



PRODUCT-DETAILS

3GAA162410-HDG
(3GAA162410-HDG)



General Information

Product ID	3GAA162410-HDG
ABB Type Designation	M3AA 160MLA 4
Catalog Description	(3GAA162410-HDG)

Ordering

ABB Type Designation	M3AA 160MLA 4
Invoice Description	M3AA 160MLA 4
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	Spain (ES) Finland (FI) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA162031-HDG

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	11.00 kW	1466 r/min	12.10 A	0.840	90.40 %	71.60 N·m	6.80
D	--	50 Hz	400 V	11.00 kW	1466 r/min	20.90 A	0.840	90.40 %	71.60 N·m	6.80
D	--	50 Hz	415 V	11.00 kW	1470 r/min	20.30 A	0.830	90.70 %	71.60 N·m	7.30
D	--	60 Hz	440 V	11.00 kW	1769 r/min	18.80 A	0.840	91.00 %	59.30 N·m	7.10
D	--	60 Hz	460 V	11.00 kW	1772 r/min	18.20 A	0.830	91.30 %	59.20 N·m	7.70
Temperature Class Default										--
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 90.4 % Partial Load (75%) 91.6 % Partial Load (50%) 91.4 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 91.0 % Partial Load (75%) 91.6 % Partial Load (50%) 90.8 %
IP Class										IP55
Insulation Class										ICLF
Direction of Rotation										Both sides
Number of Poles (High)										4
Two Speed Motor										No
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	IMB35 IM2001
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

