

PRODUCT-DETAILS

3GAA254220-BDG  
(3GAA254220-BDG)



General Information	
Product ID	3GAA254220-BDG
ABB Type Designation	M3AA 250SMB 8
Catalog Description	(3GAA254220-BDG)

Ordering	
ABB Type Designation	M3AA 250SMB 8
Invoice Description	M3AA 250SMB 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)	3GAA254032-BDG

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	37.00 kW	740 r/min	45.70 A	0.730	91.70 %	477.00 N·m	5.40
D	--	50 Hz	400 V	37.00 kW	740 r/min	78.90 A	0.730	91.70 %	477.00 N·m	5.40
D	--	50 Hz	415 V	37.00 kW	741 r/min	78.10 A	0.710	91.70 %	477.00 N·m	5.70
D	--	60 Hz	440 V	37.00 kW	890 r/min	71.10 A	0.730	92.30 %	396.00 N·m	5.60
D	--	60 Hz	460 V	37.00 kW	891 r/min	68.90 A	0.720	92.30 %	396.00 N·m	6.10
Temperature Class Default										--
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 91.7 % Partial Load (75%) 92.6 % Partial Load (50%) 92.1 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 92.3 % Partial Load (75%) 92.7 % Partial Load (50%) 92.0 %
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	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 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

