



PRODUCT-DETAILS

# 3GAA081330-BSK843

## IE3 Premium Efficiency Aluminum Motors, 1.1 kW, 400 V (3GAA081330-BSK843)



General Information	
Product ID	3GAA081330-BSK843
ABB Type Designation	M3AA 80MC 2
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 1.1 kW, 400 V (3GAA081330-BSK843)

Ordering	
ABB Type Designation	M3AA 80MC 2
Invoice Description	M3AA 80MC 2
Product Name	3-Phase squirrel cage motor
Product Type	3AA3 _M3AA_IE3_AA
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Romania (RO)
Customs Tariff Number	85015220
Stocked At (Warehouses)	Menden, Germany
Medium Description	1.1kW, 2 Poles, Frame Size 80, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA081330-BSK843)
Short Description	1.1kW, 2P, Frame Size 80, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data											
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	
Y	--	50 Hz	400 V	1.10 kW	2883 r/min	2.34 A	0.810	82.70 %	3.60 N·m	7.10	
D	--	50 Hz	230 V	1.10 kW	2883 r/min	4.00 A	0.810	82.70 %	3.60 N·m	7.90	
Y	--	50 Hz	380 V	1.10 kW	2868 r/min	2.30 A	0.840	82.70 %	3.60 N·m	7.90	
D	--	50 Hz	220 V	1.10 kW	2868 r/min	4.10 A	0.840	83.70 %	3.60 N·m	7.90	
Y	--	50 Hz	415 V	1.10 kW	2895 r/min	2.30 A	0.780	82.70 %	3.60 N·m	8.20	
Connection Configuration										Y	
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 IE3 Full Load (100%) 82.7 % Partial Load (75%) 81.9 % Partial Load (50%) 79.5 %	
IE Class Data (60 Hz)										IE Class IE3 Full Load (100%) 84.0 % Partial Load (75%) 83.0 % Partial Load (50%) 80.2 %	
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	Aluminum
Frame Size	80
Bearing	6204-2Z/C3
Bearing NDE	6203-2Z/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth /	265.5 mm

Length	
Product Net Height	193.5 mm
Product Net Width	154 mm
Product Net Weight	10.5 kg
Gross Weight	13.5 kg

Environmental	
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Classifications	
UNSPSC	26101100

Categories	
Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE3 Premium Efficiency Aluminum Motors	

