

PRODUCT-DETAILS

3GAA134320-ADE

IE2 High Efficiency Aluminum Motors, 3.8 kW, 400 V (3GAA134320-ADE)



General Information	
Product ID	3GAA134320-ADE
ABB Type Designation	M3AA 132MB 8
Catalog Description	IE2 High Efficiency Aluminum Motors, 3.8 kW, 400 V (3GAA134320-ADE)

Ordering	
ABB Type Designation	M3AA 132MB 8
Invoice Description	M3AA 132MB 8
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	85015220
Medium Description	3.8kW, 8 Poles, Frame Size 132, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA134320-ADE)
Short Description	3.8kW, 8P, Frame Size 132, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	3.80 kW	710 r/min	6.00 A	0.680	76.70 %	51.10 N-m	3.70
D	--	50 Hz	400 V	3.80 kW	710 r/min	10.50 A	0.680	76.70 %	51.10 N-m	3.70
D	--	50 Hz	415 V	3.80 kW	715 r/min	10.80 A	0.640	76.20 %	51.10 N-m	3.70
D	--	60 Hz	460 V	4.40 kW	860 r/min	10.00 A	0.690	80.00 %	48.80 N-m	3.80

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	3.8 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class NA Full Load (100%) 76.2 % Partial Load (75%) 78.1 % Partial Load (50%) 76.2 %
IE Class Data (60 Hz)	IE Class IE1 Full Load (100%) 80.0 % Partial Load (75%) 82.1 % Partial Load (50%) 80.9 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	8
Two Speed Motor	No
Voltage Code	D

Mechanical

Frame Material	Aluminum
Frame Size	132
Bearing	6208-2Z/C3
Bearing NDE	6206-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	487 mm
Product Net Height	296 mm
Product Net Width	262 mm
Product Net Weight	54 kg
Gross Weight	59 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 → IE2 High Efficiency Aluminum Motors	

