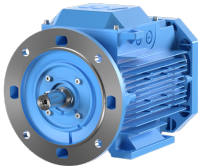




PRODUCT-DETAILS

3GAA112320-HFK

IE3 Premium Efficiency Aluminum Motors, 4 kW, 500 V (3GAA112320-HFK)



General Information	
Product ID	3GAA112320-HFK
ABB Type Designation	M3AA 112MB 4
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 4 kW, 500 V (3GAA112320-HFK)

Ordering	
ABB Type Designation	M3AA 112MB 4
Invoice Description	M3AA 112MB 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)
Customs Tariff Number	85015220
Medium Description	4kW, 4 Poles, Frame Size 112, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA112320-HFK)
Short Description	4kW, 4P, Frame Size 112, 3PH, 500V, 50Hz, IP55, IMB35/IM2001

Electrical

Electrical Data											
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	
Y	--	50 Hz	500 V	4.00 kW	1451 r/min	6.90 A	0.760	88.60 %	26.25 N·m	7.60	
Y	--	60 Hz	575 V	4.00 kW	1755 r/min	6.00 A	0.750	90.10 %	21.74 N·m	8.90	
Connection Configuration											Y
Temperature Class Default											--
Input Voltage (U _{in})											500 V
Frequency (f)											50 Hz
Output Power											4 kW
Altitude											1000 m
Ambient Temperature											40 °C
IC Class											IC411
IE Class Data (50 Hz)											IE Class IE3 Full Load (100%) 88.6 % Partial Load (75%) 89.4 % Partial Load (50%) 89.0 %
IE Class Data (60 Hz)											IE Class IE3 Full Load (100%) 90.1 % Partial Load (75%) 90.5 % Partial Load (50%) 89.5 %
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											F

Mechanical

Frame Material	Aluminum
Frame Size	112
Bearing	6306-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB35 IM2001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	431 mm
Product Net Height	260 mm
Product Net Width	222 mm
Product Net Weight	44 kg
Gross Weight	49 kg

Environmental	
WEEE Category	5. Small Equipment (No 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	

