



Notified body N° 0370



CERTIFICATE

Nr.

0370-CPR-0359

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. SPECIFICATIONS FOR POWERED SMOKE AND HEAT EXHAUST VENTILATORS: PRODUCT RANGE CVHT y CVHB 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 25th November 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


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

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CERTIFICATE OF CONSTANCY OF PERFORMANCE

PRODUCT

- Extractor tested outside the furnace
- Horizontal air input, vertical air output
- Extractor F₄₀₀ - 120 min
- Dual use
- Tested to 50 Hz
- Kind of snow: Not apply
- Extractors tested with motors ABB and WEG.
- The complete technical data of the certified range are detailed in the technical file and the range report nº 5020844 M2.

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	SLO
	6.6	NA

According to the annex A2 of the test standard UNE EN 12101-3, other motor brand different from the brand specified in this certificate could be used, since the motor is out of the draft and the impeller is assembled on the motor axis. The new motor shall have the same kind of insulation, type of bearing, type of bearings, type of assembly, the same synchrony speed and nominal capacity as the one tested.

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

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Summary list of fire extractors CVHT:

MODEL CVHT-9/9

BRAND	Size (IEC)	Power (KW)	Int. (A)	RPM	Cosφ
ABB	71	0,25	0,74	1410	0,71
	71	0,37	1,05	1420	0,69
	80	0,55	1,4	1390	0,76
	80	0,75	1,9	1410	0,74
	90	1,1	2,59	1410	0,81
WEG	71	0,25	0,81	1400	0,70
	71	0,37	1,19	1380	0,70
	80	0,55	1,29	1400	0,83
	80	0,75	1,74	1395	0,84
	90	1,1	2,60	1410	0,84

MODEL CVHT-10/10

BRAND	Size (IEC)	Power (KW)	Int. (A)	RPM	Cosφ
ABB	71	0,25	0,74	1410	0,71
	71	0,37	1,05	1420	0,69
	80	0,55	1,4	1390	0,76
	80	0,75	1,9	1410	0,74
	90	1,1	2,59	1410	0,81
	90	1,5	3,45	1420	0,79
	100	2,2	4,8	1430	0,81
WEG	71	0,25	0,81	1400	0,70
	71	0,37	1,19	1380	0,70
	80	0,55	1,29	1400	0,83
	80	0,75	1,74	1395	0,84
	90	1,1	2,60	1410	0,84
	90	1,5	3,52	1400	0,82
	100	2,2	4,7	1400	0,86

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MODEL CVHT-12/12

BRAND	Size (IEC)	Power (KW)	Int. (A)	RPM	Cos ϕ
ABB	80	0,55	1,4	1390	0,76
	80	0,75	1,9	1410	0,74
	90	1,1	2,59	1410	0,81
	90	1,5	3,45	1420	0,79
	100	2,2	4,8	1430	0,81
	100	3	6,48	1430	0,81
WEG	80	0,55	1,29	1400	0,83
	80	0,75	1,74	1395	0,84
	90	1,1	2,60	1410	0,84
	90	1,5	3,52	1400	0,82
	100	2,2	4,7	1400	0,86
	100	3	6,34	1410	0,85

MODEL CVHT-15/15

BRAND	Size (IEC)	Power (KW)	Int. (A)	RPM	Cos ϕ
ABB	80	0,75	1,9	1410	0,74
	90	1,1	2,59	1410	0,81
	90	1,5	3,45	1420	0,79
	100	2,2	4,8	1430	0,81
	100	3	6,48	1430	0,81
	112	4	8	1425	0,85
WEG	80	0,75	1,74	1395	0,84
	90	1,1	2,60	1410	0,84
	90	1,5	3,52	1400	0,82
	100	2,2	4,7	1400	0,86
	100	3	6,34	1410	0,85
	112	4	8,5	1440	0,82

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MODEL CVHT-18/18

BRAND	Size (IEC)	Power (KW)	Int. (A)	RPM	Cosφ
ABB	80	0,75	1,9	1410	0,74
	90	1,1	2,59	1410	0,81
	90	1,5	3,45	1420	0,79
	100	2,2	4,8	1430	0,81
	100	3	6,48	1430	0,81
	112	4	8	1425	0,85
	132	5,5	11,1	1450	0,83
	132	7,5	14,8	1450	0,83
WEG	80	0,75	1,74	1395	0,84
	90	1,1	2,60	1410	0,84
	90	1,5	3,52	1400	0,82
	100	2,2	4,7	1400	0,86
	100	3	6,34	1410	0,85
	112	4	8,5	1440	0,82
	132	5,5	10,8	1470	0,83
	132	7,5	14,2	1465	0,86

MODEL CVHT-20/20

BRAND	Size (IEC)	Power (KW)	Int. (A)	RPM	Cosφ
ABB	100	2,2	4,8	1430	0,81
	100	3	6,48	1430	0,81
	112	4	8	1425	0,85
	132	5,5	11,1	1450	0,83
	132	7,5	14,8	1450	0,83
	WEG	100	2,2	4,7	1400
100		3	6,34	1410	0,85
112		4	8,5	1440	0,82
132		5,5	10,8	1470	0,83
132		7,5	14,2	1465	0,86

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MODEL CVHT-22/22

BRAND	Size (IEC)	Power (KW)	Int. (A)	RPM	Cosφ
ABB	100	2,2	4,8	1430	0,81
	100	3	6,48	1430	0,81
	112	4	8	1425	0,85
	132	5,5	11,1	1450	0,83
	132	7,5	14,8	1450	0,83
	160	11	22	1460	0,81
	160	15	29	1460	0,82
WEG	100	2,2	4,7	1400	0,86
	100	3	6,34	1410	0,85
	112	4	8,5	1440	0,82
	132	5,5	10,8	1470	0,83
	132	7,5	14,2	1465	0,86
	160	11	20,7	1460	0,86
	160	15	29,2	1460	0,83

MODEL CVHT-25/25

MARCA	Tamaño (IEC)	Potencia (KW)	Int. (A)	RPM	Cosφ
ABB	100	2,2	4,8	1430	0,81
	100	3	6,48	1430	0,81
	112	4	8	1425	0,85
	132	5,5	11,1	1450	0,83
	132	7,5	14,8	1450	0,83
	160	11	22	1460	0,81
	160	15	29	1460	0,82
WEG	100	2,2	4,7	1400	0,86
	100	3	6,34	1410	0,85
	112	4	8,5	1440	0,82
	132	5,5	10,8	1470	0,83
	132	7,5	14,2	1465	0,86
	160	11	20,7	1460	0,86
	160	15	29,2	1460	0,83

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BRAND	Size (IEC)	Power (KW)	Int. (A)	RPM	Cosφ
ABB	100	3	6,48	1430	0,81
	112	4	8	1425	0,85
	132	5,5	11,1	1450	0,83
	132	7,5	14,8	1450	0,83
	160	11	22	1460	0,81
	160	15	29	1460	0,82
	180	18,5	36,5	1460	0,81
WEG	100	3	6,34	1410	0,85
	112	4	8,5	1440	0,82
	132	5,5	10,8	1470	0,83
	132	7,5	14,2	1465	0,86
	160	11	20,7	1460	0,86
	160	15	29,2	1460	0,83
	180	18,5	34,3	1465	0,86