

PRODUCT-DETAILS

# 3GAA109522-BDF

(3GAA109522-BDF)



General Information	
Product ID	3GAA109522-BDF
ABB Type Designation	M3AA 100LB 4/8
Catalog Description	(3GAA109522-BDF)

Ordering	
ABB Type Designation	M3AA 100LB 4/8
Invoice Description	M3AA 100LB 4/8
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
Replaced Product ID (OLD)	3GAA108218-BDE

Electrical										
Electrical Data										
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	1.50 kW	1440 r/min	3.70 A	0.820	72.00 %	9.80 N·m	4.60
Y	--	50 Hz	400 V	0.75 kW	700 r/min	2.90 A	0.600	60.00 %	10.00 N·m	2.70

Temperature Class	--
Default	
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class NA Full Load (100%) 60.0 % Partial Load (75%) 57.2 % Partial Load (50%) 51.9 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	4
Two Speed Motor	Yes
Type of Duty	S1
Voltage Code	D

Mechanical	
Frame Material	Aluminum
Frame Size	100
Bearing	6306-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions	
Package Level 1 Units	0 carton
Product Net Weight	23 kg
Gross Weight	28 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

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## Categories

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

