

PRODUCT-DETAILS

3GAA163430-ADG

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



General Information

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

Additional Information

ABB Type Designation	M3AA 160MLC 6
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6309-2Z/C3
Bearing NDE	6209-2Z/C3
Connection Configuration	D
Country of Origin	Finland (FI) China (CN) Poland (PL)
Customs Tariff Number	85015230
Direction of Rotation	Both sides
Electrical Data	

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	15.00 kW	971 r/min	18.10 A	0.770	89.70 %	147.00 N-m	7.30
D	--	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	415 V	15.00 kW	974 r/min	30.90 A	0.750	90.00 %	147.00 N-m	7.70
D	--	60 Hz	440 V	15.00 kW	1173 r/min	28.30 A	0.770	90.20 %	122.00 N-m	7.40
D	--	60 Hz	460 V	15.00 kW	1176 r/min	27.60 A	0.750	90.70 %	121.00 N-m	8.10
Y	--	50 Hz	690 V	14.00 kW	973 r/min	17.20 A	0.750	89.70 %	136.88 N-m	7.70
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D	--	50 Hz	400 V	14.00 kW	971 r/min	30.10 A	0.750	89.70 %	136.88 N-m	7.70
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D	--	50 Hz	400 V	14.00 kW	971 r/min	30.10 A	0.750	89.70 %	136.88 N-m	7.70
D	--	50 Hz	400 V	14.00 kW	971 r/min	30.10 A	0.750	89.70 %	136.88 N-m	7.70
D	--	50 Hz	400 V	14.00 kW	971 r/min	30.10 A	0.750	89.70 %	136.88 N-m	7.70
D	--	50 Hz	415 V	14.00 kW	975 r/min	29.80 A	0.730	90.00 %	136.61 N-m	8.10
D	--	50 Hz	415 V	14.00 kW	975 r/min	29.80 A	0.730	90.00 %	136.61 N-m	8.10
D	--	50 Hz	415 V	14.00 kW	975 r/min	29.80 A	0.730	90.00 %	136.61 N-m	8.10
D	--	50 Hz	415 V	14.00 kW	975 r/min	29.80 A	0.730	90.00 %	136.61 N-m	8.10
D	--	50 Hz	415 V	14.00 kW	975 r/min	29.80 A	0.730	90.00 %	136.61 N-m	8.10
D	--	60 Hz	440 V	14.00 kW	1174 r/min	26.70 A	0.760	90.30 %	113.48 N-m	8.00
D	--	60 Hz	440 V	14.00 kW	1174 r/min	26.70 A	0.760	90.30 %	113.48 N-m	8.00
D	--	60 Hz	440 V	14.00 kW	1174 r/min	26.70 A	0.760	90.30 %	113.48 N-m	8.00
D	--	60 Hz	440 V	14.00 kW	1174 r/min	26.70 A	0.760	90.30 %	113.48 N-m	8.00
D	--	60 Hz	440 V	14.00 kW	1174 r/min	26.70 A	0.760	90.30 %	113.48 N-m	8.00
D	--	60 Hz	460 V	14.00 kW	1176 r/min	26.60 A	0.730	90.40 %	113.25 N-m	8.60
D	--	60 Hz	460 V	14.00 kW	1176 r/min	26.60 A	0.730	90.40 %	113.25 N-m	8.60
D	--	60 Hz	460 V	14.00 kW	1176 r/min	26.60 A	0.730	90.40 %	113.25 N-m	8.60
D	--	60 Hz	460 V	14.00 kW	1176 r/min	26.60 A	0.730	90.40 %	113.25 N-m	8.60
D	--	60 Hz	460 V	14.00 kW	1176 r/min	26.60 A	0.730	90.40 %	113.25 N-m	8.60

Frequency (f)	50 Hz
Gross Weight	148 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 89.7 % Partial Load (75%) 90.0 % Partial Load (50%) 88.9 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 90.2 % Partial Load (75%) 91.2 % Partial Load (50%) 90.7 %
IM Class	IMB3 IM1001
Input Voltage (U _{in})	400 V
Insulation Class	ICLF
Invoice Description	M3AA 160MLC 6
IP Class	IP55
Made To Order	No
Medium Description	15kW, 6 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA163430-ADG)
Minimum Order Quantity	1 piece
Number of Poles (High)	6
Order Multiple	1 piece
Output Power	15 kW
Package Level 1 Units	0 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	681 mm
Product Net Height	370 mm
Product Net Weight	138 kg
Product Net Width	310.5 mm
Product Type	3AA2_M3AA_IE2_AA
Quote Only	No
Replaced Product ID (OLD)	3GAA163033-ADG
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)
Selling Unit of Measure	piece
Short Description	15kW, 6P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB3/IM1001
Stocked At (Warehouses)	Menden, Germany
Temperature Class Default	--
Terminator Box Location	D-End top
Two Speed Motor	No
Type of Duty	S1
UNSPSC	26101100
Voltage Code	D
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

Categories

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

