LGAI Technological Center, S.A. (APPLUS)
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CERTIFICATE OF CONSTANCY OF PERFORMANCE

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

No. 0370-CPR-3915

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 RANGE: **"ARMO-JR 50" F400 Radial Jet**

Placed on the market under the name of:

BAHÇIVAN HAVALANDIRMA SISTEMLERI VE ELEKTRIK MOTORLARI SAN. VE TIC. A.S

ÖMERLI MAH. HADIMKÖY CD. No: 147
34555 ARNAVUTKÖY / İSTANBUL / TÜRKIYE

And produced in the manufacturing plant:

ÖMERLI MAH. HADIMKÖY CD. No: 147
34555 ARNAVUTKÖY / İSTANBUL / TÜRKIYE

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 13th March 2020 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 on 26th July 2024.

The monitoring assessment will be done before 30th June 2025

Bellaterra, 26th July 2024

Applus LGAI Technological Center, S.A.

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

ENAC
CERTIFICACIÓN
ISO 17065
Nº12 / C-PR054

This document is not valid without its technical annex; whose number coincides with the number of 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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Technical Annex Ed. 2
17/07/2020

0370-CPR-3915

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

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

CERTIFIED PERFORMANCE

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	• Thermally uninsulated • Dual use • Converter Feed • Installation inside and outside of the smoke reservoir • Vertical direction of motor shaft.
	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

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PRODUCT

1.- Application:

- Extractor tested inside the furnace.
- Extractor F400. Tested during 120 min.
- Vertical inlet and horizontal outlet of the direction of air flow.
- 7 Galvanized steel blades.
- Inlet air flow in vertical direction and the outlet air flow in horizontal direction.

2.- Characteristics:

- Motor: "90S-08/04" by WEG:
  - Rated Voltage: 400V (±10%).
  - Motor size from 90S.
  - Frequency 50 Hz.
  - Power from 0.3/1.2 kW.
  - 8/4 poles.

3.- Accessories:

- The impeller is coupled directly with the electric motor.
- The motor is plugged to electric net by means of high temperature resistant cable model VSH 1200.
- Protection grid.
- Power terminal.
- Frequency converter

The complete technical data of the certified range **"ARMO-JR 50" F400 Radial Jet** are detailed in the technical file and the classification report nº19-20704-2384 and IC-19-20704-2384.