

PRODUCT-DETAILS

3GAA081312-ADE

IE2 High Efficiency Aluminum Motors, 0.75 kW, 400 V (3GAA081312-ADE)



General Information	
Product ID	3GAA081312-ADE
ABB Type Designation	M3AA 80B 2
Catalog Description	IE2 High Efficiency Aluminum Motors, 0.75 kW, 400 V (3GAA081312-ADE)
Long Description	M2AA 80 B-2

Ordering	
ABB Type Designation	M3AA 80B 2
Invoice Description	M2AA 80 B-2
Product Name	3-Phase squirrel cage motor
Product Type	3AA2__M3AA_IE2_AA
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Italy (IT) China (CN) Romania (RO)
Customs Tariff Number	85015100
Stocked At (Warehouses)	Menden, Germany

Medium Description	0.75kW, 2 Poles, Frame Size 80, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA081312-ADE)
Short Description	0.75kW, 2P, Frame Size 80, 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	0.75 kW	2894 r/min	0.99 A	0.780	77.40 %	2.50 N·m	8.10
D	--	50 Hz	400 V	0.75 kW	2895 r/min	1.70 A	0.790	77.40 %	2.40 N·m	8.10
D	--	60 Hz	460 V	0.75 kW	3505 r/min	1.43 A	0.800	75.50 %	2.00 N·m	9.60

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	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 IE2 Full Load (100%) 77.4 % Partial Load (75%) 76.2 % Partial Load (50%) 72.1 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 75.5 % Partial Load (75%) 73.9 % Partial Load (50%) 68.5 %
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	80
Bearing	6204-2Z/C3
Bearing NDE	6203-2Z/C3
Lubrication	For life
IM Class	IMB3 IM1001
Terminator Box Location	Top

Dimensions

Package Level 1 Units	0 carton
-----------------------	----------

Product Net Depth / Length	292.5 mm
Product Net Height	193.5 mm
Product Net Width	154 mm
Product Net Weight	10.5 kg
Gross Weight	13.5 kg

Environmental

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

Classifications

Standards	IEC 60034-1
UNSPSC	26101100

Categories

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

