

FIRE SAFETY CERTIFICATION

PRODUCT APPROVAL



No.

APF-1503

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

Product range	"ARMO-JR 50" F300 Radial Jet Fan
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° 19/17774-215 & 19/17774-215-1



Renovation / Modification of the initial certificate issued on 21st June 2019

Valid until 30th June 2021

Bellaterra, 17th July 2020

<p>p.a. Xavier Ruiz Peña Product Conformity B. U., Managing Director</p>	
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 Direct Feed Installation inside and outside of the smoke reservoir
	4.2.3	H, 80
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 ₃₀₀ (60)
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	H, 80

PASS; NPD = No Performance Determined; NA = Not Applicable

PRODUCT

1.- Application:

- Fan tested inside the furnace.
- F300 fan. Tested during 120 minutes.
- Dual purpose ventilator.
- Vertical inlet and horizontal outlet air flow direction.

2.- Characteristics:

- Motor: "W22" by WEG:
 - Rated Voltage: 440V (±10%).
 - Motor size: 90S.
 - Frequency 50 Hz.
 - Power from 0.3/1.2 kW.
 - 2/4 poles.

3.- Accessories:

- Direct driven fixing between motor and fan.
- The grease used in C3 bearings motor is "MOBIL POLYREX EM".
- Terminal box with reference "M25-M32-M40-M50" ÖZ-ER Elektrik.
- Terminal block with reference "MIM5 MOTOR KLEMENSI" by Megisan Elektrik.
- The connection between the terminal box and the electrical net is made using high temperature cable with reference "Silicable® MV-VS" of Omerin.
- One protection grille with reference "TEL KAFES-JR050" by BVN, placed at the inlet of the fan.