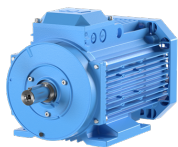




PRODUCT-DETAILS

# 3GAA091540-AEK

## IE3 Premium Efficiency Aluminum Motors, 2.75 kW, 500 V (3GAA091540-AEK)



General Information	
Product ID	3GAA091540-AEK
ABB Type Designation	M3AA 90LD 2
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 2.75 kW, 500 V (3GAA091540-AEK)

Ordering	
ABB Type Designation	M3AA 90LD 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	2.75kW, 2 Poles, Frame Size 90, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA091540-AEK)
Short Description	2.75kW, 2P, Frame Size 90, 3PH, 500V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data											
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	
D	--	50 Hz	500 V	2.75 kW	2872 r/min	4.40 A	0.830	87.10 %	9.14 N·m	7.50	
D	--	60 Hz	575 V	2.75 kW	3471 r/min	3.83 A	0.820	88.00 %	7.53 N·m	8.80	
Connection Configuration											D
Temperature Class Default											--
Input Voltage (U <sub>in</sub> )											500 V
Frequency (f)											50 Hz
Output Power											2.75 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%) 87.5 % Partial Load (50%) 86.4 %
IE Class Data (60 Hz)											IE Class IE3 Full Load (100%) 88.0 % Partial Load (75%) 87.9 % Partial Load (50%) 86.3 %
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											E

Mechanical

Frame Material	Aluminum
Frame Size	90
Bearing	6205-2Z/C3
Bearing NDE	6204-2Z/C3
IM Class	IMB3 IM1001
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	19.5 kg
Gross Weight	22.5 kg

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**Classifications**

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UNSPSC

26101100

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**Categories**

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Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE3 Premium Efficiency Aluminum Motors

