



PRODUCT-DETAILS

3GAA183031-ASG

IE2 High Efficiency Aluminum Motors, 15 kW,
400 V (3GAA183031-ASG)

"No longer for sale" replaced by 3GAA183410-



General Information

Product ID	3GAA183031-ASG
ABB Type Designation	M3AA 180MLA 6
Catalog Description	IE2 High Efficiency Aluminum Motors, 15 kW, 400 V (3GAA183031-ASG)

Ordering

ABB Type Designation	M3AA 180MLA 6
Invoice Description	M3AA 180MLA 6
Product Name	3-Phase squirrel cage motor
Product Type	3AA2_M3AA_IE2_AA
Made To Order	No
Minimum Order Quantity	1 piece
Selling Unit of Measure	piece
Country of Origin	Sweden (SE) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA183101-ASC
Medium Description	15kW, 6 Poles, Frame Size 180, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA183031-ASG)
Short Description	15kW, 6P, Frame Size 180, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical							
Electrical Data							
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor
D	--	50 Hz	230 V	15.00 kW	981 r/min	54.00 A	0.770
Y	--	50 Hz	400 V	15.00 kW	981 r/min	31.00 A	0.770
Y	--	50 Hz	415 V	15.00 kW	982 r/min	31.00 A	0.740
Y	--	60 Hz	460 V	15.00 kW	1184 r/min	26.90 A	0.760
Connection Configuration							Y
Temperature Class Default							--
Input Voltage (U _{in})							400 V
Frequency (f)							50 Hz
Output Power							15 kW
Altitude							1000 m
Ambient Temperature							40 °C
IC Class							IC411
IE Class Data (50 Hz)							IE Class IE2 Full Load (100%) 90.5 % Partial Load (75%) 91.3 % Partial Load (50%) 90.6 %
IE Class Data (60 Hz)							IE Class IE2 Full Load (100%) 91.8 % Partial Load (75%) 92.0 % Partial Load (50%) 90.9 %
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							180
Bearing							6310-2Z/C3
Bearing NDE							6209-2Z/C3
IM Class							IMB3 IM1001
Dimensions							
Package Level 1 Units							0 pallet (lift)
Product Net Depth / Length							726 mm
Product Net Height							405 mm
Product Net Width							354 mm
Product Net Weight							162 kg
Gross Weight							172 kg
Classifications							
Standards							IEC 60034-1
UNSPSC							26101100

Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Aluminum Motors

