.55 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 77.1 % Partial Load (75%) 77.4 % Partial Load (50%) 74.9 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 75.5 % Partial Load (75%) 74.7 % Partial Load (50%) 70.7 %
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	80
Bearing	6204-2Z/C3
Bearing NDE	6203-2Z/C3
IM Class	IMB14 IM3601
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth /	309 mm

Length	
Product Net Height	192 mm
Product Net Width	164 mm
Product Net Weight	15 kg
Gross Weight	18 kg

Environmental	
WEEE Category	5. Small Equipment (No 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 → IE2 High Efficiency Cast Iron Motors	

