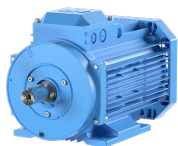




PRODUCT-DETAILS

# 3GAA081320-ADK

## IE3 Premium Efficiency Aluminum Motors, 0.75 kW, 400 V (3GAA081320-ADK)



General Information

Product ID	3GAA081320-ADK
ABB Type Designation	M3AA 80MB 2
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 0.75 kW, 400 V (3GAA081320-ADK)

Ordering

ABB Type Designation	M3AA 80MB 2
Invoice Description	M3AA 80MB 2
Product Name	3-Phase squirrel cage motor
Product Type	3AA3_M3AA_IE3_AA
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Romania (RO)
Customs Tariff Number	85015100
Replaced Product ID (OLD)	3GAA081320-APK
Stocked At (Warehouses)	Menden, Germany
Medium Description	0.75kW, 2 Poles, Frame Size 80, 3 Phases, 400V, 50Hz, IC411 Enclosure, IMB3/IM1001 Mounting, (3GAA081320-ADK)
Short Description	0.75kW, 2P, Frame Size 80, 3PH, 400V, 50Hz, IC411, 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	0.98 A	0.740	80.70 %	2.40 N·m	7.90
D	--	50 Hz	400 V	0.75 kW	2894 r/min	1.70 A	0.740	80.70 %	2.40 N·m	7.90
Y	--	50 Hz	660 V	0.75 kW	2876 r/min	1.00 A	0.780	80.70 %	2.40 N·m	7.50
D	--	50 Hz	380 V	0.75 kW	2876 r/min	1.74 A	0.780	80.70 %	2.40 N·m	7.50
D	--	50 Hz	415 V	0.75 kW	2900 r/min	1.74 A	0.720	80.70 %	2.40 N·m	8.20
D	--	60 Hz	460 V	0.75 kW	3502 r/min	1.56 A	0.720	77.00 %	2.00 N·m	8.90

Connection Configuration	D
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 IE3 Full Load (100%) 80.7 % Partial Load (75%) 79.1 % Partial Load (50%) 75.6 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 77.0 % Partial Load (75%) 75.2 % Partial Load (50%) 70.0 %
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
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	265.5 mm
Product Net Height	193.5 mm
Product Net Width	154 mm
Product Net Weight	9.5 kg
Gross Weight	12.5 kg

Environmental

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

Classifications	
UNSPSC	26101100

Categories	
Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE3 Premium Efficiency Aluminum Motors	

