



PRODUCT-DETAILS

3GAA184410-BDG
(3GAA184410-BDG)



General Information	
Product ID	3GAA184410-BDG
ABB Type Designation	M3AA 180MLA 8
Catalog Description	(3GAA184410-BDG)

Ordering	
ABB Type Designation	M3AA 180MLA 8
Invoice Description	M3AA 180MLA 8
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) China (CN) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA184061-BDA 3GAA184031-BDG

Electrical

Electrical Data										
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	11.00 kW	731 r/min	16.20 A	0.670	86.90 %	143.00 N·m	4.40
D	--	50 Hz	400 V	11.00 kW	731 r/min	27.30 A	0.670	86.90 %	143.00 N·m	4.40
D	--	50 Hz	415 V	11.00 kW	733 r/min	27.00 A	0.650	86.90 %	143.00 N·m	4.60
D	--	60 Hz	440 V	11.00 kW	883 r/min	24.00 A	0.680	88.30 %	118.00 N·m	4.60
D	--	60 Hz	460 V	11.00 kW	885 r/min	23.50 A	0.660	88.60 %	118.00 N·m	5.10
Temperature Class Default										--
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 86.9 % Partial Load (75%) 88.0 % Partial Load (50%) 87.1 %
IE Class Data (60 Hz)										IE Class IE1 Full Load (100%) 88.3 % Partial Load (75%) 89.2 % Partial Load (50%) 88.3 %
IP Class										IP55
Insulation Class										ICLF
Direction of Rotation										Both sides
Number of Poles (High)										8
Two Speed Motor										No
Type of Duty										S1
Voltage Code										D

Mechanical	
Frame Material	Aluminum
Frame Size	180
Bearing	6310-2Z/C3
Bearing NDE	6209-2Z/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions	
Package Level 1 Units	0 pallet (lift)
Product Net Weight	175 kg
Gross Weight	185 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

