



PRODUCT-DETAILS

# 3GAA163430-BSG

## IE2 High Efficiency Aluminum Motors, 15 kW, 400 V (3GAA163430-BSG)



General Information	
Product ID	3GAA163430-BSG
ABB Type Designation	M3AA 160MLC 6
Catalog Description	IE2 High Efficiency Aluminum Motors, 15 kW, 400 V (3GAA163430-BSG)

Ordering	
ABB Type Designation	M3AA 160MLC 6
Invoice Description	M3AA 160MLC 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) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA163033-BSG
Medium Description	15kW, 6 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA163430-BSG)

Short Description

15kW, 6P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	15.00 kW	971 r/min	31.30 A	0.770	89.70 %	147.00 N·m	7.30
D	--	50 Hz	230 V	15.00 kW	971 r/min	54.80 A	0.770	89.70 %	147.00 N·m	7.30
Y	--	50 Hz	415 V	15.00 kW	974 r/min	30.90 A	0.750	90.00 %	147.00 N·m	7.70
Y	--	60 Hz	440 V	15.00 kW	1173 r/min	28.30 A	0.770	90.20 %	122.00 N·m	7.40
Y	--	60 Hz	460 V	15.00 kW	1176 r/min	27.60 A	0.750	90.70 %	121.00 N·m	8.10

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	15 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 89.7 % Partial Load (75%) 91.2 % Partial Load (50%) 91.2 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 90.2 % Partial Load (75%) 91.2 % Partial Load (50%) 90.7 %
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	S

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)
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Product Net Depth / Length	681 mm
Product Net Height	370 mm
Product Net Width	310.5 mm
Product Net Weight	138 kg
Gross Weight	148 kg

<b>Environmental</b>	
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)

<b>Classifications</b>	
UNSPSC	26101100

<b>Categories</b>	
Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Aluminum Motors	

