



PRODUCT-DETAILS

3GAA209422-BDG

IE2 High Efficiency Aluminum Motors, 11/22 kW, 400 V (3GAA209422-BDG)



General Information	
Product ID	3GAA209422-BDG
ABB Type Designation	M3AA 200MLB 4/8
Catalog Description	IE2 High Efficiency Aluminum Motors, 11/22 kW, 400 V (3GAA209422-BDG)

Ordering	
ABB Type Designation	M3AA 200MLB 4/8
Invoice Description	M3AA 200MLB 4/8
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)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA208238-BDG
Medium Description	11/22kW, 4/8 Poles, Frame Size 200, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA209422-BDG)
Short Description	11/22kW, 4/8P, Frame Size 200, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical											
Electrical Data											
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	
D	--	50 Hz	400 V	22.00 kW	1482 r/min	39.80 A	0.900	88.50 %	142.00 N·m	7.60	
D	--	50 Hz	400 V	11.00 kW	740 r/min	24.40 A	0.760	85.50 %	143.00 N·m	6.00	
Connection Configuration										D	
Temperature Class Default										--	
Input Voltage (U _{in})										400 V	
Frequency (f)										50 Hz	
Output Power										11/22 kW	
Altitude										1000 m	
Ambient Temperature										40 °C	
IC Class										IC411	
IE Class Data (50 Hz)										IE Class NA Full Load (100%) 85.5 % Partial Load (75%) 86.8 % Partial Load (50%) 85.9 %	
IP Class										IP55	
Insulation Class										ICLF	
Direction of Rotation										Both sides	
Number of Poles (High)										4	
Two Speed Motor										Yes	
Type of Duty										S1	
Voltage Code										D	
Mechanical											
Frame Material										Aluminum	
Frame Size										200	
Bearing										6312-2Z/C3	
Bearing NDE										6210-2Z/C3	
IM Class										IMB5 IM3001	
Terminator Box Location										D-End top	
Dimensions											
Package Level 1 Units										0 pallet (lift)	
Product Net Depth / Length										821 mm	
Product Net Height										500 mm	
Product Net Width										385 mm	
Product Net Weight										245 kg	
Gross Weight										255 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

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

