



Notified body N° 0370



CERTIFICATE

Nr.

0370-CPR-0347

CERTIFICATE OF CONSTANCY OF PERFORMANCE

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

SMOKE AND HEAT CONTROL SYSTEMS. PART 3. SPECIFICATION FOR POWERED SMOKE AND HEAT EXHAUST VENTILATORS: PRODUCT RANGE MAX-TEMP CTHB/CTHT AND CTVB/CTVT F400₁₂₀

Produced by:

SOLER Y PALAU SISTEMAS DE VENTILACIÓN, S.L.U.
C/ LLEVANT, 4
08150 PARETS DEL VALLÈS (BARCELONA)

And produced in the manufacturing plant:

SOLER Y PALAU INDUSTRIES, S.L.U.
CTRA. PUIGCERDA, KM. 108
17500 RIPOLL (GIRONA)

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard

EN 12101-3:2002, EN 12101-3:2002/AC:2005

under system 1 are applied and that **the product fulfils all the prescribed requirements set out above.**

This certificate was first issued on 28th September 2005 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly. It is confirmed and modified on 7th February 2014.

Bellaterra, 7th February 2014

Jordi Brufau Redondo
General Manager

Xavier Ruiz Peña
Product Conformity B.U., Managing Director

This document is not valid without its technical annex, whose number coincides with the number of certificate.

TECHNICAL ANNEX

0370-CPR-0347

CERTIFICATE OF CONSTANCY OF PERFORMANCE

PRODUCT

- Extractor tested out of the furnace
- Extractor F₄₀₀ - 120 min
- Dual use
- Kind of snow: not applicable
- The complete technical data of the certified range are detailed in the technical file and in the range report nº 09-32300855.

Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
Response delay	6.4 & 6.5.2.	NA
Operational reliability	6.7	NA
Effectiveness of smoke/hot gas extraction Performance parameters under fire conditions	6.1, 6.2, 6.3 & 6.8	F400(120)
Resistance to fire: - Smoke leakage - Mechanical stability	6.1.2	PASS
Ability to open under environmental conditions	6.4	NA
	6.5.1	SL0
	6.6	NA

According to Annex A.2 of testing standard UNE EN 12101-3 may use another brand of engines different from this certificate because the engine is out of the draft and the impeller is mounted on the motor shaft. The new engine should have the same kind of isolation, bearing type, assembly class, sync Speedy and nominal capacity that the tested one.

PASS; NPD = No Performance Determined; NA = Not Applicable

TECHNICAL ANNEX

0370-CPR-0347

- The maximum power for models is:

EXTRACTOR		ENGINE SIZE	NUMBER POLES	MAX POWER (KW)
CTVB/4-225	CTHB/4-225	CB/4-530	4	0,18
CTVT/4-225	CTHT/4-225	CT/4-530		
CTVB/4-250	CTHB/4-250	CB/4-630	4	0,325
CTVT/4-250	CTHT/4-250	CT/4-630		
CTVB/4-315	CTHB/4-315	CB/4-650	4	0,62
CTVT/4-315	CTHT/4-315	CT/4-650		
CTVB/4-400	CTHB/4-400	CB/4-690	4	1,1
CTVT/4-400	CTHT/4-400	CT/4-665		
CTVT/4-450	CTHT/4-450	100	4	2,2
CTVT/6-500	CTHT/6-500	100	6	1,5
CTVT/6-560	CTHT/6-560	112	6	2,2
CTVT/6-630	CTHT/6-630	132	6	3
CTVT/6-710	CTHT/6-710	132	6	5,5

- Summary list of fire resistant axial extractor GAMA **MAX-TEMP** CTHB/CTHT and CTVB/CTVT F400 (400°/2H).

EXTRACTOR		ENGINE BRAND	ENGINE SIZE	SPEED (N° POLES)
CTVB/4-225	CTHB/4-225	Soler & Palau	CT/4-530	4
CTVB/4-250	CTHB/4-250	Soler & Palau	CB/4-630	4
CTVB/4-315	CTHB/4-315	Soler & Palau	CB/4-650	4
CTVB/4-400	CTHB/4-400	Soler & Palau	CB/4-690	4
CTVB/6-225	CTHB/6-225	Soler & Palau	CT/6-518	6
CTVB/6-250	CTHB/6-250	Soler & Palau	CB/6-625	6
CTVB/6-315	CTHB/6-315	Soler & Palau	CB/6-625	6
CTVB/6-400	CTHB/6-400	Soler & Palau	CB/6-650	6
CTVB/8-225	CTHB/8-225	Soler & Palau	CT/8-518	8
CTVB/8-250	CTHB/8-250	Soler & Palau	CB/8-625	8
CTVB/8-315	CTHB/8-315	Soler & Palau	CB/8-625	8
CTVB/8-400	CTHB/8-400	Soler & Palau	CB/8-650	8
CTVB/4/8-225	CTHB/4/8-225	Soler & Palau	CT/4/8-530	4/8
CTVB/4/8-250	CTHB/4/8-250	Soler & Palau	CT/4/8-630	4/8
CTVB/4/8-315	CTHB/4/8-315	Soler & Palau	CT/4/8-650	4/8
CTVB/4/8-400	CTHB/4/8-400	Soler & Palau	CT/4/8-690	4/8
CTVT/4-225	CTHT/4-225	Soler & Palau	CT/4-530	4
CTVT/4-250	CTHT/4-250	Soler & Palau	CT/4-630	4
CTVT/4-315	CTHT/4-315	Soler & Palau	CT/4-650	4
CTVT/4-400	CTHT/4-400	Soler & Palau	CT/4-665	4

TECHNICAL ANNEX
0370-CPR-0347

EXTRACTOR		ENGINE BRAND	ENGINE SIZE	SPEED (N° POLES)
CTVT/4-450	CTHT/4-450	ABB	100	4
CTVT/6-225	CTHT/6-225	Soler & Palau	CT/6-518	6
CTVT/6-250	CTHT/6-250	Soler & Palau	CT/6-625	6
CTVT/6-315	CTHT/6-315	Soler & Palau	CT/6-625	6
CTVT/6-400	CTHT/6-400	Soler & Palau	CT/6-640	6
CTVT/6-450	CTHT/6-450	ABB	90	6
CTVT/6-500	CTHT/6-500	ABB	100	6
CTVT/6-560	CTHT/6-560	ABB	112	6
CTVT/6-630	CTHT/6-630	ABB	132	6
CTVT/6-710	CTHT/6-710	ABB	132	6
CTVT/8-225	CTHT/8-225	Soler & Palau	CT/8-518	8
CTVT/8-250	CTHT/8-250	Soler & Palau	CT/8-625	8
CTVT/8-315	CTHT/8-315	Soler & Palau	CT/8-625	8
CTVT/8-400	CTHT/8-400	Soler & Palau	CT/8-640	8
CTVT/8-450	CTHT/8-450	ABB	90	8
CTVT/8-500	CTHT/8-500	ABB	100	8
CTVT/8-560	CTHT/8-560	ABB	100	8
CTVT/8-630	CTHT/8-630	ABB	132	8
CTVT/8-710	CTHT/8-710	ABB	132	8
CTVT/4/8-225	CTHT/4/8-225	Soler & Palau	CT/4/8-530	4/8
CTVT/4/8-250	CTHT/4/8-250	Soler & Palau	CT/4/8-630	4/8
CTVT/4/8-315	CTHT/4/8-315	Soler & Palau	CT/4/8-650	4/8
CTVT/4/8-400	CTHT/4/8-400	Soler & Palau	CT/4/8-665	4/8
CTVT/4/8-450	CTHT/4/8-450	ABB	100	4/8
CTVT/6/12-450	CTHT/6/12-450	ABB	100	6/12
CTHT/6/12-500	CTHT/6/12-500	ABB	100	6/12
CTVT/6/12-560	CTHT/6/12-560	ABB	112	6/12
CTVT/6/12-630	CTHT/6/12-630	ABB	132	6/12
CTVT/6/12-710	CTHT/6/12-710	ABB	132	6/12
CTVT/6/8-450	CTHT/6/8-450	ABB	100	6/8
CTVT/6/8-500	CTHT/6/8-500	ABB	100	6/8
CTVT/6/8-560	CTHT/6/8-560	ABB	112	6/8
CTVT/6/8-630	CTHT/6/8-630	ABB	132	6/8



Notified body N° 0370



CERTIFICATE

Nr.

0370-CPR-1400

CERTIFICATE OF CONSTANCY OF PERFORMANCE

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

SMOKE AND HEAT CONTROL SYSTEMS. PART 3. SPECIFICATION FOR POWERED SMOKE AND HEAT EXHAUST VENTILATORS: PRODUCT RANGE MAX-TEMP CTVT HP F400₁₂₀

Produced by:

SOLER Y PALAU SISTEMAS DE VENTILACIÓN, S.L.U.
C/ LLEVANT, 4
08150 PARETS DEL VALLES (BARCELONA)

And produced in the manufacturing plant:

SOLER Y PALAU INDUSTRIES, S.L.U.
CTRA. PUIGCERDA, KM. 108
17500 RIPOLL (GIRONA)

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard

EN 12101-3:2002, EN 12101-3:2002/AC:2005

under system 1 are applied and that **the product fulfils all the prescribed requirements set out above.**

This certificate was first issued on 28th September 2012 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly. It is confirmed and modified on 7th February 2014.

Bellaterra, 7th February 2014

Jordi Brufau Redondo
General Manager

Xavier Ruiz Peña
Product Conformity B.U., Manager



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TECHNICAL ANNEX**0370-CPR-1400****CERTIFICATE OF CONSTANCY OF PERFORMANCE****PRODUCT**

- Extractor tested outside furnace
- Extractor F400 - 120 min
- Extractors tested at 400 V 50 HZ. Motor TEFC IE2WEG
- Extractors tested with insulator switch "IPM-*/8P". Maximum tested 63/8P
- Dual use
- Extractors can be insulated or not. INS (for insulated version) or Blank (for standard version).
- Vertical air-flow
- Kind of snow: SL1000* (tested in HGHT)
- The complete technical data of the certified range are detailed in the technical file and in the range report nº 12-4372-1391.
- This range can be incorporate the following accessories:
 - ADAPTER PLATE (JPA)
 - FAN SUPPORT (JMS or JBS)
 - Sealing Frame JMS
 - Flat Roof Up stand JBS
 - BACKDRAFT SHUTTER (JCA)
 - FLANGE (JBR)
 - FLEXIBLE COUPLING (JAE)

Note: According to Annex A.2 of the test standard UNE EN 12101-3 a motor brand different from the one in this certificate when the motor is out of the draft and the impeller is assembled on the motor shaft. The new motor should have the same kind of insulation, bearing type, assembly class, speed, synchrony and nominal capacity as the tested motor.

TECHNICAL ANNEX

0370-CPR-1400

Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
Response delay	6.4 & 6.5.2.	NA
Operational reliability	6.7	NA
Effectiveness of smoke/hot gas extraction Performance parameters under fire conditions	6.1, 6.2, 6.3 & 6.8	F400(120)
Resistance to fire: - Smoke leakage - Mechanical stability	6.1.2	PASS
Ability to open under environmental conditions	6.4	NA
	6.5.1	SL0
	6.6	NA

PASS; NPD = No Performance Determined; NA = Not Applicable

Summary list of fire resistant axial extractor **GAMA MAX-TEMP CTVT HP F400₁₂₀**.

ANEXO TÉCNICO 0370-CPR-1400

MAX-TEMP CTVT HP Series

Single-Speed Motor

CTVT HP Model	Motor Size	CTVT HP Model	Motor Size	CTVT HP Model	Motor Size	CTVT HP Model	Motor Size	CTVT HP Model	Motor Size	CTVT HP Model	Motor Size	CTVT HP Model	Motor Size
4-632	5,5 IEC 132	4-631	7,5 IEC 132	4-712	11 IEC 160	4-711	15 IEC 160	4-802	18,5 IEC 180	4-801	22 IEC 180	4-801 INS	22 IEC 180
4-632 INS	5,5 IEC 132	4-631 INS	7,5 IEC 132	4-712 INS	11 IEC 160	4-711 INS	15 IEC 160	4-802 INS	18,5 IEC 180	4-801 INS	22 IEC 180	4-801 INS	22 IEC 180
6-632	2,2 IEC 112	6-631	2,2 IEC 112	6-712	4 IEC 132	6-711	5,5 IEC 132	6-802	5,5 IEC 160	6-801	7,5 IEC 160	6-801 INS	7,5 IEC 160
6-632 INS	2,2 IEC 112	6-631 INS	2,2 IEC 112	6-712 INS	4 IEC 132	6-711 INS	5,5 IEC 132	6-802 INS	5,5 IEC 160	6-801 INS	7,5 IEC 160	6-801 INS	7,5 IEC 160

Two-Speed Motor

CTVT HP Model	Motor Size	CTVT HP Model	Motor Size	CTVT HP Model	Motor Size	CTVT HP Model	Motor Size	CTVT HP Model	Motor Size	CTVT HP Model	Motor Size	CTVT HP Model	Motor Size
4/8-632	5/1,3 IEC 132	4/8-631	7,2/1,8 IEC 132	4/8-712	11/3 IEC 160	4/8-711	14/3,5 IEC 160	4/8-802	17/4,3 IEC 180	4/8-801	20/5 IEC 180	4/8-801	20/5 IEC 180
4/8-632 INS	5,5/0,9 IEC 132	4/8-631 INS	8,4/2,05 IEC 132	4/8-712 INS	10,5/2,2 IEC 160	4/8-711 INS	15,5/2,7 IEC 160	4/8-802 INS	22/4,4 IEC 180	4/8-801 INS	22/4,4 IEC 180	4/8-801 INS	22/4,4 IEC 180
4/6-632	6/2,2 IEC 132	4/6-631	6/2,2 IEC 132	4/6-712	14/4,5 IEC 160	4/6-711	14/4,5 IEC 160	4/6-802	20/8,5 IEC 180	4/6-801	20/8,5 IEC 180	4/6-801	20/8,5 IEC 180
4/6-632 INS	6/2,2 IEC 132	4/6-631 INS	6/2,2 IEC 132	4/6-712 INS	14/4,5 IEC 160	4/6-711 INS	14/4,5 IEC 160	4/6-802 INS	20/8,5 IEC 180	4/6-801 INS	20/8,5 IEC 180	4/6-801 INS	20/8,5 IEC 180