



PRODUCT-DETAILS

3GAA162420-ADG

(3GAA162420-ADG)



General Information	
Product ID	3GAA162420-ADG
ABB Type Designation	M3AA 160MLB 4
Catalog Description	(3GAA162420-ADG)

Ordering	
ABB Type Designation	M3AA 160MLB 4
Invoice Description	M3AA 160MLB 4
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	Spain (ES) Finland (FI) China (CN) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA162032-ADG

Stocked At
(Warehouses)

Menden, Germany

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	15.00 kW	1470 r/min	16.50 A	0.830	91.40 %	97.40 N·m	7.10
D	--	50 Hz	400 V	15.00 kW	1470 r/min	28.50 A	0.830	91.40 %	97.40 N·m	7.10
D	--	50 Hz	415 V	15.00 kW	1473 r/min	27.70 A	0.820	91.60 %	97.40 N·m	7.50
D	--	60 Hz	440 V	15.00 kW	1772 r/min	25.10 A	0.850	92.00 %	80.80 N·m	7.50
D	--	60 Hz	460 V	15.00 kW	1775 r/min	24.60 A	0.830	92.20 %	80.60 N·m	8.00
Temperature Class Default										--
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 91.4 % Partial Load (75%) 92.4 % Partial Load (50%) 92.2 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 92.0 % Partial Load (75%) 92.4 % Partial Load (50%) 91.7 %
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										D

Mechanical

Frame Material	Aluminum
Frame Size	160
Bearing	6309-2Z/C3
Bearing NDE	6209-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Weight	118 kg
Gross Weight	128 kg

Environmental	
WEEE Category	4. Large Equipment (Any 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 → IE2 High Efficiency Aluminum Motors	

