



- (1) **EC-TYPE EXAMINATION CERTIFICATE**
- (2) Equipment or protective system intended for use in potentially explosive atmospheres
Directive 94/9/EC
- (3) EC-Type Examination Certificate nr. **LOM 11ATEX2026 X**
- (4) Equipment or protection system Fans
Types ILT/4-*
- (5) Manufacturer Soler & Palau Sistemas de Ventilación, S.L.U.
- (6) Address C/Llevant, 4
08150 – Parets del Vallès (Barcelona)
SPAIN
- (7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Laboratorio Oficial J.M. Madariaga (LOM), notified body number 0163 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.
The examination and test results are recorded in confidential report nr. **LOM 10.440 OP**
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

-	Standards	EN 60079-0:2009	EN 60079-7:2007	EN 14986:2007
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- (10) If the sign X is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EC-Type Examination Certificate relates only to the design and construction of this specified equipment or protective system in accordance with the Directive 94/9/EC. Further requirements of the Directive apply to the manufacture and supply of this equipment or protective system. These are not covered by this certificate.
- (12) The marking of the equipment or protective system shall include the following:

II 2G Ex e II T3 Gb



Carlos Fernández Ramón
DIRECTOR OF THE LABORATORY

Getafe, 2011-05-06



Angel Vega Remesal
Head of the ATEX

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LABORATORIO OFICIAL J. M. MADARIAGA

(A1) ANNEX

(A2) EC-Type Examination Certificate nr.: **LOM 11ATEX2026 X**

(A3) Description of equipment or protective system

Series of in-line centrifugal fans with a rectangular shape and direct drive with three-phase asynchronous motor, with and without speed regulation. Speed control can be performed by autotransformer type RMT, or frequency inverter type VFTM.

The fan impeller is made of steel or cast aluminium depending on the type. The mouth is made of sheet brass or copper and body in galvanized steel.

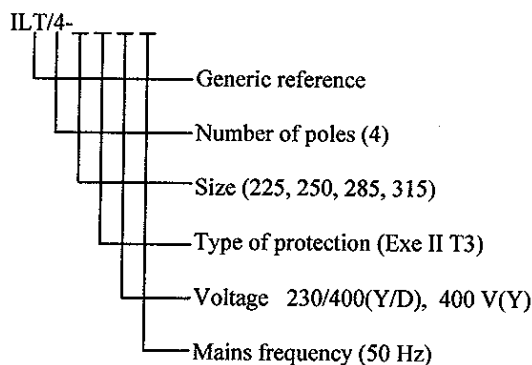
The junction box is external and attached to the motor via cable.

The fan motor can be powered either directly from the mains, or through a specific step autotransformer, or specific frequency. The motor may have PTC probes for thermal protection, using 3 elements in series.

Thermal protection is done by

- In the case of direct connection from the mains supply, the motor is protected by a current-dependent device or by a protection device connected to the motor temperature sensors.
- In all other cases the thermal protection is through the thermal sensors.

Type codification:



Characteristics

Type	Maximum power (W)	Maximum rotation speed r.p.m.	Parameters with direct mains connection	
			Ia/In	t _E (s)
ILT/4-225	565	3440	2,4	41
ILT/4-250	1150	3070	2,8	30
ILT/4-285	1430	2150	2,1	47
ILT/4-315	2300	1700	3,3	16



LABORATORIO OFICIAL J. M. MADARIAGA

(A1) **ANNEX**

(A2) EC-Type Examination Certificate nr.: **LOM 11ATEX2026 X**

(A4) Test report nr **LOM 10.440 OP**

(A5) Special conditions for safe use

- When used in installations without inlet and/or outlet ducts additional protections must be installed to comply with the requirements in ISO 12499 and EN 294.
- Fans may only be powered and protected as indicated by the manufacturer

(A6) Individual tests

Dielectric tests according the paragraph 7.1 of EN 60079-7:2007.

(A7) Essential Health and Safety Requirements

Explosion safe requirements are covered by application of the standards indicated in page 1/3 of this certificate.

(A8) Descriptive documents

	<u>Rev.</u>	<u>Date</u>
- Technical description nr. ATEX 02/2010	-	2011-03-31

