

PRODUCT-DETAILS

3GAA224220-BDG

(3GAA224220-BDG)



General Information

Product ID	3GAA224220-BDG
ABB Type Designation	M3AA 225SMB 8
Catalog Description	(3GAA224220-BDG)

Ordering

ABB Type Designation	M3AA 225SMB 8
Invoice Description	M3AA 225SMB 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) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA224032-BDG 3GAA224062-BDA

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	22.00 kW	738 r/min	27.30 A	0.740	90.50 %	284.00 N·m	5.50
D	--	50 Hz	400 V	22.00 kW	738 r/min	46.80 A	0.740	90.50 %	284.00 N·m	5.50
D	--	50 Hz	415 V	22.00 kW	739 r/min	46.30 A	0.720	90.50 %	284.00 N·m	5.80
D	--	60 Hz	440 V	22.00 kW	889 r/min	42.30 A	0.740	91.60 %	236.00 N·m	5.70
D	--	60 Hz	460 V	22.00 kW	890 r/min	40.80 A	0.730	91.60 %	236.00 N·m	6.30
Temperature Class										--
Default										
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 90.5 % Partial Load (75%) 91.2 % Partial Load (50%) 90.4 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 91.6 % Partial Load (75%) 91.9 % Partial Load (50%) 90.8 %
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										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	279 kg
Gross Weight	289 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

