



PRODUCT-DETAILS

3GAL092513-CSB
M3AL 90LA 4



General Information	
Product ID	3GAL092513-CSB
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	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	1.10 kW	1500 r/min	2.90 A	0.710	81.40 %	7.00 N·m
Temperature Class Default									--
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	IMB14 IM3601
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)
---------------	--

Classifications

UNSPSC	26101100
--------	----------

Categories

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

