



PRODUCT-DETAILS

3GBA101810-ASNCN

IE4 Super Premium Efficiency Cast Iron Motors, 3 kW, 400 V (3GBA101810-ASNCN)



General Information	
Product ID	3GBA101810-ASNCN
ABB Type Designation	M2BAX 100LKA 2
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors, 3 kW, 400 V (3GBA101810-ASNCN)

Ordering	
ABB Type Designation	M2BAX 100LKA 2
Invoice Description	M2BAX 100LKA 2
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	3kW, 2 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA101810-ASNCN)
Short Description	3kW, 2P, 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	3.00 kW	2892 r/min	5.46 A	0.890	89.10 %	10.10 N·m	8.20
D	--	50 Hz	230 V	3.00 kW	2892 r/min	9.50 A	0.890	89.10 %	10.10 N·m	8.20
Y	--	50 Hz	380 V	3.00 kW	2875 r/min	5.68 A	0.900	89.10 %	10.10 N·m	7.50
D	--	50 Hz	220 V	3.00 kW	2875 r/min	9.82 A	0.900	89.10 %	10.10 N·m	7.50
Y	--	60 Hz	440 V	3.00 kW	3491 r/min	4.94 A	0.890	89.50 %	8.16 N·m	8.60
Y	--	60 Hz	460 V	3.00 kW	3499 r/min	4.78 A	0.880	89.50 %	8.14 N·m	9.30

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	3 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE4 Full Load (100%) 89.1 % Partial Load (75%) 90.7 % Partial Load (50%) 91.1 %
IE Class Data (60 Hz)	IE Class IE4 Full Load (100%) 89.5 % Partial Load (75%) 90.0 % Partial Load (50%) 89.1 %
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	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 /	411 mm

Length	
Product Net Height	240 mm
Product Net Width	200 mm
Product Net Weight	45 kg
Gross Weight	50 kg

Classifications	
UNSPSC	26101100

Categories

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

