

CERTIFICATE OF CONSTANCY OF PERFORMANCE

LGAI Technological Center, S.A. (APPLUS)
Notified Body Nr. 0370

No. **0370-CPR-6214**

In compliance with Regulation (EU) Nr.305/2011 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. VENTILATORS (FANS).

PRODUCT: **MAX-TEMP CTHB/CTHT & CTVB/CTVT F400, MAX-TEMP CTVT HP F400**

Placed on the market under the name of:

S&P SISTEMAS DE VENTILACIÓN, S.L.U.

C/ LLEVANT, 4
08150 PARETS DEL VALLÈS (BARCELONA)

And produced in the manufacturing plant:

22/32307508 (EUROPE)

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 that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on 28th January 2022 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. It is confirmed and modified on 10th February 2023.

The monitoring assessment will be done before 30th November 2023

Bellaterra, 10th February 2023




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

The manufacturer, after the completion of the conformity assessment procedures and the declaration of performance, may affix the CE Marking under his responsibility



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Annex according to **EN 12101-3:2015**

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

MAX-TEMP CTHB/CTHT & CTVB/CTVT F400

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 • For use outside smoke reservoir • Converter 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	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

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PRODUCT

1.- Application:

- Fan tested outside the furnace.
- Fan F400 (120).
- Dual use.
- Vertical direction of the motor shaft

2.- Characteristics:

- Motor: Soler i Palau motors (400 V)
 - 50 Hz: 4p, 6p, 4/8p
- Motor: ABB motors (400/690 V)
 - 50 Hz: 4p, 6p, 4/8p, 6/8p, 6/12p
- Motor: WEG motors (400 V)
 - 50 Hz: 4p, 6p, 4/8p, 6/8p, 6/12p

3.- Accessories:

- BI-xx
- JAE
- JBR
- JBS JBS-V
- JCA JCA N
- JCC
- JMS
- JPA

Note: According to Annex A.2 of the test standard UNE EN 12101-3:2015 a motor brand different from the one in this certificate when the motor is out of the draft and the impeller is assembled on the motor shaft. The new motor should have the same kind of insulation, bearing type, assembly class, speed, synchrony and nominal capacity as the tested motor.

The complete technical data of the certified range **MAX TEMP CTHB-CTHT / CTVB-CTVT F400** are detailed in the technical file and the range report n° 22/32307521 and 20/21609-8 M1.

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MAX-TEMP CTVT HP F400

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 feed • Dual purpose use • To use outside 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 outside the furnace
- Extractor F400 (120)
- Dual use

2.- Characteristics:

- Motor: WEG, ABB
- Rated Voltage motor: 400 – 400/690 V

3.- Accessories:

- BI-xx
- JAE
- JBR
- JBS JBS-V
- JCA JCA N
- JCC
- JMS
- JPA

The complete technical data of the certified range **MAX-TEMP CTVT HP F400** are detailed in the technical file and the range report n° 16/9872-1566 and 20/21609-8 M1.