



PRODUCT-DETAILS

3GAA181420-BDG  
(3GAA181420-BDG)



General Information

Product ID	3GAA181420-BDG
ABB Type Designation	M3AA 180MLB 2
Catalog Description	(3GAA181420-BDG)

Ordering

ABB Type Designation	M3AA 180MLB 2
Invoice Description	M3AA 180MLB 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) China (CN) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA181032-BDG 3GAA181062-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	30.00 kW	2950 r/min	30.70 A	0.880	92.70 %	97.10 N·m	7.90
D	--	50 Hz	400 V	30.00 kW	2950 r/min	53.00 A	0.880	92.70 %	97.10 N·m	7.90
D	--	50 Hz	415 V	30.00 kW	2955 r/min	52.10 A	0.860	92.90 %	97.10 N·m	8.30
D	--	60 Hz	440 V	30.00 kW	3553 r/min	47.10 A	0.900	92.70 %	80.60 N·m	8.10
D	--	60 Hz	460 V	30.00 kW	3558 r/min	45.40 A	0.890	93.00 %	80.50 N·m	9.20
Temperature Class Default										--
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 92.7 % Partial Load (75%) 93.5 % Partial Load (50%) 93.3 %
IE Class Data (60 Hz)										IE Class IE3 Full Load (100%) 92.7 % Partial Load (75%) 93.1 % 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	180
Bearing	6310-2Z/C3
Bearing NDE	6209-2Z/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Weight	149 kg
Gross Weight	159 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

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

