



PRODUCT-DETAILS

3GAL092513-HSB**M3AL 90LA 4****General Information**

Product ID	3GAL092513-HSB
ABB Type Designation	M3AL 90LA 4
Catalog Description	M3AL 90LA 4

Ordering

ABB Type Designation	M3AL 90LA 4
Invoice Description	M3AL 90LA 4
Product Name	3Phase Synchronous reluctance motor
Product Type	3ALO__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	Operational Voltage
Y	--	50 Hz	400 V	1.10 kW	1500 r/min	2.90 A	0.710	81.40 %	7.00 N·m	380 V

Temperature Class Default	--
Motor Operational Voltage	380 V
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 81.4 % Partial Load (75%) 81.2 % Partial Load (50%) 78.7 %
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

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

