



PRODUCT-DETAILS

3GAA163420-BDG  
(3GAA163420-BDG)



General Information	
Product ID	3GAA163420-BDG
ABB Type Designation	M3AA 160MLB 6
Catalog Description	(3GAA163420-BDG)

Ordering	
ABB Type Designation	M3AA 160MLB 6
Invoice Description	M3AA 160MLB 6
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	Finland (FI) China (CN) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA163032-BDG 3GAA163062-BDA
Stocked At	Menden, Germany

(Warehouses)

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	11.00 kW	972 r/min	13.00 A	0.790	89.30 %	108.00 N·m	7.50
D	--	50 Hz	400 V	11.00 kW	972 r/min	22.50 A	0.790	89.30 %	108.00 N·m	7.50
D	--	50 Hz	415 V	11.00 kW	975 r/min	22.10 A	0.770	89.60 %	108.00 N·m	8.00
D	--	60 Hz	440 V	11.00 kW	1174 r/min	20.20 A	0.790	90.10 %	89.40 N·m	7.80
D	--	60 Hz	460 V	11.00 kW	1177 r/min	19.80 A	0.770	90.40 %	89.20 N·m	8.40

Temperature Class	--
Default	
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 89.3 % Partial Load (75%) 90.6 % Partial Load (50%) 90.5 %
IE Class Data (60 Hz)	IE Class IE1 Full Load (100%) 90.1 % Partial Load (75%) 90.9 % Partial Load (50%) 90.2 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	6
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	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Weight	125 kg
Gross Weight	135 kg

Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
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Classifications

UNSPSC

26101100

Categories

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

