



Notified Body No. 0370

CERTIFICATE



No. **0370-CPR-1358**

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 CONTROL VENTILATORS (FANS)

RANGE: **DYNAIR CC-SHT F300** ⁽⁶⁰⁾ & **ELICENT CMP-SHT F300** ⁽⁶⁰⁾

Place on the market under the name of:

MAICO ITALIA, S.P.A.

VIA MAESTRI DEL LAVORO, 12
25017 LONATO - BRESCIA (ITALIA)

And produced in the manufacturing plant:

VIA MAESTRI DEL LAVORO, 12
25017 LONATO - BRESCIA (ITALIA)

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

EN 12101-3:2015

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

This certificate was first issued on 20th July 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 on 6th June 2019.

The monitoring assessment will be done before July 2020

Bellaterra, 6th June 2019


Applus⁺
LGAI Technological Center, S.A.

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



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

TECHNICAL ANNEX 0370-CPR-1358

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PRODUCT

- Fan tested inside the furnace and horizontal position
- Fan F₃₀₀ - 60 min
- Dual use
- Fans tested to 50 Hz and 400V
- The fans were tested with the following elements:
 - An external terminal box.
 - A circular sound attenuator of galvanized steel partially filled with acoustic material in mineral wool.
- Fans tested with WEG motor (IE1 Standard Efficiency-CI 1) and MARAZ F300 2h.
- 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 12/5112-1346

* Note: (The extractors have been tested to 300 °C during 2 hours)

Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
Response delay - Opening under wind load within a given time; - Opening under snow load within a given time.	4.1.1	NA
		NA
Operational reliability - Application categories; - Motor rating.	4.2.2	<ul style="list-style-type: none"> • Thermally uninsulated • Direct/converter feed • Dual purpose use
	4.2.3	NPD
Effectiveness of smoke/hot gas extraction: - Gas flow and pressure maintenance during smoke and heat extraction test.	4.3.2	+/-20% (Ps)
Resistance to fire	4.4	F400(120)
Ability to open under environmental conditions - Opening under wind load within a given time; - Opening under snow load within a given time.	4.5	NA
		NA
Durability of operational reliability	4.6	NPD

PASS; NPD = No Performance Determined, NA = Not Apply

- Summary list of fire-resistant axial s extractors: PRODUCT RANGE **CC-SHT, CMP-SHT F300** (60)



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CC-SHT F300 RANGE			
FAN MODEL	MOTOR SIZE	POWER	NUM POLES
CC-SHT 310 CMP-SHT 310	80	0.75 kW	2
		0.55 kW	4
CC-SHT 350 CMP-SHT 350	80	0.75 kW	2
		0.55 kW	4
CC-SHT 400 CMP-SHT 400	90S	1.5 kW	2
	80	0.55 kW	4
CC-SHT 450 CMP-SHT 450	90L	2.2 kW	2
	80	0.55 kW	4
CC-SHT 500 CMP-SHT 500	90S	1.1 kW	4
		0.75 kW	
	80	0.55 kW	6
		0.37 kW	
CC-SHT 560 CMP-SHT 560	90L	1.5 kW	4
	90S	1.1 kW	
	80	0.75 kW	
		0.55 kW	6
	0.37 kW		
CC-SHT 630 CMP-SHT 630	100L	2.2 kW	4
	90L	1.5 kW	
	90S	1.1 kW	
		0.75 kW	6
	80	0.55 kW	
		0.37 kW	

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CC-SHT, CMP-SHT F300 RANGE				
FAN MODEL	MOTOR SIZE	POWER	NUM POLES	
CC-SHT 710 CMP-SHT 710	100	3.0 kW	4	
		2.2 kW		
	90L	1.5 kW	6	
	90S	0.75 kW		
	80	0.55 kW		
		0.37 kW		
CC-SHT 800 CMP-SHT 800	132S	5.5 kW	4	
	112	4.0 kW		
	100	3.0 kW		
		1.5 kW	6	
	90L	1.1 kW		
	90S	0.75 kW		
CC-SHT 900 CMP-SHT 900	160M	11 kW	4	
	132M	7.5 kW		
	132S	5.5 kW		
	112	4.0 kW		
	132S	3 kW	6	
		112		2.2 kW
		100		1.5 kW
CC-SHT 1000 CMP-SHT1000	160L	15 kW	4	
	160M	11 kW		
		7.5 kW		
	132M	5.5 Kw	6	
		4.0 kW		
	132S	3.0 kW		

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