

PRODUCT-DETAILS

3GAA169424-BDG

IE2 High Efficiency Aluminum Motors, 8.5/11.5 kW, 400 V (3GAA169424-BDG)



General Information	
Product ID	3GAA169424-BDG
ABB Type Designation	M3AA 160MLB 4/6
Catalog Description	IE2 High Efficiency Aluminum Motors, 8.5/11.5 kW, 400 V (3GAA169424-BDG)

Ordering	
ABB Type Designation	M3AA 160MLB 4/6
Invoice Description	M3AA 160MLB 4/6
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)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA168232-BDG
Medium Description	8.5/11.5kW, 4/6 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA169424-BDG)
Short Description	8.5/11.5kW, 4/6P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical											
Electrical Data											
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	
Y	--	50 Hz	400 V	11.50 kW	1482 r/min	23.20 A	0.800	89.30 %	74.00 N·m	7.40	
Y	--	50 Hz	400 V	8.50 kW	981 r/min	20.50 A	0.690	86.70 %	83.00 N·m	5.60	
Connection Configuration										Y	
Temperature Class Default										--	
Input Voltage (U _{in})										400 V	
Frequency (f)										50 Hz	
Output Power										8.5/11.5 kW	
Altitude										1000 m	
Ambient Temperature										40 °C	
IC Class										IC411	
IE Class Data (50 Hz)										IE Class NA Full Load (100%) 86.7 % Partial Load (75%) 87.5 % Partial Load (50%) 86.5 %	
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										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 Depth / Length										681 mm	
Product Net Height										370 mm	
Product Net Width										310 mm	
Product Net Weight										140 kg	
Gross Weight										150 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

