



PRODUCT-DETAILS

3GAL092507-HSB  
M3AL 90L 4



General Information	
Product ID	3GAL092507-HSB
ABB Type Designation	M3AL 90L 4
Catalog Description	M3AL 90L 4

Ordering	
ABB Type Designation	M3AL 90L 4
Invoice Description	M3AL 90L 4
Product Name	3Phase Synchronous reluctance motor
Product Type	3AL0_M3AL_SynRM_AA
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI)
Customs Tariff Number	85015220

Electrical	
Electrical Data	

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque
Y	--	50 Hz	400 V	1.50 kW	3000 r/min	3.90 A	0.700	84.20 %	4.80 N·m
Temperature Class Default									--
Altitude									1000 m
Ambient Temperature									40 °C
IC Class									IC411
IE Class Data (50 Hz)									IE Class IE3 Full Load (100%) 84.2 % Partial Load (75%) 82.2 % Partial Load (50%) 77.7 %
IP Class									IP55
Insulation Class									ICLF
Direction of Rotation									Both sides
Number of Poles (High)									4
Two Speed Motor									No
Type of Duty									S9
Voltage Code									S

Mechanical

Frame Material	Aluminum
Frame Size	90
Bearing	6205-2Z/C3
Bearing NDE	6204-2Z/C3
IM Class	IMB35 IM2001
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)
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Classifications

UNSPSC	26101100
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## Categories

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Motors and Generators → IEC Low Voltage AC Motors → Synchronous Reluctance Motors → High Output SynRM Motors

