



Notified Body No. 0370

CERTIFICATE



No. **0370-CPR-1148**

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 FC-HT F400** (120) & **ELICENT TCF-HT F400** (120)

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 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 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-1148

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PRODUCT

- Fan tested outside the furnace
- Fan F400 - 120 min
- Fan tested in vertical position
- Dual use
- Fans tested with motor AEG/LAFERTMOTORS, Cantoni Motors, Motive Motors
- Tested at 50 Hz and 400V
- Kind of snow: Not apply
- The complete technical data of the certified range are detailed in the technical file and the range report nº 14-7983-96
- Summary list of fire-resistant axial extractors RANGE **FC-HT, TCF-HT F400₁₂₀**

FC-HT, TCF-HT RANGE				
MODEL	FAN	MOTOR SIZE	POWER	POLARITY
FC-HT 400 TCF-HT 400	FC-HT 404 TCF-HT 404	80	0.55 kW	4 poles
FC-HT 450 TCF-HT450	FC-HT 454 TCF-HT 454	80	0.75 kW	4 poles
FC-HT 500 TCF-HT 500	FC-HT 504 TCF-HT 504	90	1.1 kW	4 poles
FC-HT 560 TCF-HT 560	FC-HT 566 TCF-HT 566	80	0.55 kW	6 poles
FC-HT 630 TCF-HT 630	FC-HT 636 TCF-HT 636	90	1.1 kW	6 poles
FC-HT 710 TCF-HT 710	FC-HT 716 TCF-HT 716	100	1.5 kW	6 poles
FC-HT 750 TCF-HT 750	FC-HT 756 TCF-HT 756	100	1.8 kW	6 poles
FC-HT 800 TCF-HT 800	FC-HT 806 TCF-HT806	112	3.0 kW	6 poles

Note: According to Annex A.2 of the standard UNE EN 12101-3 It may be use a different type engines, other than the indicated in this certificate, because the engine is out of the air flow and the impeller is not mounted motor shaft. The new motor should have the same kind of isolation bearings type, type of mount, same synchronous speed and rated as the tested.



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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 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

