

Constancy of Performance Certificate

LGAI Technological Center S.A. (APPLUS), Notified Body No. 0370, issues this certificate to:

APPLICANT

Placed on the market under the name of

Maico Italia, S.r.l.

Via Maestri Del Lavoro, 12
25017 Lonato - Brescia (Italia)

Produced in the manufacturing plant

Via Maestri Del Lavoro, 12
25017 Lonato - Brescia (Italia)

PRODUCT

Smoke and heat control systems. Ventilators (fans)

Range: TAH Roof Fan kit

APPLICABLE REGULATION

Construction Product Regulation (CPR)

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

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** for the performance set out in this certificate are applied and the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

No. 0370-CPR-4405

Date issued: 15/09/2025

First issue date: 10/09/2020

Follow-up date: before 31/07/2026

The validity of this certificate remains valid as long as the harmonised standard, the construction product, the EVCP methods and the manufacturing conditions at the plant are not significantly modified, unless suspended or withdrawn by the notified product certification body.

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



Xavier Ruiz Peña
Managing Director
Conformity Assessment

Applus⁺ certification

LGAI Technological Center S.A. (APPLUS)
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08193 Bellaterra, Barcelona (Spain)



Check the status
of this certificate

Certificate

Technical Annex

Annex according to EN 12101-3:2015

Smoke and heat control systems. Part 3: specification for powered smoke and heat control ventilators (fans)

Certified performances

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 ▪ For use inside and outside a smoke reservoir ▪ Outlet air flow in vertical direction
	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; +50] %
Resistance to fire	4.4	F ₄₀₀ (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

Product

1.- Application:

- Fan tested inside the furnace.
- Fan F400. Test during 120 minutes.
- Dual use.
- Vertical direction of the motor shaft
- Outlet airflow in vertical direction.

3.- Accessories:

- Metal cowl with reference TAH 710 (tested on 19/19650-1648)
- External terminal box with reference GW76262, GW76265, GW76266 from Gewiss.
- Silent blocks with reference KBE 22K 9.6 (tested on 17/14444-1698).
- Pitch lock 30° - 710 placed between hubs (tested on 19/19650-1648)

2.- Characteristics:

- W22 High Efficiency, IE2 F400 by WEG:
 - Motor sizes from 80 to 280.
 - Power up to 54 kW AOM.
 - Rated voltage: 400 V (±10%)
 - Rated frequency: 50 Hz.
 - Fan size from 400 to 1600.
 - 2, 4, 6, 8 poles

The complete technical data of the certified range **TAH Roof Fan kit** are detailed in the technical file and the report n° 20/21630-1494