

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: DYNAIR FC-HT F400 ⁽¹²⁰⁾ & ELICENT TCF-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-1148

Date issued: 15/09/2025

First issue date: 25/02/2011

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the EVCP methods and the manufacturing conditions at the plant are not significantly modified, unless suspended or withdrawn by the notified product certification body.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 ▪ Direct/Converter feed (driven by frequency converter) ▪ Dual purpose use ▪ For use 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:

- Inlet air's flow in vertical direction and outlet air's flow in horizontal direction.
- F400 fan. Tested during 120 minutes.
- Dual use

3.- Accessories:

- A protection grid made of epoxy painted iron rods.
- Cover on the fan's head made of ABS plastic.
- Four iron brackets to join the steel motor support and the base frame

4.- Additional accessories:

- Service Switch.
- Flat protection grid CCr.
- Sine wave filters FN 5040/FN 5045*

2.- Characteristics:

- AEG/LAFERMOTORS, Cantoni Motors:
 - From size 80 to 112.
 - Rated voltage motor: 400 V (from 360 V to 440V).
 - From 0.55 kW to 3 KW.
 - Frequency of 50 Hz.
 - 4 or 6 poles.
- Fan size from 400 to 800.

*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 **DYNAIR FC-HT F400** & **ELICENT TCF-HT F400** are detailed in the technical file and the range report n°14-7983-96 & 22/32300920.