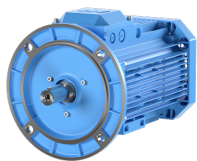




PRODUCT-DETAILS

3GAA104570-BDE

IE2 High Efficiency Aluminum Motors, 1.5 kW,  
400 V (3GAA104570-BDE)



General Information

Product ID	3GAA104570-BDE
ABB Type Designation	M3AA 100LG 8
Catalog Description	IE2 High Efficiency Aluminum Motors, 1.5 kW, 400 V (3GAA104570-BDE)

Ordering

ABB Type Designation	M3AA 100LG 8
Invoice Description	M3AA 100LG 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
Medium Description	1.5kW, 8 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA104570-BDE)
Short Description	1.5kW, 8P, Frame Size 100, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	1.50 kW	685 r/min	2.77 A	0.640	70.70 %	20.90 N·m	3.10
D	--	50 Hz	400 V	1.50 kW	685 r/min	4.70 A	0.640	70.70 %	20.90 N·m	3.10
D	--	60 Hz	460 V	1.50 kW	845 r/min	4.00 A	0.600	76.60 %	16.90 N·m	3.70

Connection Configuration	D
Temperature Class	--
Default	
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	1.5 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE1 Full Load (100%) 70.7 % Partial Load (75%) 70.9 % Partial Load (50%) 67.3 %
IE Class Data (60 Hz)	IE Class NA Full Load (100%) 76.6 % Partial Load (75%) 75.6 % Partial Load (50%) 71.7 %
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	100
Bearing	6306-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	351 mm
Product Net Height	237 mm
Product Net Width	200 mm
Product Net Weight	26 kg
Gross Weight	31 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 → IE2 High Efficiency Aluminum Motors

