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 PRODUCT-DETAILS

## 3GAA131120-ADE436

### IE2 High Efficiency Aluminum Motors, 5.5 kW, 400 V (3GAA131120-ADE436)




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**General Information**

Product ID	3GAA131120-ADE436
ABB Type Designation	M3AA 132SB 2
Catalog Description	IE2 High Efficiency Aluminum Motors, 5.5 kW, 400 V (3GAA131120-ADE436)

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**Ordering**

ABB Type Designation	M3AA 132SB 2
Invoice Description	M3AA 132SB 2
Product Name	3-Phase squirrel cage motor
Product Type	3AA2__M3AA_IE2_AA
Made To Order	No
Minimum Order Quantity	12 piece
Order Multiple	12 piece
Selling Unit of Measure	piece
Country of Origin	China (CN)
Customs Tariff Number	85015220
Stocked At (Warehouses)	Menden, Germany
Medium Description	5.5kW, 2P, Frame Size 132, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA131120-ADE436)

Short Description 5.5kW, 2P, Frame Size 132, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

## Electrical

### Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	5.50 kW	2915 r/min	6.10 A	0.820	88.00 %	18.00 N·m	7.90
D	--	50 Hz	400 V	5.50 kW	2915 r/min	11.00 A	0.820	88.00 %	18.00 N·m	7.90
D	--	60 Hz	460 V	5.50 kW	3515 r/min	9.00 A	0.860	88.50 %	14.90 N·m	8.50

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	5.5 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 88.0 % Partial Load (75%) 88.2 % Partial Load (50%) 86.9 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 88.5 % Partial Load (75%) 87.8 % Partial Load (50%) 85.3 %
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	D

## Mechanical

Frame Material	Aluminum
Frame Size	132
Bearing	6208-2Z/C3
Bearing NDE	6206-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

## Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	487 mm
Product Net Height	296 mm
Product Net Width	262 mm
Product Net Weight	52 kg
Gross Weight	57 kg

## Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
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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 → IE2 High Efficiency Aluminum Motors

