

PRODUCT-DETAILS

3GAA254230-ADG

IE2 High Efficiency Aluminum Motors, 45 kW,
400 V (3GAA254230-ADG)



General Information

Product ID	3GAA254230-ADG
ABB Type Designation	M3AA 250SMC 8
Catalog Description	IE2 High Efficiency Aluminum Motors, 45 kW, 400 V (3GAA254230-ADG)

Additional Information

ABB Type Designation	M3AA 250SMC 8
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6315-2Z/C3
Bearing NDE	6213-2Z/C3
Connection Configuration	D
Country of Origin	Finland (FI) Poland (PL)
Customs Tariff Number	85015290
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	45.00 kW	738 r/min	55.10 A	0.740	92.10 %	582.00 N-m	5.60
D	--	50 Hz	400 V	45.00 kW	738 r/min	95.10 A	0.740	92.10 %	582.00 N-m	5.60
D	--	50 Hz	415 V	45.00 kW	739 r/min	95.60 A	0.710	92.10 %	582.00 N-m	5.80
D	--	60 Hz	440 V	45.00 kW	889 r/min	83.20 A	0.760	92.30 %	483.00 N-m	6.00
D	--	60 Hz	460 V	45.00 kW	891 r/min	81.70 A	0.740	92.30 %	482.00 N-m	6.40
Y	--	50 Hz	690 V	41.00 kW	739 r/min	51.60 A	0.720	91.90 %	529.43 N-m	6.00
Y	--	50 Hz	690 V	41.00 kW	739 r/min	51.60 A	0.720	91.90 %	529.43 N-m	6.00
Y	--	50 Hz	690 V	41.00 kW	739 r/min	51.60 A	0.720	91.90 %	529.43 N-m	6.00
Y	--	50 Hz	690 V	41.00 kW	739 r/min	51.60 A	0.720	91.90 %	529.43 N-m	6.00
Y	--	50 Hz	690 V	41.00 kW	739 r/min	51.60 A	0.720	91.90 %	529.43 N-m	6.00
D	--	50 Hz	400 V	41.00 kW	739 r/min	89.00 A	0.720	91.90 %	529.43 N-m	6.00
D	--	50 Hz	400 V	41.00 kW	739 r/min	89.00 A	0.720	91.90 %	529.43 N-m	6.00
D	--	50 Hz	400 V	41.00 kW	739 r/min	89.00 A	0.720	91.90 %	529.43 N-m	6.00
D	--	50 Hz	400 V	41.00 kW	739 r/min	89.00 A	0.720	91.90 %	529.43 N-m	6.00
D	--	50 Hz	400 V	41.00 kW	739 r/min	89.00 A	0.720	91.90 %	529.43 N-m	6.00
D	--	50 Hz	415 V	41.00 kW	740 r/min	89.20 A	0.690	91.90 %	528.87 N-m	6.20
D	--	50 Hz	415 V	41.00 kW	740 r/min	89.20 A	0.690	91.90 %	528.87 N-m	6.20
D	--	50 Hz	415 V	41.00 kW	740 r/min	89.20 A	0.690	91.90 %	528.87 N-m	6.20
D	--	50 Hz	415 V	41.00 kW	740 r/min	89.20 A	0.690	91.90 %	528.87 N-m	6.20
D	--	50 Hz	415 V	41.00 kW	740 r/min	89.20 A	0.690	91.90 %	528.87 N-m	6.20
D	--	60 Hz	440 V	41.00 kW	889 r/min	78.20 A	0.740	92.30 %	440.09 N-m	6.50
D	--	60 Hz	440 V	41.00 kW	889 r/min	78.20 A	0.740	92.30 %	440.09 N-m	6.50
D	--	60 Hz	440 V	41.00 kW	889 r/min	78.20 A	0.740	92.30 %	440.09 N-m	6.50
D	--	60 Hz	440 V	41.00 kW	889 r/min	78.20 A	0.740	92.30 %	440.09 N-m	6.50
D	--	60 Hz	440 V	41.00 kW	889 r/min	78.20 A	0.740	92.30 %	440.09 N-m	6.50
D	--	60 Hz	460 V	41.00 kW	890 r/min	77.90 A	0.710	92.30 %	439.65 N-m	6.80
D	--	60 Hz	460 V	41.00 kW	890 r/min	77.90 A	0.710	92.30 %	439.65 N-m	6.80
D	--	60 Hz	460 V	41.00 kW	890 r/min	77.90 A	0.710	92.30 %	439.65 N-m	6.80
D	--	60 Hz	460 V	41.00 kW	890 r/min	77.90 A	0.710	92.30 %	439.65 N-m	6.80
D	--	60 Hz	460 V	41.00 kW	890 r/min	77.90 A	0.710	92.30 %	439.65 N-m	6.80

Frame Material Aluminum
 Frame Size 250

Frequency (f)	50 Hz
Gross Weight	377 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 91.9 % Partial Load (75%) 91.9 % Partial Load (50%) 90.7 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 92.3 % Partial Load (75%) 92.1 % Partial Load (50%) 90.7 %
IM Class	IMB3 IM1001
Input Voltage (U _{in})	400 V
Insulation Class	ICLF
Invoice Description	M3AA 250SMC 8
IP Class	IP55
Made To Order	No
Medium Description	45kW, 8 Poles, Frame Size 250, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA254230-ADG)
Minimum Order Quantity	1 piece
Number of Poles (High)	8
Order Multiple	1 piece
Output Power	45 kW
Package Level 1 Units	0 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	884 mm
Product Net Height	595 mm
Product Net Weight	367 kg
Product Net Width	473 mm
Product Type	3AA2__M3AA_IE2_AA
Quote Only	No
Replaced Product ID (OLD)	3GAA254033-ADG
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)
Selling Unit of Measure	piece
Short Description	45kW, 8P, Frame Size 250, 3PH, 400V, 50Hz, IP55, IMB3/IM1001
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

