

PRODUCT-DETAILS

# 3GAA221210-BDL

IE3 Premium Efficiency Aluminum Motor, 45 kW, 400 V (3GAA221210-BDL)



## General Information

Product ID	3GAA221210-BDL
ABB Type Designation	M3AA 225SMA 2
Catalog Description	IE3 Premium Efficiency Aluminum Motor, 45 kW, 400 V (3GAA221210-BDL)

## Additional Information

ABB Type Designation	M3AA 225SMA 2
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6313-2Z/C3
Bearing NDE	6210-2Z/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	2955 r/min	45.00 A	0.890	94.00 %	145.42 N·m	8.00
D	--	50 Hz	400 V	45.00 kW	2955 r/min	77.60 A	0.890	94.00 %	145.42 N·m	8.00
D	--	50 Hz	415 V	45.00 kW	2959 r/min	75.60 A	0.880	94.00 %	145.22 N·m	8.50
D	--	60 Hz	440 V	45.00 kW	3557 r/min	70.30 A	0.890	94.30 %	120.81 N·m	8.30
D	--	60 Hz	460 V	45.00 kW	3562 r/min	67.20 A	0.890	94.40 %	120.64 N·m	9.10

Frame Material	Aluminum
Frame Size	225
Frequency (f)	50 Hz
Gross Weight	264 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 94.0 % Partial Load (75%) 94.5 % Partial Load (50%) 94.4 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 94.3 % Partial Load (75%) 94.8 % Partial Load (50%) 94.4 %
IM Class	IMB5 IM3001
Input Voltage (U <sub>in</sub> )	400 V
Insulation Class	ICLF
Invoice Description	M3AA 225SMA 2
IP Class	IP55
Made To Order	No
Medium Description	45kW, 2 Poles, Frame Size 225, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA221210-BDL)
Minimum Order Quantity	1 piece
Number of Poles (High)	2
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	821 mm
Product Net Height	531 mm
Product Net Weight	254 kg
Product Net Width	416 mm
Product Type	5AA3__M3AA_IE3_AA
Quote Only	No
Replaced Product ID (OLD)	3GAA221051-BDL
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)
Selling Unit of Measure	piece
Short Description	45kW, 2P, Frame Size 225, 3PH, 400V, 50Hz, IP55, IMB5/IM3001
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

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Categories

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Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE3 Premium Efficiency Aluminum Motors

