

PRODUCT-DETAILS

3GAA164420-HDG

(3GAA164420-HDG)



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

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) Poland (PL)
Customs Tariff Number	85015220
Replaced Product ID (OLD)	3GAA164032-HDG

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	IMB35 IM2001
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	
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Categories

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

