

PRODUCT-DETAILS

3GAA162903-BDG

IE2 High Efficiency Aluminum Motors, 15.5 kW, 400 V (3GAA162903-BDG)



General Information	
Product ID	3GAA162903-BDG
ABB Type Designation	M3AA 160MLB 4
Catalog Description	IE2 High Efficiency Aluminum Motors, 15.5 kW, 400 V (3GAA162903-BDG)

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
Selling Unit of Measure	piece
Country of Origin	Sweden (SE) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA162102-BDC
Stocked At (Warehouses)	Menden, Germany
Medium Description	15.5kW, 4 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure,

IMB5/IM3001 Mounting (3GAA162903-BDG)	
Short Description	15.5kW, 4P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor
Y	--	50 Hz	690 V	15.50 kW	1468 r/min	17.00 A	0.830
D	--	50 Hz	400 V	15.50 kW	1468 r/min	29.50 A	0.830
D	--	50 Hz	380 V	15.50 kW	1465 r/min	30.70 A	0.840
D	--	60 Hz	440 V	15.50 kW	1769 r/min	26.40 A	0.830

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	15.5 kW
Altitude	1000 m
Ambient Temperature	50 °C
IC Class	IC411
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	IMB5 IM3001

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	681 mm
Product Net Height	370 mm
Product Net Width	310.5 mm
Product Net Weight	124 kg
Gross Weight	134 kg

Environmental

WEEE Category	4. Large Equipment (Any 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

