



PRODUCT-DETAILS

3GAA251220-ASG

IE2 High Efficiency Aluminum Motors, 75 kW,
400 V (3GAA251220-ASG)



General Information

Product ID:	3GAA251220-ASG
ABB Type Designation:	M3AA 250SMB 2
Catalog Description:	IE2 High Efficiency Aluminum Motors, 75 kW, 400 V (3GAA251220-ASG)
Display Name:	3GAA251220-ASG

Ordering

ABB Type Designation:	M3AA 250SMB 2
Invoice Description:	M3AA 250SMB 2
Product Name:	3-Phase squirrel cage motor
Product Type:	3AA2__M3AA_IE2_AA
Country or Territory of Origin:	Finland Poland
Customs Tariff Number:	85015290
Replaced Product ID (OLD):	3GAA251032-ASG

Medium Description:	75kW, 2 Poles, Frame Size 250, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA251220-ASG)
Short Description:	75kW, 2P, Frame Size 250, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	75.00 kW	2972 r/min	130.00 A	0.880	93.80 %	241.00 N-m	8.20
D	--	50 Hz	230 V	75.00 kW	2972 r/min	225.00 A	0.880	93.80 %	241.00 N-m	8.20
Y	--	50 Hz	415 V	75.00 kW	2975 r/min	126.00 A	0.870	93.80 %	241.00 N-m	8.90
Y	--	60 Hz	440 V	75.00 kW	3574 r/min	117.00 A	0.890	93.60 %	200.00 N-m	8.80
Y	--	60 Hz	460 V	75.00 kW	3576 r/min	113.00 A	0.880	93.60 %	200.00 N-m	9.60

Connection Configuration:	Y
Temperature Class Default:	--
Input Voltage (U_{in}):	400 V
Frequency (f):	50 Hz
Output Power:	75 kW
Altitude:	1000 m
Ambient Temperature:	40 °C
IC Class:	IC411
IE Class Data (50 Hz):	IE Class IE2 Full Load (100%) 93.8 % Partial Load (75%) 94.0 % Partial Load (50%) 93.0 %
IE Class Data (60 Hz):	IE Class IE2 Full Load (100%) 93.6 % Partial Load (75%) 93.3 % Partial Load (50%) 91.9 %
IP Class:	IP55
Insulation Class:	ICLF
Direction of Rotation:	Both sides
Number of Poles (High):	2
Two Speed Motor:	No
Type of Duty:	S1
Voltage Code:	S

Mechanical

Frame Material:	Aluminum
Frame Size:	250
Bearing:	6315-2Z/C3
Bearing NDE:	6213-2Z/C3

IM Class: IMB3 IM1001

Terminator Box Location: D-End top

Dimensions

Product Net Depth / Length: 884 mm

Product Net Height: 627 mm

Product Net Width: 473 mm

Product Net Weight: 351 kg

Gross Weight: 361 kg

Environmental

WEEE Category: 4. Large Equipment (Any External Dimension More Than 50 cm)

SCIP: 27ac6190-e1ce-4080-8654-6552aaabbe58 Finland

External Classifications and Standards

UNSPSC: 26101100

Categories

Products > Motors and Generators > IEC Low Voltage AC Motors > General Performance Motors > IE2 High Efficiency Aluminum Motors

