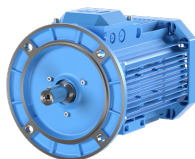


PRODUCT-DETAILS

# 3GAA084001-BSE

## IE2 High Efficiency Aluminum Motors, 0.18 kW, 400 V (3GAA084001-BSE)



### General Information

Product ID	3GAA084001-BSE
ABB Type Designation	M3AA 80A 8
Catalog Description	IE2 High Efficiency Aluminum Motors, 0.18 kW, 400 V (3GAA084001-BSE)

### Additional Information

ABB Type Designation	M3AA 80A 8
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6204-2Z/C3
Bearing NDE	6203-2Z/C3
Connection Configuration	Y
Country of Origin	Italy (IT) China (CN) Romania (RO)
Customs Tariff Number	85015100

### Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	0.18 kW	665 r/min	0.77 A	0.630	45.90 %	2.58 N·m	2.50
D	--	50 Hz	230 V	0.18 kW	665 r/min	1.33 A	0.630	45.90 %	2.58 N·m	2.50
Y	--	60 Hz	460 V	0.18 kW	835 r/min	0.69 A	0.550	46.00 %	2.05 N·m	3.00

Frame Material	Aluminum
Frame Size	80
Frequency (f)	50 Hz
Gross Weight	11.5 kg

IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 45.9 % Partial Load (75%) 46.6 % Partial Load (50%) 40.3 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 46.0 % Partial Load (75%) 43.5 % Partial Load (50%) 35.0 %
IM Class	IMB5 IM3001
Input Voltage (U <sub>in</sub> )	400 V
Insulation Class	ICLF
Invoice Description	M3AA 80A 8
IP Class	IP55
Lubrication	For life
Made To Order	No
Medium Description	0.18kW, 8 Poles, Frame Size 80, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA084001-BSE)
Minimum Order Quantity	1 piece
Number of Poles (High)	8
Order Multiple	1 piece
Output Power	0.18 kW
Package Level 1 Units	0 carton
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	292.5 mm
Product Net Height	193.5 mm
Product Net Weight	8.5 kg
Product Net Width	154 mm
Product Type	3AA2 M3AA IE2 AA
Quote Only	No
Replaced Product ID (OLD)	3GAA084061-BSA 3GVA084001-BSC
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)
Selling Unit of Measure	piece
Short Description	0.18kW, 8P, Frame Size 80, 3PH, 400V, 50Hz, IP55, IMB5/IM3001
Standards	IEC 60034-1
Starting of Motor	Direct Online
Stocked At (Warehouses)	Menden, Germany Shanghai, China Vittuone, Italy
Temperature Class Default	--
Terminator Box Location	Top
Two Speed Motor	No
Type of Duty	S1
UNSPSC	26101100
Voltage Code	S
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

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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

