

PRODUCT-DETAILS

3GAA221220-HDG
(3GAA221220-HDG)



General Information	
Product ID	3GAA221220-HDG
ABB Type Designation	M3AA 225SMB 2
Catalog Description	(3GAA221220-HDG)

Ordering	
ABB Type Designation	M3AA 225SMB 2
Invoice Description	M3AA 225SMB 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)	3GAA221032-HDG

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	55.00 kW	2961 r/min	55.70 A	0.880	93.90 %	177.00 N·m	6.50
D	--	50 Hz	400 V	55.00 kW	2961 r/min	96.00 A	0.880	93.90 %	177.00 N·m	6.50
D	--	50 Hz	415 V	55.00 kW	2965 r/min	93.40 A	0.870	94.10 %	177.00 N·m	7.00
D	--	60 Hz	440 V	55.00 kW	3563 r/min	86.50 A	0.890	93.70 %	147.00 N·m	6.80
D	--	60 Hz	460 V	55.00 kW	3567 r/min	82.60 A	0.890	93.90 %	147.00 N·m	7.50
Temperature Class Default										--
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 93.9 % Partial Load (75%) 94.3 % Partial Load (50%) 93.6 %
IE Class Data (60 Hz)										IE Class IE3 Full Load (100%) 93.7 % Partial Load (75%) 93.6 % Partial Load (50%) 92.5 %
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	IMB35 IM2001
Terminator Box Location	D-End top

Dimensions	
Package Level 1 Units	0 pallet (lift)
Product Net Weight	286 kg
Gross Weight	296 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

