


## DECLARATION OF CONFORMITY

SOLER AND PALAU, S.A  
Ctra.Puigcerda Km.108  
17500 RIPOLL (Espana)

Declaration that the fans of the ranges:

- COMPACT EX plate axial fans  
Series HCFT, HCGT, HCBT
- COMPACT EX cased axial fans  
Series TCFT, TCGT, TCBT

Marked as  II 2G EEx e II T3 , comply with the directive 94/9/CE (ATEX) relating to the appliances and systems of protection for use in potentially explosive atmospheres.

Certificate : LOM 03ATEX2082 X

Notification of the Quality System according to the Appendix VII of the 94/9/CE Directive (Product Quality Insurance) : LOM 03ATEX9119

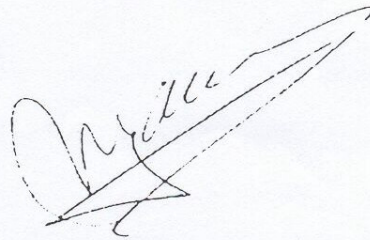
They comply with the following standards and directives:

- Directive of Electromagnetic Compatibility 89/336/CE
- UNE EN60335-1 Electrodomestic apparatus. General requirements.
- CEI 34 Rotating Electrical Machines.

In addition to complying to the relevant mechanical and electrical standards, the products comply with the following European Standards:

- EN 50014 Electrical materials for potentially explosive atmospheres. General requirement.
- EN 50019 Electrical materials for explosive atmospheres increased safety rated "e".

25/07/2003



Marius Gamissans Bou  
S&P Technical Director



(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 number LOM 03ATEX2082 X

(4) Equipment or Protection System Fans  
Series COMPACT, types \*CBT/\*-\*\*\*\*/\* EX \*\*\*

(5) Applicant: Soler y Palau, S.A.

(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 02.091 LP

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
- Standards EN 50014:1997 + A1:1999 + A2:1999  
EN 50019:2000

(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 applies 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 2 G EEx c II T3

Madrid, 3 July 2003

Carlos Fernández Ramón  
DIRECTOR OF THE LABORATORY



Angel Vega Remesal  
Head of TEX area

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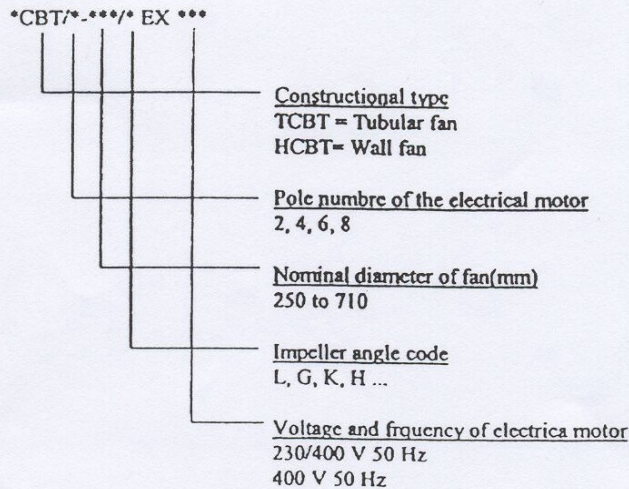
# LABORATORIO OFICIAL J. M. MADARIAGA

(A1) **SCHEDULE**

(A2) EC-Type Examination Certificate: LOM 03ATEX2082 X

(A3) Description of equipment or protective system

Series of fans of axial flow driven by increased safety triphasic electric motor in different sizes and with the following nomenclature of type :



Fan impellers are manufactured in injected aluminium with polyester coating, and the fan casing is made in steel.

Motor connection boxes of tubular fans, types MCTH, are fixed on the motor.

Motor connection boxes of tubular fans, types MCTT, are separated from motor and installed on the external side of fan.

Range of included HCBT wall fans, 4 poles motor

Fan type	Motor Type	Absorbed electrical power (W)	Current (A)	$I_A/I_N$
T/4-315/L	MCHT/4-518	110	0,2	2,5
T/4-315/H	MCHT/4-518	150	0,3	2,5
T/4-355/L	MCHT/4-518	150	0,4	2,5
T/4-355/H	MCHT/4-530	200	0,5	2,5
T/4-400/L	MCHT/4-530	220	0,5	2,5
T/4-400/H	MCHT/4-540	300	0,8	2,5
T/4-450/L	MCHT/4-630	370	0,9	3,5
T/4-450/H	MCHT/4-640	500	1	3,5
T/4-500/L	MCHT/4-640	500	1	3,5
T/4-500/H	MCHT/4-650	660	1,6	3,5
T/4-560/L	MCHT/4-650	660	1,6	3,5
T/4-560/H	MCHT/4665	1210	2,3	4,2
T/4-630/L	MCHT/4-665	1050	2	4,2
T/4-630/H	MCHT/4-690	1550	3	4,2
T/4-710/H	MCHT/4-611	2200	4	4,5

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# LABORATORIO OFICIAL J. M. MADARIAGA

(A1) SCHEDULE

(A2) BC-Type Examination Certificate: LOM 03ATEX2082 X

(A3) Description of equipment or protective system (continue)

Range of included HCBT wall fans, 6 poles motor

Fan type	Motor Type	Absorbed electrical power (W)	Current (A)	$I_A/I_N$
T/6-355/H	MCHT/6-530	90	0,3	2,5
T/6-400/L	MCHT/6-530	100	0,3	2,5
T/6-400/H	MCHT/6-530	110	0,3	2,5
T/6-450/L	MCHT/6-625	160	0,5	3,0
T/6-450/H	MCHT/6-625	190	0,5	3,0
T/6-500/L	MCHT/6-625	190	0,5	3,0
T/6-500/H	MCHT/6-630	250	0,6	3,0
T/6-560/L	MCHT/6-630	280	0,6	3,0
T/6-560/H	MCHT/6-640	410	0,9	3,0
T/6-630/L	MCHT/6-640	400	0,9	3,0
T/6-630/H	MCHT/6-650	600	1,2	3,0
T/6-710/H	MCHT/6-690	1100	3,3	3,0

Range of included HCBT wall fans, 8 poles motor

Fan type	Motor Type	Absorbed electrical power (W)	Current (A)	$I_A/I_N$
T/8-450/L	MCHT/8-625	100	0,4	2,5
T/8-450/H	MCHT/8-625	130	0,4	2,5
T/8-500/L	MCHT/8-625	130	0,4	2,5
T/8-500/H	MCHT/8-625	150	0,4	2,5
T/8-560/L	MCHT/8-650	160	0,4	2,5
T/8-560/H	MCHT/8-630	220	0,6	2,5
T/8-630/L	MCHT/8-630	210	0,6	2,5
T/8-630/H	MCHT/8-640	310	0,8	2,5
T/8-710/H	MCHT/8-665	370	1,2	3,0

Range of included TCBT tubular fans, 4 poles motor

Fan type	Motor Type	Absorbed electrical power (W)	Current (A)	$I_A/I_N$
T/4-315/H	MCTT/4-518	140	0,3	2,5
T/4-355/H	MCTT/4-530	200	0,5	2,5
T/4-400/H	MCTT/4-540	300	0,8	2,5
T/4-450/H	MCTT/4-650	630	1,6	3,5
T/4-500/H	MCTT/4-650	880	1,7	3,5
T/4-560/H	MCTT/4-690	1520	2,8	4,2
T/4-630/L	MCTT/4-690	1900	3,2	4,2
T/4-630/H	MCTT/4-611	2220	4,0	4,2



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# LABORATORIO OFICIAL J. M. MADARIAGA

(A1) **SCHEDULE**

(A2) EC-Type Examination Certificate: **LOM 03ATEX2082 X**

(A3) Description of equipment or protective system (continue)

Range of included TCBT tubular fans, 6 poles motor

Fan type	Motor Type	Absorbed electrical power (W)	Current (A)	$I_A/I_N$
T/6-355/H	MCTT/6-530	90	0,3	2,5
T/6-400/H	MCTT/6-530	110	0,3	2,5
T/6-450/H	MCTT/6-625	200	0,5	3
T/6-500/H	MCTT/6-630	270	0,6	3
T/6-560/H	MCTT/6-640	460	1	3
T/6-630/L	MCTT/6-650	620	1,3	3
T/6-630/H	MCTT/6-690	860	2,7	3
T/6-710/L	MCTT/6-690	1100	2,8	3,5
T/6-710/H	MCTT/6-690	1300	3	3,5

Range of included TCBT tubular fans, 8 poles motor

Fan type	Motor Type	Absorbed electrical power (W)	Current (A)	$I_A/I_N$
T/8-450/H	MCTT/8-625	140	0,5	2,5
T/8-500/H	MCTT/8-625	140	0,5	2,5
T/8-560/H	MCTT/8-630	220	0,6	2,5
T/8-630/H	MCTT/8-640	380	1,1	2,5
T/8-710/H	MCTT/8-665	540	1,2	3,0

Specific parameters:  $t_g=14$  s for MC\*T/4-611 motor  
 $t_g=30$  s for all others

(A4) Tests report nr. **LOM 02.091 LP**

(A5) Special conditions for a safe use

- The conditions indicated by the manufacturer have to be kept to avoid the entry of foreign bodies to the fan by means of the maintenance of the adequate IP degree of protection.

(A6) Individual tests

Each manufactured motor must be submitted to a dielectric test at 1800 Vac according the paragraph 7.1 of the standard EN 50019:2000

(A7) Essential Health and Safety Requirements

Explosion safe requirements regarding electrical risks are covered by application of the standards indicated in page 1/4 of this certificate. And for the ignition risk due to mechanical effects has been taken in account the requirements given in the document TC 305/WG 2/SG 1 WI Doc N 86-1 "Desing of fans working in potentially explosive atmospheres" dc 2002-09.

(A8) Descriptive documents

	Rev.	Date
- Description nr. ATEX 001	0	2003-03-28
- Description nr ATEX 002	0	2003-03-28



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