

PRODUCT-DETAILS

# 3GAA223210-BDK

## IE3 Premium Efficiency Aluminum Motors, 30 kW, 400 V (3GAA223210-BDK)



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

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	Spain (ES) Finland (FI) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA223051-BDK
Stocked At	Menden, Germany

(Warehouses)

Medium Description	30kW, 6 Poles, Frame Size 225, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA223210-BDK)
Short Description	30kW, 6P, Frame Size 225, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

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	IMB5 IM3001
Terminator Box Location	D-End top

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

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

Classifications	
UNSPSC	26101100

Categories

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

