



PRODUCT-DETAILS

3GAA169412-BDG
(3GAA169412-BDG)



General Information

Product ID	3GAA169412-BDG
ABB Type Designation	M3AA 160MLA 4/8
Catalog Description	(3GAA169412-BDG)

Ordering

ABB Type Designation	M3AA 160MLA 4/8
Invoice Description	M3AA 160MLA 4/8
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)
Customs Tariff Number	85015220
Replaced Product ID (OLD)	3GAA168233-BDG

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	5.50 kW	1483 r/min	11.80 A	0.770	87.30 %	35.00 N·m	7.70
Y	--	50 Hz	400 V	2.70 kW	738 r/min	9.70 A	0.520	76.80 %	35.00 N·m	4.40

Temperature Class	--
Default	
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class NA Full Load (100%) 76.8 % Partial Load (75%) 75.1 % Partial Load (50%) 69.9 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	4
Two Speed Motor	Yes
Type of Duty	S1
Voltage Code	D

Mechanical

Frame Material	Aluminum
Frame Size	160
Bearing	6309-2Z/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	99 kg
Gross Weight	109 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

