



PRODUCT-DETAILS

3GAA091530-BEK

IE3 Premium Efficiency Aluminum Motors, 2.2 kW, 500 V (3GAA091530-BEK)



General Information	
Product ID	3GAA091530-BEK
ABB Type Designation	M3AA 90LC 2
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 2.2 kW, 500 V (3GAA091530-BEK)

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	Finland (FI)
Customs Tariff Number	85015220
Medium Description	2.2kW, 2 Poles, Frame Size 90, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA091530-BEK)
Short Description	2.2kW, 2P, Frame Size 90, 3PH, 500V, 50Hz, IP55, IMB5/IM3001

Electrical											
Electrical Data											
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	
D	--	50 Hz	500 V	2.20 kW	2900 r/min	3.20 A	0.890	85.90 %	7.20 N·m	8.30	
D	--	60 Hz	575 V	2.20 kW	3517 r/min	2.80 A	0.880	86.50 %	5.90 N·m	9.90	
Connection Configuration											D
Temperature Class Default											--
Input Voltage (U _{in})											500 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%) 87.4 % Partial Load (50%) 87.5 %
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											E

Mechanical	
Frame Material	Aluminum
Frame Size	90
Bearing	6205-2Z/C3
Bearing NDE	6204-2Z/C3
IM Class	IMB5 IM3001
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	

