



Notified body N° 0370



# CERTIFICATE

No.

0370-CPR-2406

## 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 WMA FIRE F300** <sup>(60)</sup>

Produced by:

**LINDAB AB.**  
**SE-269 82 BÅSTAD**  
**STALHÖGAVÄNEN 117, GREVIE**  
**(SWEDEN)**

And produced in the manufacturing plant:

**15/32301681**

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 15<sup>th</sup> April 2016 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.

**The monitoring assessment will be done before December 2016**

Bellaterra, 15<sup>th</sup> April 2016



LGAI Technological Center, S.A.  
Jordi Brufau Redondo  
General Manager



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-2406**

**CERTIFICATE OF CONSTANCY OF PERFORMANCE**

**PRODUCT**

- Extractor tested inside the furnace
- Extractor F<sub>300</sub> -60 min
- Extractor tested with motor F300 Weg
- Extractor tested at 400 V and 50 Hz and 60 Hz
- Dual use
- Kind of snow: SL0
- The complete technical data of the certified range are detailed in the technical file and in the range report nº 16/10267-512
- From fan sizes 45 to 80 with A2 type blades (6 and 9 blades);
- From fan sizes 90 to 125 with A6 type blades (3 and 6 blades);
- W22 WEG motors from sizes 80 to 132;
- WEG motors from sizes 100 to 225;
- Accessories:
  - All models include ATEX version ("X" ending);
  - Frequency converter reference "VF-PS1" and "Tosvert VF-Nc3" supplied by Toshiba

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

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

- Summary list of fire-resistant helicoidal extractors: **WMA FIRE F300:**

**TECHNICAL ANNEX 0370-CPR-2406**

**CERTIFICATE OF CONSTANCY OF PERFORMANCE**

**RANGES WMA FIRE F300(60) TESTED 2 HOURS  
 ONE-SPEED MOTORS (Three-phase) WEG MOTOR**

**50 Hz 4-poles A2 BLADE**

MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR	
	kW	Size		kW	Size		kW	Size		kW	Size
WMA FIRE 45-T4	0,55	80	WMA FIRE 50-T4	0,55	80	WMA FIRE 56-T4	0,55	80	WMA FIRE 63-T4	0,55	80
	0,75	80		0,75	80		0,75	80		0,75	80
				1,1	90S		1,1	90S		1,1	90S
							1,5	90L		1,5	90L
							2,2	100L		2,2	100L
							3	100L		3	100L
							4	112M			
							5,5	132S			
				7,5	132M						

**60 Hz 4-poles A2 BLADE**

MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR	
	kW	Size		kW	Size		kW	Size		kW	Size
WMA FIRE 45-T4	0,55	80	WMA FIRE 50-T4	0,55	80	WMA FIRE 56-T4	0,75	80	WMA FIRE 63-T4	0,75	80
	0,75	80		0,75	80		1,1	90S		1,1	90S
	1,1	90S		1,1	90S		1,5	90L		1,5	90L
	1,5	90L		1,5	90L		2,2	100L		2,2	100L
						3	100L		3	100L	
									4	112M	
									5,5	132S	
									7,5	132M	

**50 Hz 4-poles A6 BLADE**

MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR	
	kW	Size		kW	Size		kW	Size		kW	Size
WMA FIRE 90-T4	3	100L	WMA FIRE 100-T4	5,5	132S	WMA FIRE 112-T4	5,5	132S	WMA FIRE 125-T4	7,5	132M
	4	112M		7,5	132M		7,5	132M		11	160M
	5,5	132S		11	160M		11	160M		15	160L
	7,5	132M		15	160L		15	160L		18,5	180M
	11	160M		18,5	180M		18,5	180M		22	180L
	15	160L		22	180L		22	180L		30	180L
						30	180L		37	225S/M	
									45	225S/M	

**50 Hz 6-poles A2 BLADE**

MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR	
	kW	Size		kW	Size		kW	Size		kW	Size
WMA FIRE 45-T6	0,55	80	WMA FIRE 50-T6	0,55	80	WMA FIRE 56-T6	0,55	80	WMA FIRE 63-T6	0,55	80

**60 Hz 6-poles A2 BLADE**

MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR	
	kW	Size		kW	Size		kW	Size		kW	Size
WMA FIRE 45-T6	0,55	80	WMA FIRE 50-T6	0,55	80	WMA FIRE 56-T6	0,55	80	WMA FIRE 63-T6	0,55	80
										1,1	100L
										1,1	100L
										1,5	112M

**50 Hz 6-poles A6 BLADE**

MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR			
	kW	Size		kW	Size		kW	Size		kW	Size		
WMA FIRE 90-T6	0,75	90S	WMA FIRE 100-T6	1,1	90L	WMA FIRE 112-T6	1,5	100L	WMA FIRE 125-T6	2,2	112M		
	1,1	90L		1,5	100L		2,2	112M		3	132S		
	1,5	100L		2,2	112M		3	132S		4	132M		
	2,2	112M		3	132S		4	132M		5,5	132M		
	3	132S		4	132M		5,5	132M		7,5	160M		
	4	132M		7,5	160M		11	160L					
												18,5	200L
												22	225M

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**TECHNICAL ANNEX 0370-CPR-2406**

**CERTIFICATE OF CONSTANCY OF PERFORMANCE**

**RANGES WMA FIRE F300(60) TESTED 2 HOURS  
 TWO-SPEED MOTORS (Three-phase) WEG MOTOR**

MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR	
	kW	Size		kW	Size		kW	Size		kW	Size

**50 Hz 4/8 poles A2 BLADE**

MODEL	kW	Size	MODEL	kW	Size	MODEL	kW	Size	MODEL	kW	Size
WMA FIRE 45-T4/T8	0,6/0,15	80	WMA FIRE 50-T4/T8	0,6/0,15	80	WMA FIRE 56-T4/T8	0,6/0,15	80	WMA FIRE 63-T4/T8	0,6/0,15	80
	0,8/0,2	80		0,8/0,2	80		0,8/0,2	80		0,8/0,2	80
		1,2/0,3		90S	1,2/0,3		90S	1,6/0,4		90L	1,2/0,3
		1,2/0,3	90S	1,6/0,4	90L		2,2/0,55	100L		1,6/0,4	90L
				2,2/0,55	100L			2,2/0,55		100L	
				2,8/0,7	100L			2,8/0,7		100L	
				3,8/1	112M			2,8/0,7		100L	
				5/1,3	132S			2,8/0,7	100L		
				7,2/1,8	132M			2,8/0,7	100L		

MODEL	kW	Size
WMA FIRE 71-T4/T8	0,8/0,2	80
	1,2/0,3	90S
	1,6/0,4	90L
	2,2/0,55	100L
	2,8/0,7	100L
	3,8/1	112M

MODEL	kW	Size
WMA FIRE 80-T4/T8	1,2/0,3	90S
	1,6/0,4	90L
	2,2/0,55	100L
	2,8/0,7	100L
	3,8/1	112M
	5/1,3	132S

**50 Hz 4/8 poles A6 BLADE**

MODEL	kW	Size	MODEL	kW	Size	MODEL	kW	Size	MODEL	kW	Size
WMA FIRE 90-T4/T8	2,8/0,7	100L	WMA FIRE 100-T4/T8	3,8/1	112M	WMA FIRE 112-T4/T8	5/1,3	132S	WMA FIRE 125-T4/T8	7,2/1,8	132M/L
	3,8/1	112M		5/1,3	132S		7,2/1,8	132M/L		11/3	160M
	5/1,3	132S		7,2/1,8	132M/L		11/3	160M		14/3,5	160L
	7,2/1,8	132M/L		11/3	160M		14/3,5	160L		17/4,3	180M
	11/3	160M		14/3,5	160L		17/4,3	180M		20/5	180L
	14/3,5	160L		17/4,3	180M		20/5	180L		28/6,5	200L
	17/4,3	180M		20/5	180L		28/6,5	200L		35/8	200L
		28/6,5		200L							

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