



## PRODUCT-DETAILS

**3GAA223210-ADK****IE3 Premium Efficiency Aluminum Motors, 30 kW, 400 V (3GAA223210-ADK)****General Information**

Product ID	3GAA223210-ADK
ABB Type Designation	M3AA 225SMA 6
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 30 kW, 400 V (3GAA223210-ADK)

**Ordering**

ABB Type Designation	M3AA 225SMA 6
Invoice Description	M3AA 225SMA 6
Product Name	3-Phase squirrel cage motor
Product Type	3AA3_M3AA_IE3_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	3GAA223051-ADK

(OLD)

Stocked At (Warehouses)	Menden, Germany Sant Quirze del Vallés - BCN, Spain
Medium Description	30kW, 6 Poles, Frame Size 225, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA223210-ADK)
Short Description	30kW, 6P, Frame Size 225, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

## Electrical

### Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	30.00 kW	989 r/min	32.90 A	0.810	92.90 %	289.00 N·m	7.90
D	--	50 Hz	400 V	30.00 kW	989 r/min	56.80 A	0.810	92.90 %	289.00 N·m	7.90
Y	--	50 Hz	660 V	30.00 kW	987 r/min	33.70 A	0.830	92.90 %	289.00 N·m	7.30
D	--	50 Hz	380 V	30.00 kW	987 r/min	58.50 A	0.830	92.90 %	289.00 N·m	7.30
D	--	50 Hz	415 V	30.00 kW	990 r/min	56.00 A	0.790	92.90 %	289.00 N·m	8.40
D	--	60 Hz	460 V	30.00 kW	1191 r/min	49.90 A	0.800	94.20 %	240.00 N·m	8.90

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	30 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 92.9 % Partial Load (75%) 93.4 % Partial Load (50%) 92.9 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 94.2 % Partial Load (75%) 94.3 % Partial Load (50%) 93.6 %
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	D

## Mechanical

Frame Material	Aluminum
Frame Size	225
Bearing	6313-2Z/C3
Bearing NDE	6212-2Z/C3

IM Class	IMB3 IM1001
Terminator Box Location	D-End top

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## Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	880 mm
Product Net Height	553 mm
Product Net Width	418 mm
Product Net Weight	310 kg
Gross Weight	320 kg

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## Environmental

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

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## Classifications

UNSPSC	26101100
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## Categories

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

