

FIRE SAFETY CERTIFICATION

PRODUCT APPROVAL



No.

APF-1692

LGAI TECHNOLOGICAL CENTER S.A. (APPLUS), under the requirements of its SPC-102 certifies:

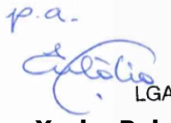

Product range	"ARMO-JR 50" F400 Radial Jet
Company	BAHÇIVAN ELEKTRİK MOTOR SAN. VE TIC. LTD. ŞTİ. ÖMERLİ MAH. HADIMKÖY CD. No: 147 34555 ARNAVUTKÖY / İSTANBUL / TÜRKİYE
Manufactured	ÖMERLİ MAH. HADIMKÖY CD. No: 147 34555 ARNAVUTKÖY / İSTANBUL / TÜRKİYE
Standard Reference	EN 12101-3:2015 "Smoke and heat control systems. Part 3: specification for powered smoke and heat control ventilators (fans)".
Product Details and Test Report	Please check at the technical annex file and the classification report n° 19-20704-2384 & IC-19-20704-2384



Renovation / Modification of the initial certificate issued on 13th March 2020

Valid until 30th June 2021

Bellaterra, 17th July 2020

 Applus⁺ LGAI Technological Center, S.A. Xavier Ruiz Peña Product Conformity B. U., Managing Director	
You can check the validity of this certificate into our website at: https://apps.applus.com/microsites/microsites/FECIP/login	

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

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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	<ul style="list-style-type: none"> • 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% (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 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