

PRODUCT-DETAILS

3GAA181430-HSK

IE3 Premium Efficiency Aluminum Motors, 37 kW, 400 V (3GAA181430-HSK)



General Information	
Product ID	3GAA181430-HSK
ABB Type Designation	M3AA 180MLC 2
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 37 kW, 400 V (3GAA181430-HSK)

Ordering	
ABB Type Designation	M3AA 180MLC 2
Invoice Description	M3AA 180MLC 2
Product Name	3-Phase squirrel cage motor
Product Type	3AA3_M3AA_IE3_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	85015230
Replaced Product ID (OLD)	3GAA181053-HSK
Medium Description	37kW, 2 Poles, Frame Size 180, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA181430-HSK)
Short Description	37kW, 2P, Frame Size 180, 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	37.00 kW	2950 r/min	66.00 A	0.860	93.70 %	119.50 N·m	8.50	
D	--	50 Hz	230 V	37.00 kW	2950 r/min	114.00 A	0.860	93.70 %	119.50 N·m	8.50	
Y	--	50 Hz	380 V	37.00 kW	2945 r/min	68.10 A	0.880	93.70 %	119.73 N·m	7.70	
D	--	50 Hz	220 V	37.00 kW	2945 r/min	118.00 A	0.880	93.70 %	119.73 N·m	7.70	
Y	--	50 Hz	415 V	37.00 kW	2954 r/min	65.10 A	0.840	93.70 %	119.50 N·m	8.90	
Y	--	60 Hz	460 V	37.00 kW	3564 r/min	57.00 A	0.860	93.00 %	99.12 N·m	9.70	
Connection Configuration										Y	
Temperature Class Default										--	
Input Voltage (U _{in})										400 V	
Frequency (f)										50 Hz	
Output Power										37 kW	
Altitude										1000 m	
Ambient Temperature										40 °C	
IC Class										IC411	
IE Class Data (50 Hz)										IE Class IE3 Full Load (100%) 93.7 % Partial Load (75%) 94.1 % Partial Load (50%) 93.9 %	
IE Class Data (60 Hz)										IE Class IE3 Full Load (100%) 93.0 % Partial Load (75%) 93.2 % Partial Load (50%) 92.7 %	
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										S	
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 Depth / Length	726 mm
Product Net Height	405 mm
Product Net Width	341 mm
Product Net Weight	176 kg
Gross Weight	186 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 → IE3 Premium Efficiency Aluminum Motors

