

PRODUCT-DETAILS

3GAA083313-ASE843

IE2 High Efficiency Aluminum Motors, 0.55 kW, 400 V (3GAA083313-ASE843)



General Information	
Product ID	3GAA083313-ASE843
ABB Type Designation	M3AA 80C 6
Catalog Description	IE2 High Efficiency Aluminum Motors, 0.55 kW, 400 V (3GAA083313-ASE843)

Ordering	
ABB Type Designation	M3AA 80C 6
Invoice Description	M3AA 80C 6
Product Name	3-Phase squirrel cage motor
Product Type	3AA2__M3AA_IE2_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	85015100
Stocked At (Warehouses)	Menden, Germany
Medium Description	0.55kW, 6P, Frame Size 80, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA083313-ASE843)
Short Description	0.55kW, 6P, 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	400 V	0.55 kW	905 r/min	1.42 A	0.760	73.10 %	5.80 N·m	4.40	
D	--	50 Hz	230 V	0.55 kW	905 r/min	2.45 A	0.760	73.10 %	5.80 N·m	4.40	
Connection Configuration											Y
Temperature Class Default											--
Input Voltage (U _{in})											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%) 73.1 % Partial Load (75%) 75.9 % Partial Load (50%) 75.1 %
IE Class Data (60 Hz)											IE Class IE2 Full Load (100%) 68.0 % Partial Load (75%) 69.2 % Partial Load (50%) 66.0 %
IP Class											IP55
Insulation Class											ICLF
Direction of Rotation											Both sides
Number of Poles (High)											6
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											IMB3 IM1001
Terminator Box Location											Top
Dimensions											
Package Level 1 Units											0 carton
Product Net Depth / Length											292.5 mm
Product Net Height											193.5 mm
Product Net Width											154 mm
Product Net Weight											15 kg
Gross Weight											18 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 → IE2 High Efficiency Aluminum Motors	

