

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: VA HT F400

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.

The manufacturer, after the completion of the conformity assessment procedures and the declaration of performance, may affix the CE Marking under his responsibility

No. 0370-CPR-6679

Date issued: 15/09/2025

First issue date: 24/02/2023

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the EVCP methods and the manufacturing conditions at the plant are not significantly modified, unless suspended or withdrawn by the notified product certification body.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)
Notified Body No. 0370
Campus UAB. Ronda de la Font del Carme s/n
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. ▪ Installation inside and outside the smoke reservoir. ▪ Direct/Converted 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; +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:

- Extractor tested inside the furnace.
- Extractor F400. Tested during 120 minutes.
- Horizontal/Vertical direction of motor shaft.
- Inlet airflow and outlet airflow in horizontal and vertical direction.

2.- Characteristics:

- Extractors tested with motor W22 High Efficiency, IE2 F400 by WEG motors:
 - Motor sizes from 80 to 280.
 - Rated voltage: 400 V ($\pm 10\%$).
 - Up to 54 kW AOM.
 - Tested at 50 Hz.
 - 2, 4, 6, 8 poles
- Model fans: from 400 to 1600

3.- Accessories:

- External terminal box with reference GW76262, GW76265, GW76266 from Gewiss.
- Silent blocks with reference KBE 22K 9.6.
- Metal cowl with reference TAH 710.
- Pitch lock 30° - 710 placed between hubs.
- Gravity shutter with reference FCS 300-D by MAICO.
- Counter flange made up of galvanized steel.

4.- Additional accessories:

- External terminal box.
- Service Switch.
- Antivibration supports DMHS.
- Inlet cone CCbo.
- High temperature flexible joint CCga-HT.
- Flat protection grid CCr.
- Support feet CCst.
- Counterflange CCf.
- Counterflange with collar CCfc.
- Roof Cover TAH KIT METAL.
- Damper BDD.
- Outlet terminal CCot.

The complete technical data of the certified range **VA HT F400** are detailed in the technical file and the range report n° 20/21630-1494-1 & 22/32300920.