

PRODUCT-DETAILS

3GAA098102-AHF (3GAA098102-AHF)



General Information

Product ID	3GAA098102-AHF
ABB Type Designation	M3AA 90S 4/8
Catalog Description	(3GAA098102-AHF)

Ordering

ABB Type Designation	M3AA 90S 4/8
Invoice Description	M3AA 90S 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) Romania (RO) Poland (PL)
Customs Tariff Number	85015220
Replaced Product ID (OLD)	3GAA098207-AHE

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	415 V	1.00 kW	1412 r/min	2.40 A	0.800	71.80 %	6.80 N·m	4.10
Y	--	50 Hz	415 V	0.13 kW	703 r/min	0.75 A	0.670	36.10 %	1.77 N·m	2.10

Temperature Class	--
Default	
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class NA Full Load (100%) 36.1 % Partial Load (75%) 28.6 % Partial Load (50%) 23.4 %
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	H

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

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

