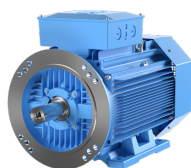


PRODUCT-DETAILS

3GAA221210-BDG (3GAA221210-BDG)



General Information

Product ID	3GAA221210-BDG
ABB Type Designation	M3AA 225SMA 2
Catalog Description	(3GAA221210-BDG)

Ordering

ABB Type Designation	M3AA 225SMA 2
Invoice Description	M3AA 225SMA 2
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	85015290
Replaced Product ID (OLD)	3GAA221031-BDG 3GAA221061-BDA
Stocked At (Warehouses)	Menden, Germany

Electrical

Electrical Data											
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	
Y	--	50 Hz	690 V	45.00 kW	2961 r/min	45.70 A	0.880	93.60 %	145.00 N·m	6.70	
D	--	50 Hz	400 V	45.00 kW	2961 r/min	78.80 A	0.880	93.60 %	145.00 N·m	6.70	
D	--	50 Hz	415 V	45.00 kW	2964 r/min	76.70 A	0.870	93.70 %	145.00 N·m	7.10	
D	--	60 Hz	440 V	45.00 kW	3562 r/min	71.10 A	0.890	93.30 %	120.00 N·m	7.10	
D	--	60 Hz	460 V	45.00 kW	3566 r/min	68.60 A	0.880	93.50 %	120.00 N·m	7.70	
Temperature Class Default										--	
Altitude										1000 m	
Ambient Temperature										40 °C	
IC Class										IC411	
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 93.6 % Partial Load (75%) 93.9 % Partial Load (50%) 93.1 %	
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 93.3 % Partial Load (75%) 93.1 % Partial Load (50%) 91.9 %	
IP Class										IP55	
Insulation Class										ICLF	
Direction of Rotation										Both sides	
Number of Poles (High)										2	
Two Speed Motor										No	
Type of Duty										S1	
Voltage Code										D	

Mechanical	
Frame Material	Aluminum
Frame Size	225
Bearing	6313-2Z/C3
Bearing NDE	6212-2Z/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions	
Package Level 1 Units	0 pallet (lift)
Product Net Weight	263 kg
Gross Weight	273 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

