



PRODUCT-DETAILS

3GAA183410-ASG

IE2 High Efficiency Aluminum Motors, 15 kW,
400 V (3GAA183410-ASG)



General Information

Product ID	3GAA183410-ASG
ABB Type Designation	M3AA 180MLA 6
Catalog Description	IE2 High Efficiency Aluminum Motors, 15 kW, 400 V (3GAA183410-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
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA183061-ASA 3GAA183033-ASG 3GAA183031-ASG
Medium Description	15kW, 6 Poles, Frame Size 180, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA183410-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	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	15.00 kW	977 r/min	31.00 A	0.770	90.50 %	146.00 N·m	5.80
D	--	50 Hz	230 V	15.00 kW	977 r/min	54.90 A	0.770	90.50 %	146.00 N·m	5.80
Y	--	50 Hz	415 V	15.00 kW	979 r/min	30.60 A	0.750	90.70 %	146.00 N·m	6.10
Y	--	60 Hz	440 V	15.00 kW	1178 r/min	27.60 A	0.780	91.40 %	121.00 N·m	6.10
Y	--	60 Hz	460 V	15.00 kW	1181 r/min	27.40 A	0.750	91.60 %	121.00 N·m	6.50

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%) 91.5 % Partial Load (50%) 91.0 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 91.4 % Partial Load (75%) 91.9 % Partial Load (50%) 91.4 %
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
Terminator Box Location	D-End top

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	148 kg
Gross Weight	158 kg

Environmental	
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)

Classifications	
UNSPSC	26101100

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

