



PRODUCT-DETAILS

3GAA202420-BSG

IE2 High Efficiency Aluminum Motors, 37 kW, 400 V (3GAA202420-BSG)



General Information	
Product ID	3GAA202420-BSG
ABB Type Designation	M3AA 200MLB 4
Catalog Description	IE2 High Efficiency Aluminum Motors, 37 kW, 400 V (3GAA202420-BSG)

Ordering	
ABB Type Designation	M3AA 200MLB 4
Invoice Description	M3AA 200MLB 4
Product Name	3-Phase squirrel cage motor
Product Type	3AA2__M3AA_IE2_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 (OLD)	3GAA202032-BSG
Stocked At (Warehouses)	Menden, Germany

Medium Description	37kW, 4 Poles, Frame Size 200, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA202420-BSG)
Short Description	37kW, 4P, Frame Size 200, 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	400 V	37.00 kW	1479 r/min	67.20 A	0.850	93.40 %	238.00 N·m	7.10
D	--	50 Hz	230 V	37.00 kW	1479 r/min	117.00 A	0.850	93.40 %	238.00 N·m	7.10
Y	--	50 Hz	415 V	37.00 kW	1481 r/min	65.40 A	0.840	93.60 %	238.00 N·m	7.60
Y	--	60 Hz	440 V	37.00 kW	1780 r/min	60.10 A	0.860	93.90 %	198.00 N·m	7.40
Y	--	60 Hz	460 V	37.00 kW	1783 r/min	58.60 A	0.840	94.20 %	198.00 N·m	8.50

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	37 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 93.4 % Partial Load (75%) 94.4 % Partial Load (50%) 94.4 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 93.9 % Partial Load (75%) 94.5 % Partial Load (50%) 94.2 %
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	200
Bearing	6312-2Z/C3
Bearing NDE	6210-2Z/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions	
Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	821 mm
Product Net Height	532 mm
Product Net Width	386 mm
Product Net Weight	234 kg
Gross Weight	244 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 → IE2 High Efficiency Aluminum Motors	

