



PRODUCT-DETAILS

3GAA161440-BDG

(3GAA161440-BDG)



General Information	
Product ID	3GAA161440-BDG
ABB Type Designation	M3AA 160MLD 2
Catalog Description	(3GAA161440-BDG)

Ordering	
ABB Type Designation	M3AA 160MLD 2
Invoice Description	M3AA 160MLD 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	Finland (FI) China (CN) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA161034-BDG 3GAA161064-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	22.00 kW	2933 r/min	22.00 A	0.900	91.70 %	71.60 N·m	8.10
D	--	50 Hz	400 V	22.00 kW	2933 r/min	38.00 A	0.900	91.70 %	71.60 N·m	8.10
D	--	50 Hz	415 V	22.00 kW	2940 r/min	37.40 A	0.890	91.90 %	71.60 N·m	8.50
D	--	60 Hz	440 V	22.00 kW	3539 r/min	34.00 A	0.920	92.20 %	59.30 N·m	8.60
D	--	60 Hz	460 V	22.00 kW	3546 r/min	32.80 A	0.910	92.40 %	59.20 N·m	9.30

Temperature Class Default	--
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 91.7 % Partial Load (75%) 92.8 % Partial Load (50%) 92.8 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 92.2 % Partial Load (75%) 92.8 % Partial Load (50%) 92.3 %
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	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	123 kg
Gross Weight	133 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	

