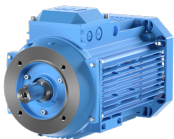




PRODUCT-DETAILS

# 3GAA091530-CDK

## IE3 Premium Efficiency Aluminum Motors, 2.2 kW, 400 V (3GAA091530-CDK)



General Information	
Product ID	3GAA091530-CDK
ABB Type Designation	M3AA 90LC 2
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 2.2 kW, 400 V (3GAA091530-CDK)

Ordering	
ABB Type Designation	M3AA 90LC 2
Invoice Description	M3AA 90LC 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	China (CN) Finland (FI) Romania (RO)
Customs Tariff Number	85015220
Stocked At (Warehouses)	Menden, Germany Sant Quirze del Vallés - BCN, Spain
Medium Description	2.2kW, 2 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure,

IMB14/IM3601 Mounting (3GAA091530-CDK)	
Short Description	2.2kW, 2P, Frame Size 90, 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	2.20 kW	2900 r/min	2.30 A	0.890	85.90 %	7.20 N·m	8.30
D	--	50 Hz	400 V	2.20 kW	2900 r/min	4.00 A	0.890	85.90 %	7.20 N·m	8.30
Y	--	50 Hz	660 V	2.20 kW	2884 r/min	2.40 A	0.900	85.90 %	7.20 N·m	7.50
D	--	50 Hz	380 V	2.20 kW	2884 r/min	4.30 A	0.900	85.90 %	7.20 N·m	7.50
D	--	50 Hz	415 V	2.20 kW	2910 r/min	3.90 A	0.880	85.90 %	7.20 N·m	8.90
D	--	60 Hz	460 V	2.20 kW	3517 r/min	3.50 A	0.880	86.50 %	5.90 N·m	9.90

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	2.2 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 85.9 % Partial Load (75%) 87.1 % Partial Load (50%) 86.9 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 86.5 % Partial Load (75%) 87.1 % Partial Load (50%) 85.8 %
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	90
Bearing	6205-2Z/C3
Bearing NDE	6204-2Z/C3
IM Class	IMB14 IM3601
Terminator Box Location	D-End top

Dimensions	
Package Level 1 Units	0 carton
Product Net Depth / Length	331.5 mm
Product Net Height	217 mm
Product Net Width	170 mm
Product Net Weight	20 kg
Gross Weight	23 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	

