

CE CERTIFICATE

Notified Body No. 0370

No. **0370-CPR-4426**

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 CONTROL VENTILATORS (FANS)
RANGE: **AL F4**

Place on the market under the name of:

RUCK VENTILATOREN GmbH

MAX-PLANCK-STR. 5 | D-97944 BOXBERG
DEUTSCHLAND

And produced in the manufacturing plant:

STR. 1 DECEMBRIE 1918 NR. 44/H
TÂRNĂVENI, 545600, ROMANIA

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 20th November 2020 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.

The monitoring assessment will be done before 31st October 2021

Bellaterra, 20th November 2020


LGAI Technological Center, S.A.

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

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

You can check the validity of this certificate on our website: www.appluslaboratories.com/certified_products



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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 Converted feed (driven by frequency converter) Dual purpose use Installation inside and outside the 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% (P _S)
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.
- Dual use.

2.- Characteristics:

- Motor: W22 by WEG
 - Motor sizes: from 80 to 132
 - Poles: 2, 4, 4/2, 6, 8/4
 - Rated Voltage motor: 380 V, 400 V, 415 V (±10%).
 - Rated frequency: 50, 65 Hz
 - Up to 7.2 kW
- Fan diameters: from 315 mm up to 710 mm

3.- Accessories:

- Steel spring isolators reference Isotop® SD 9 by isotop®.
- Inlet grid with reference SG by Ruck.
- Inlet flange reference ESD by Ruck.
- Pipe enlargement with reference RVS by Ruck.
- Mounting feet with reference FAL by Ruck.
- Frequency converter with reference E510 by TECO:
 - Peak to peak value: 1.25 kV
 - du/dt value: 865,57 MV/s
- Switch with reference AB55321F4-A by GAVE.
- Terminal box reference ALS 01050 G by Rose.
- Outlet flange reference RAF by Ruck.
- Backdraft damper reference RVK by Ruck.

The complete technical data of the certified range **AL F4** are detailed in the technical file and the range report nº 20/23151-2285.