



Notified body N° 0370



CERTIFICATE

Nr.

0370-CPR-1085

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 IFHT F300₍₆₀₎

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:

VENTILADORES CHAYSOL, S.A.
AVDA. ALCOTANES, 45 - P.I. "EL CASCAJAL"
28320 PINTO (MADRID)

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 25th February 2011 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


Applus⁺
LGAI Technological Center, S.A.

Jordi Brufau Redondo
General Manager


Applus⁺
LGAI Technological Center, S.A.

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-1085

CERTIFICATE OF CONSTANCY OF PERFORMANCE

PRODUCT

- Extractor tested outside the furnace and horizontal position
- Extractor F300 - 60 min
- Dual use
- Upstream airflow. Entrance on the lower fan and horizontal air outlet (front)
- Tested at 50 Hz 400 V
- Extractors tested with motor Weg F300-120. (Smoke Extraction Motor-TEAO V2 by WEG)
- Kind of snow: Not apply
- The complete technical data of the certified range are detailed in the technical file and the range report nº 11/2356-1900M1
- The range incorporates as accessory:
 - Switch stop– run Fprotec of Gave, model 25A-6T.
 - It includes protection in the steel suction
 - Box and terminal block
 - Deflectors

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	F300(60)
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

* Note: (The extractors have been tested at 300 °C / 2 hours)

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

TECHNICAL ANNEX 0370-CPR-1085

Summary list of fire-resistant centrifugal extractors IFHT:

IFHT RANGE			
MODEL	POWER (kW)	MOTOR SIZE	POLES
4-50N	1,1	80	4
4/8-50N	1,1/0,18	80	4-8
4-75N	2,2 - 2,3	90L	4
4/8-75N	2,2/0,37 2,3/0,37	90L	4-8
4-100N	2,2 - 2,3	90L	4
4/8-100N	2,2/0,37 2,3/0,37	90L	4-8



Notified body N° 0370



CERTIFICATE

Nr.

0370-CPR-1250

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 IFHT 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:

VENTILADORES CHAYSOL, S.A.
AVDA. ALCOTANES, 45 – P.I. "EL CASCAJAL"
28320 PINTO (MADRID)

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 20th January 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


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LGAI Technological Center, S.A.

Jordi Brufau Redondo
General Manager


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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-1250

CERTIFICATE OF CONSTANCY OF PERFORMANCE

PRODUCT

- Extractor tested inside the furnace
- Extractor F₂₀₀ - 120 min
- Dual use
- Kind of snow: Not apply
- Extractors tested with motors WEG and LEROY SOMMERS three-phases 4 pole
- The complete technical data of the certified range are detailed in the technical file and the range report nº 05-g-238 part A.

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	F200(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

- Summary list of fire extractors **THGT F200₁₂₀**:

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

TECHNICAL ANNEX

0370-CPR-1250

MOTEURS 1 VITESSE 200°C/120 minutes ABB

TYPE THGT	TYPE MOTEUR	TYPE THGT	TYPE MOTEUR	TYPE THGT	TYPE MOTEUR	TYPE THGT	TYPE MOTEUR	TYPE THGT	TYPE MOTEUR	TYPE THGT	TYPE MOTEUR	TYPE THGT	TYPE MOTEUR	TYPE THGT	TYPE MOTEUR
2-564-5	3 100L 4 112M 5.5 132SA 7.5 132SB	2-630-5	4 112M 5.5 132SA 7.5 132SB 11 160MA												
4-564-5	0.75 90S 1.1 90S 1.5 90L	4-630-5	0.75 90S 1.1 90S 1.5 90L 2.2 100LA 3 100LB	4-710-7	1.1 90S 1.5 90L 2.2 100LA 3 100LB 4 112M 5.5 132S 7.5 132M	4-890-3	1.1 90S 1.5 90L 2.2 100LA 3 100LB 4 112M 5.5 132S	4-900-3	1.5 90L 2.2 100LA 3 100LB 4 112M 5.5 132S 7.5 132M	4-1008-3	3 100LB 4 112M 5.5 132S 7.5 132M 11 160M 15 160L 18.5 180M 22 180L 30 200L	4-1250-3	7.5 132M 11 160M 15 160L 18.5 180M 22 180L 30 200L		
						4-890-6	1.5 90L 2.2 100LA 3 100LB 4 112M 5.5 132S 7.5 132M	4-900-6	3 100LB 4 112M 5.5 132S 7.5 132M 11 160M 15 160L	4-1008-6	4 112M 5.5 132S 7.5 132M 11 160M 15 160L 18.5 180M 22 180L	4-1250-6	11 160M 15 160L 18.5 180M 22 180L 30 200L 37 225S		
						4-890-9	2.2 100LA 3 100LB 4 112M 5.5 132S 7.5 132M 11 160M	4-900-9	4 112M 5.5 132S 7.5 132M 11 160M 15 160L 18.5 180M	4-1008-9	5.5 132S 7.5 132M 11 160M 15 160L 18.5 180M 22 180L 30 200L	4-1250-9	15 160L 18.5 180M 22 180L 30 200L 37 225S		
6-564-5	0.75 90S	6-630-5	0.75 90S 1.1 90L	6-710-7	0.75 90S 1.1 90L 1.5 100L	6-890-3	0.75 90S 1.1 90L 1.5 100L	6-900-3	0.75 90S 1.1 90L 1.5 100L 2.2 112M	6-1008-3	1.1 90L 1.5 100L 2.2 112M 3 132S 4 132MA	6-1250-3	3 132S 4 132MA 5.5 132MB 7.5 160M 11 160L		
						6-890-6	0.75 90S 1.1 90L 1.5 100L 2.2 112M	6-900-6	1.1 90L 1.5 100L 2.2 112M 3 132S 4 132MA	6-1008-6	1.5 100L 2.2 112M 3 132S 4 132MA 5.5 132MB 7.5 160M	6-1250-6	4 132MA 5.5 132MB 7.5 160M 11 160L 15 180L		
						6-890-9	0.75 90S 1.1 90L 1.5 100L 2.2 112M 3 132S	6-900-9	1.1 90L 1.5 100L 2.2 112M 3 132S 4 132MA 5.5 132MB	6-1008-9	2.2 112M 3 132S 4 132MA 5.5 132MB 7.5 160M	6-1250-9	5.5 132MB 7.5 160M 11 160L 15 180L 18.5 200MLA 22 200MLB		