



Notified Body No. 0370

# CERTIFICATE



No. **0370-CPR-1356**

## 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: **TC 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 20<sup>th</sup> 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 6<sup>th</sup> June 2019.

**The monitoring assessment will be done before July 2020**

Bellaterra, 6th June 2019

  
**Applus<sup>+</sup>**  
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-1356**

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**PRODUCT**

- Fan tested outside the furnace
- Fan F400 -120 min
- Fan tested in vertical position
- Inlet and outlet air flow in vertical direction
- Dual use
- Fans tested with Elektropol Cantoni motor, Motive motor
- Fans tested to 50 Hz and 400V
- Kind of snow: SLO
- The complete technical data of the certified range are detailed in the technical file and in the range report nº 14-7983-95
- Accessories tested:
  - A protection grid made of epoxy painted iron rods.
  - Cover on the fan’s head made of steel.
  - Inlet motor cooling duct made of steel to cover the fan’s electric cables.
- Summary list of fire-resistant axial s extractors: **PRODUCT RANGE TC HT F400<sub>120</sub> (400°/120 min)**

TC-HT RANGE			
FAN MODEL	POWER	POLES	MOTOR SIZE
TC-HT 354	0.25 kW	4 poles	71
TC-HT 404	0.55 kW	4 poles	80
TC-HT 454	0.75 kW	4 poles	
TC-HT 456	0.37 kW	6 poles	
TC-HT 506	0.37 kW	6 poles	
TC-HT 566	0.55 kW	6 poles	
TC-HT 504	1.1 kW	4 poles	90
TC-HT 636	1.1 kW	6 poles	100
TC-HT 716	1.5 kW	6 poles	
TC-HT 756	2.2 kW	6 poles	
TC-HT 806	3.0 kW	6 poles	132

Note: According to Annex A.2 of EN 12101-3, a different motor brand to the one specified in this certificate may be used when the impeller is not mounted on the motor shaft and the motors are out of the airstream, provided that the tested and alternative motors are of the same class of insulation and bearing type and class of fit and same synchronous speed and rating.



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

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

