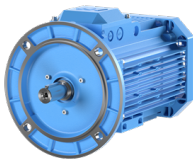




PRODUCT-DETAILS

3GAA082311-BSE

IE2 High Efficiency Aluminum Motors, 0.55 kW, 400 V (3GAA082311-BSE)



General Information	
Product ID	3GAA082311-BSE
ABB Type Designation	M3AA 80A 4
Catalog Description	IE2 High Efficiency Aluminum Motors, 0.55 kW, 400 V (3GAA082311-BSE)

Ordering	
ABB Type Designation	M3AA 80A 4
Invoice Description	M3AA 80A 4
Product Name	3-Phase squirrel cage motor
Product Type	3AA2__M3AA_IE2_AA
Country or Territory of Origin	China
Customs Tariff Number	85015100
Stocked At (Warehouses)	Menden, Germany Sant Quirze del Vallés - BCN, Spain Shanghai, China Vittuone, Italy
Medium Description	0.55kW, 4 Poles, Frame Size 80, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA082311-BSE)

Short Description

0.55kW, 4P, Frame Size 80, 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	0.55 kW	1406 r/min	1.29 A	0.780	77.10 %	3.73 N·m	5.40
D	--	50 Hz	230 V	0.55 kW	1406 r/min	2.24 A	0.780	77.10 %	3.73 N·m	5.40
Y	--	60 Hz	460 V	0.55 kW	1721 r/min	1.15 A	0.740	75.50 %	3.05 N·m	6.50

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	0.55 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 77.1 % Partial Load (75%) 78.6 % Partial Load (50%) 76.8 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 75.5 % Partial Load (75%) 75.6 % Partial Load (50%) 72.2 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	4
Two Speed Motor	No
Type of Duty	S1
Voltage Code	S

Mechanical

Frame Material	Aluminum
Frame Size	80
Bearing	6204-2Z/C3
Bearing NDE	6203-2Z/C3
Lubrication	For life
IM Class	IMB5 IM3001
Terminator Box Location	Top

Dimensions

Product Net Depth / Length	292.5 mm
Product Net Height	193.5 mm
Product Net Width	154 mm

Product Net Weight	9.6 kg
Gross Weight	12.6 kg

Environmental

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

External Classifications and Standards

Standards	IEC 60034-1
UNSPSC	26101100

Categories

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

