



Notified Body No. 0370

CERTIFICATE



No. **0370-CPR-0314**

CERTIFICATE OF CONSTANCY OF PERFORMANCE

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

SMOKE AND HEAT CONTROL SYSTEMS. PART 3: SPECIFICATION FOR POWERED SMOKE AND HEAT EXHAUST VENTILATORS (FANS)

RANGE: **CYCLONE F400** (120)

Place on the market under the name of:

ALDES AIR & PEOPLE

BOULEVARD JOLIOT CURIE, 20
69694 - VÉNISSIEUX CEDEX (FRANCIA)

And produced in the manufacturing plant:

BOULEVARD JOLIOT CURIE, 20
69694 - VÉNISSIEUX CEDEX (FRANCIA)

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 are applied and that **the product fulfils all the prescribed requirements set out above.**

This certificate was first issued on 24th May 2005 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly. It is confirmed on 18th May 2018.

The monitoring assessment will be done before April 2019

Bellaterra, 18th May 2018


Xaviér Ruiz Peña
Managing Director, Product Conformity B.U.

Applus⁺
LGAI TECHNOLOGICAL CENTER, S.A.



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

TECHNICAL ANNEX 0370-CPR-0314

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PRODUCT

- Extractor tested outside the furnace.
- Extractor F400 (120).
- Dual use.
- Range of smoke and heat control fans CYCLONE F400₍₁₂₀₎:

MODEL	MOTOR	MOTOR SIZE
CYCLONE F400 225	WEG	90-100
CYCLONE F400 250	WEG	90-100-112-132
CYCLONE F400 280	WEG	100-112-132
CYCLONE F400 315	WEG	112-132-160
CYCLONE F400 355	WEG	112-132-160
CYCLONE F400 400	WEG	112-132-160
CYCLONE F400 450	WEG	112-132-160
CYCLONE F400 500	WEG	132-160-180

- Aerodynamic arrangements:
 - Vertical outlet (with vertical kit) or horizontal outlet
 - Motor pulley with variable diameter.

Note: According to Annex A.2 in EN 12101-3, a different engine brand to the one specified in this certificate may be used, due to the engine being outside the air stream, the impeller not being installed on the engine shaft, the engine being at room temperature and the heat from the extractor not affecting engine refrigeration.



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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
	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% (P _s)
Resistance to fire	4.4	F400(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

