



(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 11ATEX2021 X**

(4) Equipment or protection system Fans
Types T*-.*** Ex e II T3

(5) Manufacturer Soler & Palau Sistemas de Ventilación, S.L.U.

(6) Address Ctra. Puigcerdá s/n
17500 RIPOLL (GERONA)
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 10.447 VP**


(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**

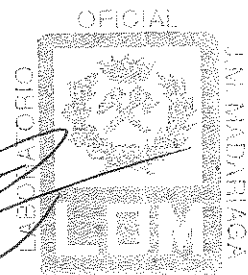
(10) If the sign X is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(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, 2011-03-29



Angel Vega Remesal
Head of the ATEX

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LABORATORIO OFICIAL J. M. MADARIAGA

(A1) **ANEXO**

(A2) EC-Type Examination Certificate nr: **LOM 11ATEX2021 X**

(A3) Description of equipment or protective system

Helico-centrifugal fans with axial flow powered by single phase motor. The body guideline fan and helix are made of aluminium, the rest of the support pieces and mouths in steel. The drive motor is crossed by the flow of air, and the junction box is outside the fan body. The motor capacitor is located also on the outside. This capacitor has a type of protection "Ex q", with certificate SEV 10 ATEX 0154X.

Characteristics

Type	Voltage (V)	Frequency (Hz)	Speed (r.p.m)	Consumed power (W)	Ia/In	t _E (s)
TD-250 Ex e II T3	230	50	2630	197	2,2	59
TD-315 Ex e II T3			2600	170	2,3	51
TH-250 Ex e II T3			2630	197	2,2	59
TH-315 Ex e II T3			2600	170	2,3	51

TH-*** models are equal to the TD-*** except that they have a support skirt and hat for outdoor mounting.

(A4) Test report nr. **LOM 10.447 VP**

(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.
- Should be followed maintenance instructions for motor capacitor.
- These fans are only intended for a clean ambient, and should be monitored regularly to maintain clean the interior of fan and ducts.

(A6) Individual tests

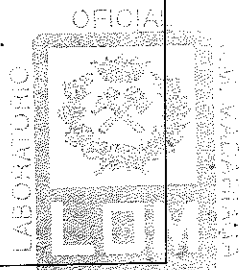
Dielectric tests according the paragraph 7.1 of EN 60079-7:2007.

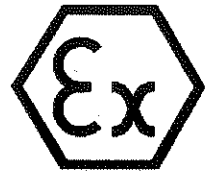
(A7) Essential Health and Safety Requirements

Explosion safe requirements are covered by application of the standards indicated in page 1/2 of this certificate.

(A8) Descriptive documents

- Technical description nr. ATEX 05-2009 - Rev. Date
- 2010-12-13





(1) **EC-TYPE EXAMINATION CERTIFICATE SUPPLEMENT**

(2) Equipment or protective system intended for use in potentially explosive atmospheres
Directive 94/9/EC

(3) Supplement nr. 1 to EC-Type Examination Certificate nr. **LOM 11ATEX2021 X**

(4) Equipment or protection system Fans
Types TD-*/* ATEX ExeIIT3 (230V50Hz)

(5) Manufacturer Soler & Palau Sistemas de Ventilación, S.L.U.

(6) Address C/ Llevant, 4
Pol. Ind. Llevant
08150 – Parets del Vallès (Barcelona)
SPAIN

(7) Test report nr: **LOM 11.410 WP**

(8) Variations included in this certificate

- Change of the type name:
TD-1100/250 ATEX ExeIIT3 (230V50Hz) instead TD-250 ExeIIT3
TH-1100/250 ATEX ExeIIT3 (230V50Hz) instead TH-250 ExeIIT3
TD-1200/315 ATEX ExeIIT3 (230V50Hz) instead TD-315 ExeIIT3
TH-1200/315 ATEX ExeIIT3 (230V50Hz) instead TH-315 ExeIIT3
- Design change to increase the motor ingress protection to IP44

(9) Changes in marking

Those that affect the type name

(10) Changes in individual tests

None

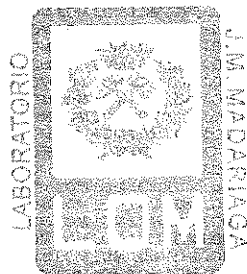
(11) Changes in special conditions for a safe use

The special condition "These fans are only intended for a clean ambient, and should be monitored regularly to maintain clean the interior of fan and ducts" is removed

(11) Descriptive documents

	Rev.	Date
- Description nr.: ATEX 05/2009	I	2011-09-05

Carlos Fernández Ramón
DIRECTOR OF THE LABORATORY



Getafe, 2011-10-18

Angel Vega Remesal
Head of the ATEX

This supplement must be an inseparable part together with the base certificate **LOM 11ATEX2021 X**

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1 SUPPLEMENTARY EU-TYPE EXAMINATION CERTIFICATE

2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres.
Directive 2014/34/EU

3 Supplementary EU-Type Examination Certificate Number **LOM 11ATEX2021X/2** issue **0**

4 Product Fans
Types TD-*/* ATEX ExeIIT3 (230V50Hz)

5 Manufacturer Soler & Palau Sistemas de Ventilación, S.L.U.

6 Address Carretera Puigcerdá s/n
17500 – Ripoll (Gerona)
SPAIN

7 This supplementary certificate extends EC – Type Examination Certificate No. LOM 11ATEX2021X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 Laboratorio Oficial J.M. Madariaga (LOM), Notified Body number 0163 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive

9 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

Getafe,
Signed electronically by:

Certification Committee

RPCER 25.17/4

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13 SCHEDULE

14 Supplementary EU-Type Examination Certificate Number **LOM 11ATEX2021X/2**

15 Description of the variation to the Product

- Alternative use of motor capacitors manufactured by SÜKO types
24 *** ** with certificate SEV 10 ATEX 0154 X
27 *** ** with certificate SEV 17 ATEX 0165 X

- Update to the standards EN 60079-0:2012 y EN 60079-7:2015

- Change of the marking



II 2G Ex eb IIB T3 Gb

16 Report Number 18.726G

17 Specific Conditions of Use

The following condition is added:

- The capacitors should be protected from light as indicated in the manufacturer's instructions

18 Essential Health and Safety Requirements

No changes

19 Documents and drawings

Number	Sheets	Issue	Date	Description
ATEX 18-001	9		2018-01-29	Technical description
			2018	User manual