



Notified Body No. 0370

CERTIFICATE



No. **0370-CPR-3084**

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: **BOX-T HT F400 (DYNAIR)** & **ELIBOX-T HT F400 (ELICENT)**

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 10th August 2018 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-3084

CERTIFICATE OF CONSTANCY OF PERFORMANCE

PRODUCT

- Extractor tested outside the furnace.
- Inlet air flow in horizontal direction and outlet air flow in vertical/horizontal direction
- Extractor F400 (120).
- Dual use.
- Fans tested at 60 Hz.
- Extractors tested with Motor WEG "W22-IE1"
- The fans were tested with the following accessories:
 - External terminal box with reference "G1IN1113","G1IN1114","G1IN1119"and "GW76262" from Maico.
 - Frequency converter with reference "CFW701"fromWEG.
 - Driven belt from SKF.
 - Belt pulley from SKF.
 - Fiberglass woven tape ladder with reference "LTW30025" from Colan Australia of 25 x 3 mm in dimensions (tested on 14/7111-1065, 14/7111-1896 and 14/7111-1907).
 - Galvanized iron belt guard of 1.2mm thick (testedon14/7111-1065). Bearing plummer blocks with reference "SYJ 25 KF" from SKF (tested on 17/14444-1179)

The complete technical data of the certified range **BOX-T HT F400 (DYNAIR) & ELIBOX-T HT F400 (ELICENT)** are detailed in the technical file and the test report nº 17/14444-1490.

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 • Converter feed (driven by frequency converter). • Dual purpose use
		4.2.3
Effectiveness of smoke/hot gas extraction: - Gas flow and pressure maintenance during smoke and heat extraction test.	4.3.2	+/-20% (P _s)
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 Applicable

