

PRODUCT-DETAILS

3GAA221230-BDG

IE2 High Efficiency Aluminum Motors, 75 kW,
400 V (3GAA221230-BDG)



General Information

Product ID	3GAA221230-BDG
ABB Type Designation	M3AA 225SMC 2
Catalog Description	IE2 High Efficiency Aluminum Motors, 75 kW, 400 V (3GAA221230-BDG)

Additional Information

ABB Type Designation	M3AA 225SMC 2
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6313-2Z/C3
Bearing NDE	6212-2Z/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	75.00 kW	2969 r/min	78.80 A	0.840	94.40 %	241.00 N-m	7.40
D	--	50 Hz	400 V	75.00 kW	2969 r/min	136.00 A	0.840	94.40 %	241.00 N-m	7.40
D	--	50 Hz	415 V	75.00 kW	2971 r/min	139.00 A	0.790	94.40 %	241.00 N-m	7.60
D	--	60 Hz	440 V	75.00 kW	3570 r/min	117.00 A	0.890	94.20 %	200.00 N-m	8.20
D	--	60 Hz	460 V	75.00 kW	3573 r/min	116.00 A	0.860	94.30 %	200.00 N-m	8.70
Y	--	50 Hz	690 V	67.00 kW	2972 r/min	72.60 A	0.820	94.40 %	215.05 N-m	8.20
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D	--	60 Hz	440 V	67.00 kW	3573 r/min	109.00 A	0.870	94.00 %	178.92 N-m	9.10
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D	--	60 Hz	440 V	67.00 kW	3573 r/min	109.00 A	0.870	94.00 %	178.92 N-m	9.10
D	--	60 Hz	460 V	67.00 kW	3575 r/min	109.00 A	0.830	94.00 %	178.81 N-m	9.60
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Frame Material Aluminum

Frame Size 225

Frequency (f)	50 Hz
Gross Weight	322 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 94.4 % Partial Load (75%) 94.1 % Partial Load (50%) 92.7 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 94.0 % Partial Load (75%) 93.3 % Partial Load (50%) 91.6 %
IM Class	IMB5 IM3001
Input Voltage (U _{in})	400 V
Insulation Class	ICLF
Invoice Description	M3AA 225SMC 2
IP Class	IP55
Made To Order	No
Medium Description	75kW, 2 Poles, Frame Size 225, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA221230-BDG)
Minimum Order Quantity	1 piece
Number of Poles (High)	2
Order Multiple	1 piece
Output Power	75 kW
Package Level 1 Units	0 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	850 mm
Product Net Height	547 mm
Product Net Weight	312 kg
Product Net Width	425 mm
Product Type	3AA2__M3AA_IE2_AA
Quote Only	No
Replaced Product ID (OLD)	3GAA221033-BDG
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)
Selling Unit of Measure	piece
Short Description	75kW, 2P, Frame Size 225, 3PH, 400V, 50Hz, IP55, IMB5/IM3001
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

