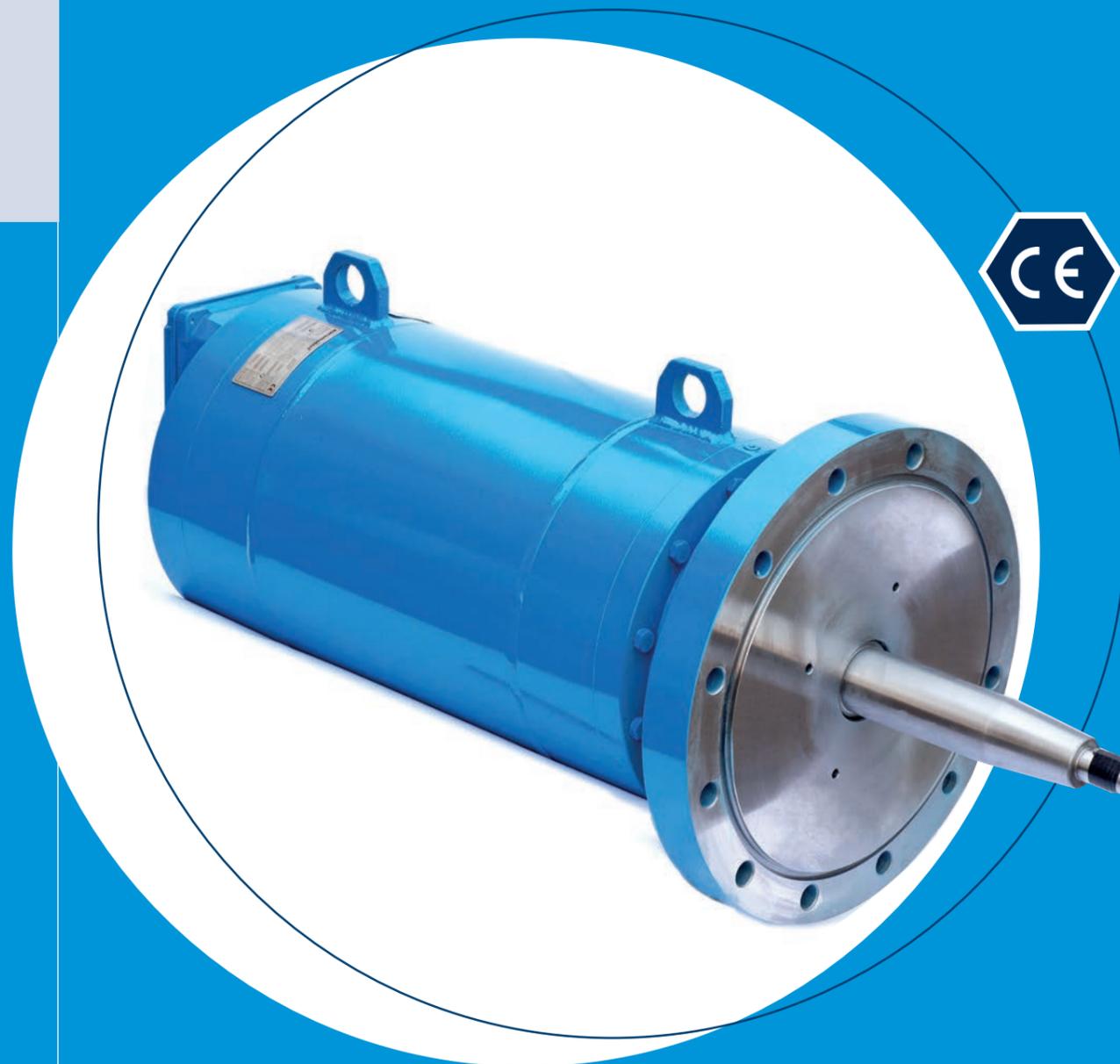


euromotori®



euromotori®		MACHERIO (MB) ITALY	
TIPO MOTORE MOTOR TYPE	LC 100 L - 4 F520	N° MATRICOLA SERIAL NUMBER	LC-270416-100
CE	ANNO COSTRUZIONE YEAR OF BUILD	2016	
CATEGORIA PED PED CATEGORY	II	GRUPPO FLUIDO FLUID GROUP	2
PRESSIONE MAX AMMISSIBILE MAXIMUM ALLOWABLE WORKING PRESSURE	[PS]	10	bar
TEMPERATURA MINIMA / MASSIMA AMMISSIBILE MINIMUM / MAXIMUM ALLOWABLE TEMPERATURE	[TS]	0 / 150	°C
PRESSIONE PROVA IDRAULICA HYDRAULIC PRESSURE TEST	[PT]	15	bar
VOLUME VOLUME	[V]	5,9	litri
CODICE DI CALCOLO CODE OF CALCULATION	VSR rev.95, Ed. '99+ raccolta CTI 2005		
LIVELLO DI VUOTO VACUUM LEVEL	[PS]	1 x 10 ⁻⁴	mmbar

Every care has been taken to ensure the accuracy of the information contained in this publication. The company reserves the right to supply products that may slightly differ from those illustrated and described in this publication.



LC SERIES Liquid cooled motors

Range from 0,55 to 380 kW
100% Made in Italy

euromotori®

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LC SERIES Liquid cooled motors

The LC series are liquid cooled three-phase asynchronous motors. The housing and flanges/shields are made of steel. They are cooled by means of a jacket welded around the main round motor body. The water circulates between the jacket and the motor stator external layer, and cools the motor off, in a very efficient and silent way. The stator external layer is isolated from the other components, making any leakage impossible. For elevated temperatures, also the front bearing housing and shields/flanges can be cooled, with the use of dedicated circuits that would let the water flow around and inside them. Another relevant advantage is that the cooling is independent from the motor speed, thus being an ideal solution for the inverter driven motors.



MAIN FEATURES

- > Powers: from 3 to 300kW (above that possible on demand)
- > Temperatures up to 400°C (inner) and up to 1200°C (outer)
- > Speeds: from 2 to 16 pole, also double speed available
- > Frame sizes: from 100 to 355
- > Voltages/frequencies: up to 690V – 50 or 60Hz
- > IP grade: 55 standard
- > Mounting: usually B5
- > Frame material: steel
- > Shields, flanges material: steel
- > Shafts: made of steel, from C48 to stainless or Inconel steels
- > Nameplates in stainless steel
- > Duties: from S1 to any intermittent duty needed from the driven machine
- > Equipped with PTCs or PT100s temperature sensors
- > Fully tailored upon customers' requirements



Water cooled motors with special shafts

APPLICATIONS

Due to the compact dimensions and to the silent operation, those motors are used in confined and/or hot spaces. The noise level reduction when compared to the equivalent air-cooled motors is in the region of 12%. The main application fields are Industrial and Marine: they are used for metallurgy treatment machinery, plastic extruders, pulp and paper, and compressors, to mention a few.

MECHANICAL VARIANTS

Special flanges (up to 1600 mm) and shafts available
Special steels available (e.g. AISI 316 or AISI 420)

ELECTRICAL VARIANTS

Special voltages or frequencies.
Bimetallic thermal protection (NO, NC), thermistors (PTCs) RTD sensors (PT100s).
Double speeds (both Dahlander or separate windings).
Version for frequency converter operation available.
Class H insulation.
High efficiencies (IE2, IE3 and higher) available.



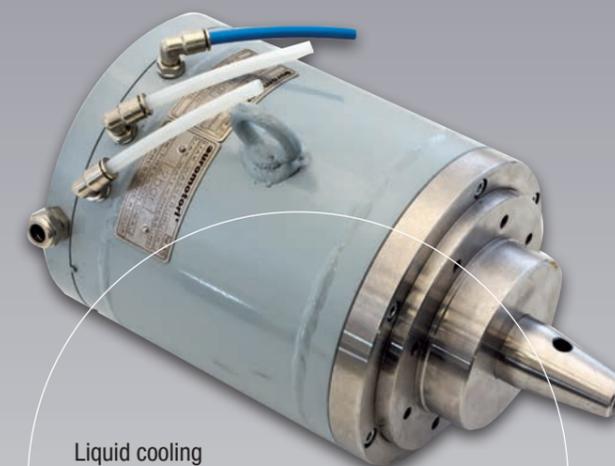
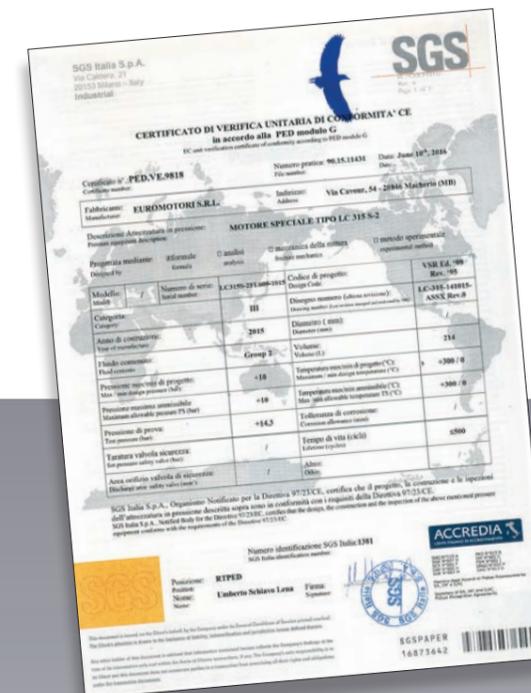
Liquid cooled motor for furnaces with PED certification

FINISHING AND TESTS

Special colors and finishing available (epoxy, for chemically aggressive environments).

CERTIFICATIONS

PED 2014/98/UE individually certified (Pressure Equipment Directive).
For pressures (>0,5 to 55 bar) or void (up to 1x10⁻⁶ mbar).



Liquid cooling and pressure tight construction

