



PRODUCT-DETAILS

3GAA283210-BDG
(3GAA283210-BDG)



General Information

Product ID	3GAA283210-BDG
ABB Type Designation	M3AA 280SMA 6
Catalog Description	(3GAA283210-BDG)

Ordering

ABB Type Designation	M3AA 280SMA 6
Invoice Description	M3AA 280SMA 6
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)	3GAA283031-BDG

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	988 r/min	48.10 A	0.840	93.20 %	434.00 N·m	6.80
D	--	50 Hz	400 V	45.00 kW	988 r/min	82.90 A	0.840	93.20 %	434.00 N·m	6.80
D	--	50 Hz	415 V	45.00 kW	990 r/min	80.90 A	0.830	93.20 %	434.00 N·m	7.20
D	--	60 Hz	440 V	45.00 kW	1189 r/min	75.10 A	0.840	93.60 %	361.00 N·m	7.00
D	--	60 Hz	460 V	45.00 kW	1190 r/min	72.50 A	0.830	93.80 %	361.00 N·m	7.60
Temperature Class Default										--
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 93.2 % Partial Load (75%) 94.0 % Partial Load (50%) 93.7 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 93.6 % Partial Load (75%) 94.2 % Partial Load (50%) 93.8 %
IP Class										IP55
Insulation Class										ICLF
Direction of Rotation										Both sides
Number of Poles (High)										6
Two Speed Motor										No
Type of Duty										S1
Voltage Code										D

Mechanical

Frame Material	Aluminum
Frame Size	280
Bearing	6316/C3
Bearing NDE	6213/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Weight	378 kg
Gross Weight	398 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
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Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Aluminum Motors

