

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: CC-JC HT F400 (120)

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-2807

Date issued: 15/09/2025

First issue date: 04/08/2017

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the EVCP methods and the manufacturing conditions at the plant are not significantly modified, unless suspended or withdrawn by the notified product certification body.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/Converter feed (driven by frequency converter). ▪ Dual purpose use ▪ For use inside and outside a smoke reservoir
	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. Test during 120 minutes.
- Dual use.
- Vertical inlet air flow and horizontal outlet air flow

2.- Characteristics:

- Motor: "W22", F400 WEG motors
 - From sizes 90S to 100L
 - Rated voltage: 400 V (from 360 V to 440 V)
 - From 0.3 up to 2.2 kW
 - Polarity: 8p/4p
 - Tested at 60 Hz
- Fan sizes 250 and 300

3.- Accessories:

- The grease used in the C3 bearings of the motor is KRYTOX GPL 225.
- The motor is plugged to the electrical net with an external terminal box by means of a high temperature resistant cable from Cofibam.
- Iron protection grid at the inlet side of the fan.
- Flux straightener made of galvanized steel sheet at the outlet side of the fan.
- External terminal box "1IN1088" by Maico Italia.
- Service switch supplied by E.G.O. Elektro-Geräte AG.
- Frequency converter "DIGIDRIVE SK3403 SK 33T" supplied by LeroySomer.

The complete technical data of the certified range **CC-JC HT F400** are detailed in the technical file and classification reports n° 16/12264-886 P1&P2 M1 & 16/12264-1153 P1&P2.