



PRODUCT-DETAILS

3GAA164430-HDG
(3GAA164430-HDG)



General Information

Product ID	3GAA164430-HDG
ABB Type Designation	M3AA 160MLC 8
Catalog Description	(3GAA164430-HDG)

Ordering

ABB Type Designation	M3AA 160MLC 8
Invoice Description	M3AA 160MLC 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) Poland (PL)
Customs Tariff Number	85015220
Replaced Product ID (OLD)	3GAA164033-HDG

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	7.50 kW	727 r/min	11.50 A	0.650	86.00 %	98.50 N·m	4.70
D	--	50 Hz	400 V	7.50 kW	727 r/min	19.30 A	0.650	86.00 %	98.50 N·m	4.70
D	--	50 Hz	415 V	7.50 kW	730 r/min	19.10 A	0.630	86.50 %	98.50 N·m	4.90
D	--	60 Hz	440 V	7.50 kW	879 r/min	17.50 A	0.640	87.40 %	81.40 N·m	4.70
D	--	60 Hz	460 V	7.50 kW	882 r/min	17.00 A	0.630	87.70 %	81.20 N·m	5.10
Temperature Class Default										--
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 86.0 % Partial Load (75%) 87.3 % Partial Load (50%) 86.5 %
IE Class Data (60 Hz)										IE Class IE1 Full Load (100%) 87.4 % Partial Load (75%) 88.0 % Partial Load (50%) 86.7 %
IP Class										IP55
Insulation Class										ICLF
Direction of Rotation										Both sides
Number of Poles (High)										8
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	137 kg
Gross Weight	147 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
--------	----------

Categories

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

