

PRODUCT-DETAILS

3GAA254230-BSG

IE2 High Efficiency Aluminum Motors, 45 kW, 400 V (3GAA254230-BSG)



General Information	
Product ID	3GAA254230-BSG
ABB Type Designation	M3AA 250SMC 8
Catalog Description	IE2 High Efficiency Aluminum Motors, 45 kW, 400 V (3GAA254230-BSG)

Ordering	
ABB Type Designation	M3AA 250SMC 8
Invoice Description	M3AA 250SMC 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)	3GAA254033-BSG
Medium Description	45kW, 8 Poles, Frame Size 250, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA254230-BSG)
Short Description	45kW, 8P, Frame Size 250, 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	45.00 kW	738 r/min	95.10 A	0.740	92.10 %	582.00 N·m	5.60	
D	--	50 Hz	230 V	45.00 kW	738 r/min	166.00 A	0.740	92.10 %	582.00 N·m	5.60	
Y	--	50 Hz	415 V	45.00 kW	739 r/min	95.60 A	0.710	92.10 %	582.00 N·m	5.80	
Y	--	60 Hz	440 V	45.00 kW	889 r/min	83.20 A	0.760	92.30 %	483.00 N·m	6.00	
Y	--	60 Hz	460 V	45.00 kW	891 r/min	81.70 A	0.740	92.30 %	482.00 N·m	6.40	
Connection Configuration										Y	
Temperature Class Default										--	
Input Voltage (U _{in})										400 V	
Frequency (f)										50 Hz	
Output Power										45 kW	
Altitude										1000 m	
Ambient Temperature										40 °C	
IC Class										IC411	
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 92.1 % Partial Load (75%) 93.1 % Partial Load (50%) 92.9 %	
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 92.3 % Partial Load (75%) 92.9 % Partial Load (50%) 92.3 %	
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										S	

Mechanical

Frame Material	Aluminum
Frame Size	250
Bearing	6315-2Z/C3
Bearing NDE	6213-2Z/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth /	884 mm

Length	
Product Net Height	627 mm
Product Net Width	473 mm
Product Net Weight	367 kg
Gross Weight	377 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

