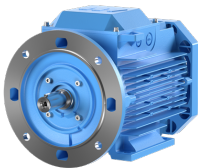


PRODUCT-DETAILS

3GAA112320-HDE436

IE2 High Efficiency Aluminum Motors, 4 kW, 400 V (3GAA112320-HDE436)



General Information	
Product ID	3GAA112320-HDE436
ABB Type Designation	M3AA 112MB 4
Catalog Description	IE2 High Efficiency Aluminum Motors, 4 kW, 400 V (3GAA112320-HDE436)

Ordering	
ABB Type Designation	M3AA 112MB 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	Poland (PL)
Customs Tariff Number	85015220
Stocked At (Warehouses)	Menden, Germany
Medium Description	4kW, 4P, Frame Size 112, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA112320-HDE436)
Short Description	4kW, 4P, Frame Size 112, 3PH, 400V, 50Hz, IP55, IMB35/IM2001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	4.00 kW	1445 r/min	5.00 A	0.750	86.70 %	26.40 N·m	7.30
D	--	50 Hz	400 V	4.00 kW	1445 r/min	8.80 A	0.750	86.70 %	26.40 N·m	7.30
D	--	60 Hz	460 V	4.00 kW	1745 r/min	7.40 A	0.770	87.60 %	21.80 N·m	8.20
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U _{in})										400 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 IE2 Full Load (100%) 86.7 % Partial Load (75%) 86.5 % Partial Load (50%) 85.2 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 87.6 % Partial Load (75%) 87.5 % Partial Load (50%) 85.7 %
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										D

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	393 mm
Product Net Height	249 mm
Product Net Width	230 mm
Product Net Weight	34 kg
Gross Weight	39 kg

Environmental	
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Classifications	
UNSPSC	26101100

Categories	
Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Aluminum Motors	

