

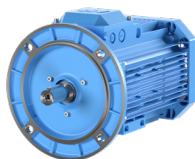



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 PRODUCT-DETAILS

## 3GAA071003-BSE

IE2 High Efficiency Aluminum Motors, 0.75 kW,  
400 V (3GAA071003-BSE)




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**General Information**

Product ID	3GAA071003-BSE
ABB Type Designation	M3AA 71C 2
Catalog Description	IE2 High Efficiency Aluminum Motors, 0.75 kW, 400 V (3GAA071003-BSE)

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**Ordering**

ABB Type Designation	M3AA 71C 2
Invoice Description	M3AA 71C 2
Product Name	3-Phase squirrel cage motor
Product Type	3AA2_M3AA_IE2_AA
Country or Territory of Origin	Italy Finland Romania
Customs Tariff Number	85015100
Replaced Product ID (OLD)	3GAA071063-BSA 3GVA071003-BSD
Stocked At (Warehouses)	Menden, Germany
Medium Description	0.75kW, 2 Poles, Frame Size 71, 3 Phases, 400V, 50Hz, IP55 Enclosure,

IMB5/IM3001 Mounting (3GAA071003-BSE)

Short Description 0.75kW, 2P, Frame Size 71, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

## Electrical

### Electrical Data

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	0.75 kW	2780 r/min	1.81 A	0.790	75.70 %	2.50 N·m	5.30
D	--	50 Hz	230 V	0.75 kW	2780 r/min	3.15 A	0.790	75.70 %	2.50 N·m	5.30
Y	--	60 Hz	460 V	0.75 kW	3415 r/min	1.51 A	0.780	79.40 %	2.00 N·m	6.60

Connection Configuration Y

Temperature Class Default --

Input Voltage (U<sub>in</sub>) 400 V

Frequency (f) 50 Hz

Output Power 0.75 kW

Altitude 1000 m

Ambient Temperature 40 °C

IC Class IC411

IE Class Data (50 Hz) IE Class IE1  
 Full Load (100%) 75.7 %  
 Partial Load (75%) 78.7 %  
 Partial Load (50%) 77.8 %

IE Class Data (60 Hz) IE Class IE3  
 Full Load (100%) 79.4 %  
 Partial Load (75%) 80.2 %  
 Partial Load (50%) 78.1 %

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 S

## Mechanical

Frame Material Aluminum

Frame Size 71

Bearing 6202-2Z C3

Bearing NDE 6202-2Z C3

Lubrication For life

IM Class IMB5 IM3001

Terminator Box Location Top

## Dimensions

Product Net Depth / Length 239.5 mm

Product Net Height 180 mm

Product Net Width	136 mm
Product Net Weight	6.5 kg
Gross Weight	9.5 kg

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## Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland

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## External Classifications and Standards

Standards	IEC 60034-1
UNSPSC	26101100

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## Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Aluminum Motors

