



PRODUCT-DETAILS

3GAA091520-BDK

IE3 Premium Efficiency Aluminum Motors, 1.5 kW, 400 V (3GAA091520-BDK)



General Information	
Product ID	3GAA091520-BDK
ABB Type Designation	M3AA 90LB 2
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 1.5 kW, 400 V (3GAA091520-BDK)

Ordering	
ABB Type Designation	M3AA 90LB 2
Invoice Description	M3AA 90LB 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) Romania (RO)
Customs Tariff Number	85015220
Stocked At (Warehouses)	Menden, Germany
Medium Description	1.5kW, 2 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA091520-BDK)

Short Description

1.5kW, 2P, Frame Size 90, 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	2906 r/min	1.62 A	0.890	84.20 %	4.90 N·m	7.90
D	--	50 Hz	400 V	1.50 kW	2906 r/min	2.80 A	0.890	84.20 %	4.90 N·m	7.90
Y	--	50 Hz	660 V	1.50 kW	2894 r/min	1.67 A	0.900	84.20 %	4.90 N·m	7.30
D	--	50 Hz	380 V	1.50 kW	2894 r/min	2.89 A	0.900	84.20 %	4.90 N·m	7.30
D	--	50 Hz	415 V	1.50 kW	2914 r/min	2.70 A	0.880	84.20 %	4.90 N·m	8.50
D	--	60 Hz	460 V	1.50 kW	3522 r/min	2.40 A	0.880	85.50 %	4.00 N·m	9.60

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 IE3 Full Load (100%) 84.2 % Partial Load (75%) 84.7 % Partial Load (50%) 84.2 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 85.5 % Partial Load (75%) 85.3 % Partial Load (50%) 84.0 %
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	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	17 kg
Gross Weight	20 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	

