

PRODUCT-DETAILS

3GAA221220-ADK

IE3 Premium Efficiency Aluminum Motor, 55 kW, 400 V (3GAA221220-ADK)



General Information

Product ID	3GAA221220-ADK
ABB Type Designation	M3AA 225SMB 2
Catalog Description	IE3 Premium Efficiency Aluminum Motor, 55 kW, 400 V (3GAA221220-ADK)

Additional Information

ABB Type Designation	M3AA 225SMB 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	55.00 kW	2964 r/min	56.20 A	0.860	94.30 %	177.30 N·m	7.20
D	--	50 Hz	400 V	55.00 kW	2964 r/min	97.40 A	0.860	94.30 %	177.30 N·m	7.20
Y	--	50 Hz	660 V	55.00 kW	2959 r/min	58.30 A	0.880	94.30 %	177.58 N·m	6.60
D	--	50 Hz	380 V	55.00 kW	2959 r/min	101.00 A	0.880	94.30 %	177.58 N·m	6.60
D	--	50 Hz	415 V	55.00 kW	2966 r/min	96.10 A	0.840	94.30 %	177.14 N·m	7.60
D	--	60 Hz	460 V	55.00 kW	3575 r/min	84.50 A	0.860	93.60 %	146.90 N·m	8.10

Frame Material	Aluminum
Frame Size	225
Frequency (f)	50 Hz
Gross Weight	298 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 94.3 % Partial Load (75%) 94.4 % Partial Load (50%) 93.7 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 93.6 % Partial Load (75%) 93.6 % Partial Load (50%) 92.7 %
IM Class	IMB3 IM1001
Input Voltage (U _{in})	400 V
Insulation Class	ICLF
Invoice Description	M3AA 225SMB 2
IP Class	IP55
Made To Order	No
Medium Description	55kW, 2 Poles, Frame Size 225, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA221220-ADK)
Minimum Order Quantity	1 piece
Number of Poles (High)	2
Order Multiple	1 piece
Output Power	55 kW
Package Level 1 Units	0 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	850 mm
Product Net Height	553 mm
Product Net Weight	288 kg
Product Net Width	418 mm
Product Type	3AA3_M3AA_IE3_AA
Quote Only	No
Replaced Product ID (OLD)	3GAA221052-ADK
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)
Selling Unit of Measure	piece
Short Description	55kW, 2P, Frame Size 225, 3PH, 400V, 50Hz, IP55, IMB3/IM1001
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
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

Categories

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

