

## 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 F300

### 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-6680

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the EVCP methods and the manufacturing conditions at the plant are not significantly modified, unless suspended or withdrawn by the notified product certification body.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<sup>+</sup>  
certification

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Notified Body No. 0370  
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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"> <li>▪ Thermally uninsulated</li> <li>▪ Direct/Converter feed (driven by frequency converter).</li> <li>▪ Dual purpose use</li> <li>▪ For use inside and outside a smoke reservoir</li> </ul>
	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 <sub>300</sub> (60)
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 F300. Test during 120 minutes.
- Dual use.
- Inlet and outlet airflow in horizontal or vertical direction.

### 3.- Accessories:

- External terminal box with reference "GW 76 262", "GW 76 264", "GW 76 265" and "GW 76 266" (WEG and Marathon motors) and GW76256 (Havells motors) from Gewiss.
- Terminal block with reference "BMC-DIM-6" from WEG (WEG motors) and 653.04T by Scame (Havells motors)
- Silent blocks with reference "DM CS25-500" from DIAMOND WALRAVEN.
- Frequency converter reference "CFW 701 HVRC" model "CFW701D88POT4DBN1C3" from WEG (WEG motors) and VDS/A-RFT-110 (HAVELLS MOTORS).

### 4.- Additional accessories:

- External terminal box
- Service Switch
- Antivibration supports DMHS
- Extension with inspection door CCpro
- 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
- Sine wave filters FN 5040/FN 5045.\*
- Damper BDD
- Outlet terminal CCot

### 2.- Characteristics:

- Motor: "W22 – IE2", F300 WEG motors
  - From sizes 80 to 225
  - Rated voltage motor: 400 V (from 360 V to 440 V)
  - Up to 45 kW
  - 2, 4, 6, 8 poles
  - 50 Hz and 60 Hz
- Motor: IE2, F300 Marathon Electric Motors
  - Rated voltage motor: 400 V (from 360 V to 440 V)
  - From sizes 80 to 280
  - Up to 55 kW
  - 2, 4, 6, 8 poles
  - 50 Hz (60 Hz in models with 4p polarity or greater number of poles)
- Motor: F300 Havells Motors:
  - Rated voltage motor: 400 V (from 360 V to 440 V)
  - From sizes 80 to 280
  - Up to 55 kW
  - 2, 4, 6 poles
  - 50 Hz and 60 Hz
- Motor: F300 IE3 Dynair Motors:
  - Rated voltage motor: 400 V (from 360 V to 440 V)
  - From sizes 80 to 280
  - Up to 55 kW
  - 2, 4, 6 poles (2 poles limited to 7,5 kW and/or motor frame size 132).
  - 50 Hz and 60 Hz

\*When used it's possible to install any frequency converter provided the power of the motor is de-rated by 20 % or by a factor that will result in the DOL or lower temperature rise

The complete technical data of the certified range **VA HT F300** are detailed in the technical file and range report nº 22/32303385-2 & 22/32300920.