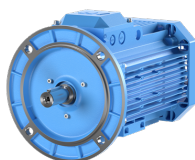


PRODUCT-DETAILS

## 3GAA094500-BDE

### IE2 High Efficiency Aluminum Motors, 0.55 kW, 400 V (3GAA094500-BDE)



#### General Information

Product ID	3GAA094500-BDE
ABB Type Designation	M3AA 90L 8
Catalog Description	IE2 High Efficiency Aluminum Motors, 0.55 kW, 400 V (3GAA094500-BDE)

#### Additional Information

ABB Type Designation	M3AA 90L 8
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6205-2Z/C3
Bearing NDE	6204-2Z/C3
Connection Configuration	D
Country of Origin	Finland (FI) China (CN) Romania (RO) Poland (PL)
Customs Tariff Number	85015100

#### Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	0.55 kW	700 r/min	1.33 A	0.520	61.70 %	7.50 N·m	3.00
D	--	50 Hz	400 V	0.55 kW	700 r/min	2.32 A	0.520	61.70 %	7.50 N·m	3.00
D	--	60 Hz	460 V	0.55 kW	860 r/min	2.16 A	0.460	62.00 %	6.10 N·m	3.30

Frame Material	Aluminum
Frame Size	90
Frequency (f)	50 Hz
Gross Weight	19 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 61.7 % Partial Load (75%) 59.7 % Partial Load (50%) 52.2 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 62.0 % Partial Load (75%) 58.9 % Partial Load (50%) 50.4 %
IM Class	IMB5 IM3001
Input Voltage (U <sub>in</sub> )	400 V
Insulation Class	ICLF
Invoice Description	M3AA 90L 8
IP Class	IP55
Made To Order	No
Medium Description	0.55kW, 8 Poles, Frame Size 90, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA094500-BDE)
Minimum Order Quantity	1 piece
Number of Poles (High)	8
Order Multiple	1 piece
Output Power	0.55 kW
Package Level 1 Units	0 carton
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	309.5 mm
Product Net Height	217 mm
Product Net Weight	16 kg
Product Net Width	177 mm
Product Type	3AA2_M3AA_IE2_AA
Quote Only	No
Replaced Product ID (OLD)	3GAA094062-BDA 3GAA094002-BDE
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)
Selling Unit of Measure	piece
Short Description	0.55kW, 8P, Frame Size 90, 3PH, 400V, 50Hz, IP55, IMB5/IM3001
Stocked At (Warehouses)	Menden, Germany Shanghai, China
Temperature Class Default	--
Terminator Box Location	Top
Two Speed Motor	No
Type of Duty	S1
UNSPSC	26101100
Voltage Code	D
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

---

## Categories

---

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

