



PRODUCT-DETAILS

3GAA222230-ASK

IE3 Premium Efficiency Aluminum Motors, 53 kW, 400 V (3GAA222230-ASK)



General Information

Product ID	3GAA222230-ASK
ABB Type Designation	M3AA 225SMC 4
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 53 kW, 400 V (3GAA222230-ASK)

Ordering

ABB Type Designation	M3AA 225SMC 4
Invoice Description	M3AA 225SMC 4
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	85015290
Replaced Product ID (OLD)	3GAA222053-ASK
Stocked At (Warehouses)	Menden, Germany
Medium Description	53kW, 4 Poles, Frame Size 225, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA222230-ASK)
Short Description	53kW, 4P, 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	400 V	53.00 kW	1483 r/min	97.00 A	0.830	94.50 %	341.34 N·m	8.70	
D	--	50 Hz	230 V	53.00 kW	1483 r/min	168.00 A	0.830	94.50 %	341.34 N·m	8.70	
Y	--	50 Hz	415 V	53.00 kW	1484 r/min	96.80 A	0.800	94.50 %	341.01 N·m	9.10	
Connection Configuration											Y
Temperature Class Default											--
Input Voltage (U _{in})											400 V
Frequency (f)											50 Hz
Output Power											53 kW
Altitude											1000 m
Ambient Temperature											40 °C
IC Class											IC411
IE Class Data (50 Hz)											IE Class IE3 Full Load (100%) 94.5 % Partial Load (75%) 94.5 % Partial Load (50%) 93.9 %
IE Class Data (60 Hz)											IE Class IE3 Full Load (100%) 95.0 % Partial Load (75%) 94.8 % Partial Load (50%) 93.8 %
IP Class											IP55
Insulation Class											ICLF
Direction of Rotation											Both sides
Number of Poles (High)											4
Two Speed Motor											No
Type of Duty											S1
Voltage Code											S
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
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											318 kg
Gross Weight											328 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	

