



Notified body N° 0370



CERTIFICATE

Nr.

0370-CPR-0909

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 HGHT V/H 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 3rd December 2010 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.

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PRODUCT

- Extractor tested inside of the furnace and fan's tested upstream airflow
- Extractor F₄₀₀ - 120 min
- Dual use
- Tested at 50 Hz 400 V
- Extractors tested with motor Weg F400 (Smoke Extraction Motor-TEFC V2 by WEG)
- Kind of snow: SL 1000 (only model V)
- Wind charge (only model H)
- The complete technical data of the certified range are detailed in the technical file and the range report nº 10/100522-62 M1.

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

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Summary list of fire-resistant axial extractors **HGHT H/V**:

HGHT RANGE 4 Poles					
Model	Power (kW)	Motor size	Model	Power (kW)	Motor size
4-800/3	1,1	90S	4-900/3	2,2	100L
	1,5	90L		3	100L
	2,2	100L		4	112M
	3	100L		5,5	132S
	4	112M		7,5	132M
	5,5	132S			
4-800/6	1,5	90L	4-900/6	3	100L
	2,2	100L		4	112M
	3	100L		5,5	132S
	4	112M		7,5	132M
	5,5	132S		9,2	132M
	7,5	132M		11	160M
4-800/9	2,2	100L	4-900/9	15	160L
	3	100L		4	112M
	4	112M		5,5	132S
	5,5	132S		7,5	132M
	7,5	132M		9,2	132M
	9,2	132M		11	160M
4-800/12	11	160M	4-900/12	15	160L
	2,2	100L		18,5	180M
	3	100L		4	112M
	4	112M		5,5	132S
	5,5	132S		7,5	132M
	7,5	132M		9,2	132M
	9,2	132M		11	160M
	11	160M		15	160L
				18,5	180M

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HGHT RANGE 4 Poles					
Model	Power (kW)	Motor size	Model	Power (kW)	Motor size
4-1000/3	3	100L	4-1250/3	7,5	132M
	4	112M		9,2	132M
	5,5	132S		11	160M
	7,5	132M		15	160L
	9,2	132M		18,5	180M
	11	160M		22	180L
	15	160L		30	200M
4-1000/6	4	112M		37	225S/M
	5,5	132S	4-1250/6	11	160M
	7,5	132M		15	160L
	9,2	132M		18,5	180M
	11	160M		22	180L
	15	160L		30	200M
	18,5	180M		37	225S/M
4-1000/9	22	180L	4-1250/9	15	160L
	5,5	132S		18,5	180M
	7,5	132M		22	180L
	9,2	132M		30	200M
	11	160M		37	225S/M
	15	160L	4-1250/12	15	160L
	18,5	180M		18,5	180M
4-1000/12	22	180L		22	180L
	5,5	132S		30	200M
	7,5	132M		37	225S/M
	9,2	132M			
	11	160M			
	15	160L			
	18,5	180M			
	22	180L			

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HGHT RANGE 6 Poles					
Model	Power (kW)	Motor size	Model	Power (kW)	Motor size
6-800/3	0,55	80	6-1000/3	1,1	90L
	0,75	90S		1,5	100L
	1,1	90L		2,2	112M
	1,5	100L		3	132S
6-800/6	0,55	80		4	132M
	0,75	90S	6-1000/6	1,5	100L
	1,1	90L		2,2	112M
	1,5	100L		3	132S
	2,2	112M		4	132M
6-800/9	0,75	90S		5,5	132M
	1,1	90L		7,5	160M
	1,5	100L	6-1000/9	2,2	112M
	2,2	112M		3	132S
	3	132S		4	132M
6-800/12	0,75	90S		5,5	132M
	1,1	90L		7,5	160M
	1,5	100L	6-1000/12	2,2	112M
	2,2	112M		3	132S
	3	132S		4	132M
6-900/3	0,75	90S		5,5	132M
	1,1	90L		7,5	160M
	1,5	100L	6-1250/3	2,2	112M
	2,2	112M		3	132S
6-900/6	1,1	90L		4	132M
	1,5	100L		5,5	132M
	2,2	112M		7,5	160M
	3	132S		9,2	160L
	4	132M		11	160L
6-900/9	1,1	90L	6-1250/6	4	132M
	1,5	100L		5,5	132M
	2,2	112M		7,5	160M
	3	132S		9,2	160L
	4	132M		11	160L
6-900/12	5,5	132M		15	180M
	1,1	90L	6-1250/9	5,5	132M
	1,5	100L		7,5	160M
	2,2	112M		9,2	160L
	3	132S		11	160L
6-900/12	4	132M		15	180M
	5,5	132M		18,5	200L
			6-1250/12	22	200L
				5,5	132M
				7,5	160M
				9,2	160L
				11	160L
				15	180M
				18,5	200L
				22	200L

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HGHT RANGE 4/6 Poles					
Model	Power (kW)	Motor size	Model	Power (kW)	Motor size
4/6-800/3	1,1/0,3	90S	4/6-1000/3	3/1	112M
	1,5/0,37	90L		4,5/1,5	132S
	1,7/06	100L		6/2,2	132M
	2,2/07	100L		7,5/3,5	160M
	3/1	112M		10/3,3	160M
	4,5/1,5	132S		14/4,5	160L
	6/2,2	132M		11/5	180M
4/6-800/6	1,5/0,37	90L	4/6-1000/6	16/6,5	180L
	2,2/07	100L		4,5/1,5	132S
	3/1	112M		6/2,2	132M
	4,5/1,5	132S		7,5/3,5	160M
	6/2,2	132M		10/3,3	160M
4/6-800/9	2,2/0,7	100L		14/4,5	160L
	3/1	112M		11/5	180M
	4,5/1,56	132S		16/6,5	180L
	6/2,2	132M		20/8,5	180L
	7,5/3,5	160M	4/6-1000/9	6/2,2	132M
4/6-800/12	2,2/0,7	100L		7,5/3,5	160M
	3/1	112M		10/3,3	160M
	4,5/1,5	132S		14/4,5	160L
	6/2,2	132M		11/5	180M
4/6-900/3	7,5/3,5	160M		16/6,5	180L
	2,2/0,7	100L	4/6-1000/12	20/8,5	180L
	3/1	112M		6/2,2	132M
	4,5/1,5	132S		7,5/3,5	160M
	6/2,2	132M		10/3,3	160M
4/6-900/6	7,5/3,5	160M		14/4,5	160L
	3/1	112M	4/6-1250/3	11/5	180M
	4,5/1,5	132S		16/6,5	180L
	6/2,2	132M		20/8,5	180L
	7,5/3,5	160M		7,5/3,5	160M
4/6-900/9	10/3,3	160M	4/6-1250/6	10/3,3	160M
	14/4,5	160L		14/4,5	160L
	11/5	180M		11/5	180M
	16/6,5	180L		16/6,5	180L
	4,5/1,5	132S		20/8,5	180L
4/6-900/12	6/2,2	132M	4/6-1250/9	26/9	200L
	7,5/3,5	160M		34/12	225S/M
	10/3,3	160M		14/4,5	160L
	14/4,5	160L		11/5	180M
	11/5	180M		16/6,5	180L
4/6-900/12	16/6,5	180L	4/6-1250/12	20/8,5	180L
	4,5/1,5	132S		26/9	200L
	6/2,2	132M		34/12	225S/M
	7,5/3,5	160M		16/6,5	180L
	10/3,3	160M		20/8,5	180L
	14/4,5	160L		26/9	200L
	11/5	180M		34/12	225S/M
	16/6,5	180L		16/6,5	180L
				20/8,5	180L
				26/9	200L
				34/12	225S/M

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HGHT RANGE 4/8 Poles					
Model	Power (kW)	Motor size	Model	Power (kW)	Motor size
4/8-800/3	1,1/0,18	90S	4/8-900/3	2,2/0,37	100L
	1,5/0,25	90L		2,2/0,55	100L
	1,6/0,4	90L		2,8/0,7	100L
	2,2/0,37	100L		3/0,55	100L
	2,2/0,55	100L		3,8/1	112M
	2,8/0,7	100L		4/0,75	112M
	3/0,55	100L		5/1,3	132S
	3,8/1	112M		5,5/1,1	132M
	4/0,75	112M		7,2/1,8	132M
	5/1,3	132S		7,5/1,5	132M/L
	5,5/1,1	132M		2,8/0,7	100L
				3/0,55	100L
4/8-800/6	1,5/0,25	90L	4/8-900/6	3,8/1	112M
	1,6/0,4	90L		4/0,75	112M
	2,2/0,37	100L		5/1,3	132S
	2,2/0,55	100L		5,5/1,1	132M
	2,8/0,7	100L		7,2/1,8	132M
	3/0,55	100L		7,5/1,5	132M/L
	3,8/1	112M		10/2	160M
	4/0,75	112M		11/3	160M
	5/1,3	132S		14/3	160L
	5,5/1,1	132M		14/3,5	160L
	7,2/1,8	132M		16,5/3,3	180M
	7,5/1,5	132M/L		17/4,3	180L
4/8-800/9	2,2/0,37	100L	4/8-900/9	3,8/1	112M
	2,2/0,55	100L		4/0,75	112M
	2,8/0,7	100L		5/1,3	132S
	3/0,55	100L		5,5/1,1	132M
	3,8/1	112M		7,2/1,8	132M
	4/0,75	112M		7,5/1,5	132M/L
	5/1,3	132S		10/2	160M
	5,5/1,1	132M		11/3	160M
	7,2/1,8	132M		14/3	160L
	7,5/1,5	132M/L		14/3,5	160L
	10/2	160M		16,5/3,3	180M
	11/3	160M		17/4,3	180L
4/8-800/12	2,2/0,37	100L	4/8-900/12	3,8/1	112M
	2,2/0,55	100L		4/0,75	112M
	2,8/0,7	100L		5/1,3	132S
	3/0,55	100L		5,5/1,1	132M
	3,8/1	112M		7,2/1,8	132M
	4/0,75	112M		7,5/1,5	132M/L
	5/1,3	132S		10/2	160M
	5,5/1,1	132M		11/3	160M
	7,2/1,8	132M		14/3	160L
	7,5/1,5	132M/L		14/3,5	160L
	10/2	160M		16,5/3,3	180M
	11/3	160M		17/4,3	180L

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HGHT RANGE 4/8 Poles					
Model	Power (kW)	Motor size	Model	Power (kW)	Motor size
4/8-1000/3	2,8/0,7	100L	4/8-1250/3	7,2/1,8	132M
	3/0,55	100L		7,5/1,5	132M/L
	3,8/1	112M		10/2	160M
	4/0,75	112M		11/3	160M
	5/1,3	132S		14/3	160L
	5,5/1,1	132M		14/3,5	160L
	7,2/1,8	132M		16,5/3,3	180M
	7,5/1,5	132M/L		17/4,3	180L
	10/2	160M		20/4	180L
	11/3	160M		20/5	180L
	14/3	160L		28/6,5	200L
	14/3,5	160L		35/8	200L
				37/9,2	225S/M
4/8-1000/6	3,8/1	112M	4/8-1250/6	14/3	160L
	4/0,75	112M		14/3,5	160L
	5/1,3	132S		16,5/3,3	180M
	5,5/1,1	132M		17/4,3	180L
	7,2/1,8	132M		20/4	180L
	7,5/1,5	132M/L		20/5	180L
	10/2	160M		28/6,5	200L
	11/3	160M		35/8	200L
	14/3	160L		37/9,2	225S/M
	14/3,5	160L		14/3	160L
	16,5/3,3	180M		14/3,5	160L
	17/4,3	180L		16,5/3,3	180M
	20/4	180L		17/4,3	180L
	20/5	180L		20/4	180L
4/8-1000/9	5/1,3	132S	4/8-1250/9	20/5	180L
	5,5/1,1	132M		28/6,5	200L
	7,2/1,8	132M		35/8	200L
	7,5/1,5	132M/L		37/9,2	225S/M
	10/2	160M		14/3	160L
	11/3	160M		14/3,5	160L
	14/3	160L		16,5/3,3	180M
	14/3,5	160L		17/4,3	180L
	16,5/3,3	180M		20/4	180L
	17/4,3	180L		20/5	180L
	20/4	180L		28/6,5	200L
	20/5	180L		35/8	200L
				37/9,2	225S/M
4/8-1000/12	5/1,3	132S	4/8-1250/12	14/3	160L
	5,5/1,1	132M		14/3,5	160L
	7,2/1,8	132M		16,5/3,3	180M
	7,5/1,5	132M/L		17/4,3	180L
	10/2	160M		20/4	180L
	11/3	160M		20/5	180L
	14/3	160L		28/6,5	200L
	14/3,5	160L		35/8	200L
	16,5/3,3	180M		37/9,2	225S/M
	17/4,3	180L			
	20/4	180L			
	20/5	180L			

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HGHT RANGE 6/12 Poles					
Model	Power (kW)	Motor size	Model	Power (kW)	Motor size
6/12-800/3	0,55/0,09	90L	6/12-100/3	1,1/0,18	100L
	0,75/0,12	90L		1,5/0,25	100L
	1,1/0,18	100L		2,2/0,37	112M
	1,5/0,25	100L		3/0,55	132M
6/12-800/6	0,55/0,09	90L	6/12-1000/6	4/0,65	132M
	0,75/0,12	90L		1,5/0,25	100L
	1,1/0,18	100L		2,2/0,37	112M
	1,5/0,25	100L		3/0,55	132M
6/12-800/9	2,2/0,37	112M		4/0,65	132M
	0,75/0,12	90L		6/1,2	160M
	1,1/0,18	100L		7,5/1,5	160L
	1,5/0,25	100L	6/12-1000/9	2,2/0,37	112M
6/12-800/12	2,2/0,37	112M		3/0,55	132M
	0,75/0,12	90L		4/0,65	132M
	1,1/0,18	100L		6/1,2	160M
6/12-900/3	1,5/0,25	100L		7,5/1,5	160L
	2,2/0,37	112M	6/12-1000/12	2,2/0,37	112M
	0,75/0,12	90L		3/0,55	132M
	1,1/0,18	100L		4/0,65	132M
6/12-900/6	1,5/0,25	100L		6/1,2	160M
	2,2/0,37	112M		7,5/1,5	160L
	3/0,55	132M	6/12-1250/3	2,2/0,37	112M
	4/0,65	132M		3/0,55	132M
6/12-900/9	1,5/0,25	100L		4/0,65	132M
	2,2/0,37	112M		6/1,2	160M
	3/0,55	132M		7,5/1,5	160L
	4/0,65	132M	6/12-1250-6	9/1,8	160L
6/12-900/12	6/1,2	160M		12/2,4	180L
	1,5/0,25	100L		4/0,65	132M
	2,2/0,37	112M		6/1,2	160M
6/12-900/12	3/0,55	132M		7,5/1,5	160L
	4/0,65	132M	6/12-1250/9	9/1,8	160L
	6/1,2	160M		12/2,4	180L
				14/3,5	200M
				17/4,3	200L
			6/12-1250/12	20/5	225S/M
				28/6,5	225S/M
				6/1,2	160M
				7,5/1,5	160L
				9/1,8	160L
				12/2,4	180L
				14/3,5	200M
				17/4,3	200L
				20/5	225S/M
				28/6,5	225S/M