

PRODUCT-DETAILS

3GAA164430-HSG

IE2 High Efficiency Aluminum Motors, 7.5 kW, 400 V (3GAA164430-HSG)



General Information	
Product ID	3GAA164430-HSG
ABB Type Designation	M3AA 160MLC 8
Catalog Description	IE2 High Efficiency Aluminum Motors, 7.5 kW, 400 V (3GAA164430-HSG)

Ordering	
ABB Type Designation	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)
Customs Tariff Number	85015220
Medium Description	7.5kW, 8 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA164430-HSG)
Short Description	7.5kW, 8P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB35/IM2001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	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	230 V	7.50 kW	727 r/min	34.40 A	0.650	86.00 %	98.50 N·m	4.70
Y	--	50 Hz	415 V	7.50 kW	730 r/min	19.10 A	0.630	86.50 %	98.50 N·m	4.90
Y	--	60 Hz	440 V	7.50 kW	879 r/min	17.50 A	0.640	87.40 %	81.40 N·m	4.70
Y	--	60 Hz	460 V	7.50 kW	882 r/min	17.00 A	0.630	87.70 %	81.20 N·m	5.10
Connection Configuration										Y
Temperature Class Default										--
Input Voltage (U _{in})										400 V
Frequency (f)										50 Hz
Output Power										7.5 kW
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										S

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 Depth / Length	681 mm
Product Net Height	370 mm
Product Net Width	310.5 mm
Product Net Weight	137 kg
Gross Weight	147 kg

Environmental	
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	

