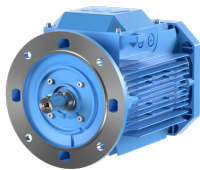




PRODUCT-DETAILS

3GAA134310-BDK

IE3 Premium Efficiency Aluminum Motors, 3 kW,  
400 V (3GAA134310-BDK)



General Information

Product ID	3GAA134310-BDK
ABB Type Designation	M3AA 132MA 8
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 3 kW, 400 V (3GAA134310-BDK)

Ordering

ABB Type Designation	M3AA 132MA 8
Invoice Description	M3AA 132MA 8
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) China (CN)
Customs Tariff Number	85015220
Medium Description	3kW, 8 Poles, Frame Size 132, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA134310-BDK)
Short Description	3kW, 8P, Frame Size 132, 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	690 V	3.00 kW	723 r/min	4.33 A	0.660	83.50 %	39.60 N·m	4.80
D	--	50 Hz	400 V	3.00 kW	723 r/min	7.50 A	0.660	83.50 %	39.60 N·m	4.80
Y	--	50 Hz	660 V	3.00 kW	719 r/min	4.38 A	0.690	83.50 %	39.80 N·m	4.50
D	--	50 Hz	380 V	3.00 kW	719 r/min	7.60 A	0.690	83.50 %	39.80 N·m	4.50
D	--	50 Hz	415 V	3.00 kW	725 r/min	7.58 A	0.640	83.50 %	39.50 N·m	5.00
D	--	60 Hz	460 V	3.00 kW	877 r/min	6.70 A	0.630	86.50 %	32.60 N·m	5.40
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U <sub>in</sub> )										400 V
Frequency (f)										50 Hz
Output Power										3 kW
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE3
										Full Load (100%) 83.5 %
										Partial Load (75%) 83.6 %
										Partial Load (50%) 81.6 %
IE Class Data (60 Hz)										IE Class IE3
										Full Load (100%) 86.5 %
										Partial Load (75%) 86.3 %
										Partial Load (50%) 84.1 %
IP Class										IP55
Insulation Class										ICLF
Direction of Rotation										Both sides
Number of Poles (High)										8
Two Speed Motor										No
Type of Duty										S1
Voltage Code										D

Mechanical

Frame Material	Aluminum
Frame Size	132
Bearing	6208-2Z/C3
Bearing NDE	6206-2Z/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	487 mm
Product Net Height	298 mm
Product Net Width	262 mm
Product Net Weight	60 kg
Gross Weight	65 kg

Environmental

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

