



PRODUCT-DETAILS

3GAA181410-HDG
(3GAA181410-HDG)



General Information

Product ID	3GAA181410-HDG
ABB Type Designation	M3AA 180MLA 2
Catalog Description	(3GAA181410-HDG)

Ordering

ABB Type Designation	M3AA 180MLA 2
Invoice Description	M3AA 180MLA 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) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA181031-HDG

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	22.00 kW	2952 r/min	22.90 A	0.870	92.20 %	71.10 N·m	7.70
D	--	50 Hz	400 V	22.00 kW	2952 r/min	39.50 A	0.870	92.20 %	71.10 N·m	7.70
D	--	50 Hz	415 V	22.00 kW	2956 r/min	39.00 A	0.850	92.20 %	71.10 N·m	8.10
D	--	60 Hz	440 V	22.00 kW	3554 r/min	35.50 A	0.880	92.20 %	59.10 N·m	8.10
D	--	60 Hz	460 V	22.00 kW	3559 r/min	34.30 A	0.870	92.40 %	59.00 N·m	8.80

Temperature Class Default	--
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 92.2 % Partial Load (75%) 92.6 % Partial Load (50%) 91.9 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 92.2 % Partial Load (75%) 92.4 % Partial Load (50%) 91.4 %
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	IMB35 IM2001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Weight	132 kg
Gross Weight	142 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

