



PRODUCT-DETAILS

3GAA099104-ADF  
(3GAA099104-ADF)



General Information

Product ID	3GAA099104-ADF
ABB Type Designation	M3AA 90S 4/6
Catalog Description	(3GAA099104-ADF)

Ordering

ABB Type Designation	M3AA 90S 4/6
Invoice Description	M3AA 90S 4/6
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

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	0.80 kW	1430 r/min	2.20 A	0.800	68.00 %	5.30 N·m	3.90
Y	--	50 Hz	400 V	0.50 kW	940 r/min	2.00 A	0.660	57.00 %	5.00 N·m	2.80

Temperature Class	--
Default	
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class NA Full Load (100%) 57.0 % Partial Load (75%) 51.5 % Partial Load (50%) 44.6 %
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	90
Bearing	6205-2Z/C3
Bearing NDE	6204-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Weight	13 kg
Gross Weight	16 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

