



PRODUCT-DETAILS

3GAA164420-BDG  
(3GAA164420-BDG)



General Information

Product ID	3GAA164420-BDG
ABB Type Designation	M3AA 160MLB 8
Catalog Description	(3GAA164420-BDG)

Ordering

ABB Type Designation	M3AA 160MLB 8
Invoice Description	M3AA 160MLB 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	85015220
Replaced Product ID (OLD)	3GAA164062-BDA 3GAA164032-BDG

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	5.50 kW	726 r/min	8.39 A	0.670	84.60 %	72.30 N·m	5.60
D	--	50 Hz	400 V	5.50 kW	726 r/min	13.90 A	0.670	84.60 %	72.30 N·m	5.60
D	--	50 Hz	415 V	5.50 kW	728 r/min	14.10 A	0.640	84.50 %	72.30 N·m	5.70
D	--	60 Hz	440 V	5.50 kW	879 r/min	12.40 A	0.670	86.30 %	59.70 N·m	5.80
D	--	60 Hz	460 V	5.50 kW	881 r/min	12.20 A	0.650	86.40 %	59.60 N·m	6.20
Temperature Class Default										--
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 84.5 % Partial Load (75%) 85.4 % Partial Load (50%) 83.8 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 86.3 % Partial Load (75%) 86.9 % Partial Load (50%) 85.3 %
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	160
Bearing	6309-2Z/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	98 kg
Gross Weight	108 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
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## Categories

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

