



PRODUCT-DETAILS

# 3GBA102810-ASNCN

## IE4 Super Premium Efficiency Cast Iron Motors, 2,2 kW, 400 V (3GBA102810-ASNCN)



General Information

Product ID	3GBA102810-ASNCN
ABB Type Designation	M2BAX 100LKA 4
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors, 2,2 kW, 400 V (3GBA102810-ASNCN)

Ordering

ABB Type Designation	M2BAX 100LKA 4
Invoice Description	M2BAX 100LKA 4
Product Name	3-Phase squirrel cage motor
Product Type	CBA4 _M2BAX_IE4_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	China (CN)
Customs Tariff Number	85015220
Medium Description	2.2kW, 4 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA102810-ASNCN)
Short Description	2.2kW, 4P, Frame Size 100, 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	400 V	2.20 kW	1465 r/min	4.43 A	0.800	89.50 %	14.36 N·m	8.20
D	--	50 Hz	230 V	2.20 kW	1465 r/min	7.71 A	0.800	89.50 %	14.36 N·m	8.20
Y	--	50 Hz	380 V	2.20 kW	1465 r/min	4.61 A	0.810	89.50 %	14.36 N·m	7.80
D	--	50 Hz	220 V	2.20 kW	1465 r/min	7.96 A	0.810	89.50 %	14.36 N·m	7.80
Y	--	60 Hz	440 V	2.20 kW	1772 r/min	4.03 A	0.800	89.50 %	11.85 N·m	8.70
Y	--	60 Hz	460 V	2.20 kW	1775 r/min	4.00 A	0.770	89.50 %	11.84 N·m	9.30

Connection Configuration	Y
Temperature Class	--
Default	
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	2,2 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE4 Full Load (100%) 89.5 % Partial Load (75%) 90.0 % Partial Load (50%) 89.6 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 89.5 % Partial Load (75%) 89.1 % Partial Load (50%) 86.9 %
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	S

Mechanical

Frame Material	Cast Iron
Frame Size	100
Bearing	6206-2Z/C3
Bearing NDE	6206-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	411 mm
Product Net Height	240 mm
Product Net Width	200 mm
Product Net Weight	45 kg
Gross Weight	50 kg

Classifications

UNSPSC	26101100
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Categories

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Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE4 Super Premium Efficiency Cast Iron Motors

