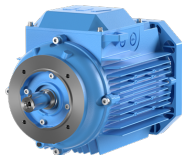


PRODUCT-DETAILS

3GAA114300-CDE

IE2 High Efficiency Aluminum Motors, 1.5 kW, 400 V (3GAA114300-CDE)



General Information	
Product ID	3GAA114300-CDE
ABB Type Designation	M3AA 112M 8
Catalog Description	IE2 High Efficiency Aluminum Motors, 1.5 kW, 400 V (3GAA114300-CDE)

Ordering	
ABB Type Designation	M3AA 112M 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
Replaced Product ID (OLD)	3GAA114061-CDA
Medium Description	1.5kW, 8 Poles, Frame Size 112, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB14/IM3601 Mounting (3GAA114300-CDE)
Short Description	1.5kW, 8P, Frame Size 112, 3PH, 400V, 50Hz, IP55, IMB14/IM3601

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	690 r/min	2.40 A	0.700	74.40 %	20.70 N·m	3.20
D	--	50 Hz	400 V	1.50 kW	690 r/min	4.10 A	0.700	74.40 %	20.70 N·m	3.20
D	--	60 Hz	460 V	1.50 kW	855 r/min	3.90 A	0.610	78.60 %	16.70 N·m	4.20

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	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 IE2 Full Load (100%) 74.4 % Partial Load (75%) 74.1 % Partial Load (50%) 70.5 %
IE Class Data (60 Hz)	IE Class IE1 Full Load (100%) 78.6 % Partial Load (75%) 77.5 % Partial Load (50%) 73.2 %
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	112
Bearing	6306-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB14 IM3601
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	393 mm
Product Net Height	249 mm
Product Net Width	230 mm
Product Net Weight	28 kg
Gross Weight	33 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	

