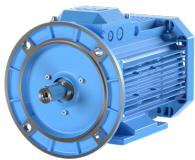




PRODUCT-DETAILS

3GAA101530-HDK

IE3 Premium Efficiency Aluminum Motors, 3 kW, 400 V (3GAA101530-HDK)



General Information	
Product ID	3GAA101530-HDK
ABB Type Designation	M3AA 100LC 2
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 3 kW, 400 V (3GAA101530-HDK)

Ordering	
ABB Type Designation	M3AA 100LC 2
Invoice Description	M3AA 100LC 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	85015220
Medium Description	3kW, 2 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA101530-HDK)
Short Description	3kW, 2P, Frame Size 100, 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	690 V	3.00 kW	2896 r/min	3.10 A	0.900	87.10 %	9.80 N·m	8.40
D	--	50 Hz	400 V	3.00 kW	2896 r/min	5.40 A	0.900	87.10 %	9.80 N·m	8.40
Y	--	50 Hz	660 V	3.00 kW	2877 r/min	3.30 A	0.920	87.10 %	9.90 N·m	7.60
D	--	50 Hz	380 V	3.00 kW	2877 r/min	5.70 A	0.920	87.10 %	9.90 N·m	7.60
D	--	50 Hz	415 V	3.00 kW	2906 r/min	5.20 A	0.900	87.10 %	9.80 N·m	9.00
D	--	60 Hz	460 V	3.00 kW	3512 r/min	4.70 A	0.890	88.50 %	8.10 N·m	9.90
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U _{in})										400 V
Frequency (f)										50 Hz
Output Power										3 kW
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE3 Full Load (100%) 87.1 % Partial Load (75%) 87.9 % Partial Load (50%) 87.3 %
IE Class Data (60 Hz)										IE Class IE3 Full Load (100%) 88.5 % Partial Load (75%) 88.7 % Partial Load (50%) 87.3 %
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	100
Bearing	6306-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB35 IM2001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth /	432 mm

Length	
Product Net Height	237 mm
Product Net Width	200 mm
Product Net Weight	28 kg
Gross Weight	33 kg

Environmental	
WEEE Category	5. Small Equipment (No 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 → IE3 Premium Efficiency Aluminum Motors	

