



Date: 26/07/2024

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	19-17774-215 M1 (test report) 20/23860-2428 (test report)	CERTIFICATE NUMBER	APF - 1503
DATE OF ISSUE	08/01/2020 04/02/2021	DATE OF ISSUE	26/07/2024
DATE OF EXPIRY	-	DATE OF EXPIRY	30/06/2025
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	BAHÇIVAN Havalandirma Sistemleri Ve Elektrik Motorlari SAN. Ve Tic. A.S	NAME OF THE BRAND	BVN
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Ömerli Mah. Hadimköy- Istanbul Cd. No: 147 34555, Arnavutköy, Istanbul (Turkey)	MODEL / NO	F300/2hours-RADIAL JET FAN ARMO-JR 50 60 Hz
WEBSITE	www.bvnair.com	LOGO ON THE PRODUCT	
TEL	+90 212 771 48 48	EMAIL	info@bvnair.com





Product Details From Test Report		Reference Test Report page NO
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)	<p>Fan reference "ARMO-JR 50" supplied by Bahçivan with motor from WEG:</p> <ul style="list-style-type: none"> • Motor "90L-08/04" : <ul style="list-style-type: none"> ○ Size 90L ○ Up to 1,6 kW ○ Fans tested at 60 Hz • Motor "W22" : <ul style="list-style-type: none"> ○ Size 90S ○ Up to 1,2 kW ○ Fans tested at 50 Hz • 7 galvanized steel blades 	4
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	<p>EN 12101-3:2015 "Smoke and heat control systems. Part 3: Specification for powered smoke and heat control ventilators (Fans)".</p> <p>It provides test and assessment methods of the characteristics and the compliance criteria of the test assessment results for powered smoke and heat control ventilators (fans) intended to be used as part of a powered smoke and heat control ventilation system in construction works.</p>	5
TEST DESCRIPTION	<p>Performance test of a fan for smoke extraction inside a furnace at 300°C. The fan is operated at ambient temperature, at the maximum speed, for a warm up period. Then, the temperature increases up to 300°C and is maintained at 300°C for 120 minutes. After 15 minutes, the ventilator is switched off for 2 minutes then restarted.</p> <p>The fan is shown to be functioning satisfactorily by its continued ability to provide the initial volume or pressure within the defined limits: The volume flow shall not decrease by more than 10 % and not increase by more than 25 %, or the static pressure difference shall not decrease by more than 20 % and not increase by more than 50 % of that measured at the end of the warm up period of the test.</p>	5
SPECIFICATION OF TEST SPECIMEN	<p>The sample tested:</p> <ul style="list-style-type: none"> • "ARMO-JR 50" by Bahçivan with 7 galvanized steel blades. Motor: "W22" of WEG with the following characteristics: size 90S, 1.2 kW, 1430 rpm, 4/8 poles, 400 V, 50 Hz. • "ARMO-JR 50" by Bahçivan with 7 galvanized steel blades. Motor: "90L-08/04" of WEG with the following characteristics: size 90L, 1,6 kW, 1730 rpm, 4 poles, 400 V, 60 Hz. 	4





TEST RESULT (SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERVATION___/ETC)	PASSED as per EN 12101-3:2015, classified CLASS F300 in all cases (maintenance of integrity properties during 120 minutes, at least, in a furnace at 300°C).	6
PRODUCT APPLICATION GUIDELINE (END USE) (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT___/TO BE CONNECTED WITH___/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ ETC.	<ul style="list-style-type: none"> • Fans for smoke extraction and dual purpose use. • To use inside and outside smoke reservoir. • Vertical inlet and horizontal outlet of the direction of air flow. • Termally uninsulated • Direct/Converter feed 	5





Laboratory and Certification body details			
NAME OF CERTIFICATION BODY	Applus- LGAI Technological Center S.A.	NAME OF TEST FACILITY	Applus- LGAI Technological Center S.A.
CERTIFICATION BODY ADDRESS / REGION <small>(STREET / TOWN / CITY / COUNTRY)</small>	Campus UAB- Ronda de la Font del Carme s/n E-08193 Bellaterra, Barcelona, SPAIN	TEST FACILITY ADDRESS / REGION <small>(STREET / TOWN / CITY / COUNTRY)</small>	Campus UAB- Ronda de la Font del Carme s/n E-08193 Bellaterra, Barcelona, SPAIN
WEBSITE	www.applus.com	WEBSITE	www.applus.com
TEL	+34 93 567 20 00	TEL	+34 93 567 20 00
EMAIL	info@appluslaboratories.com	EMAIL	info@appluslaboratories.com
ACCREDITED BY <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)</small>	ENAC	ACCREDITED BY <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)</small>	ENAC
AS PER <small>(STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)</small>	EN ISO/IEC 17065	AS PER <small>(STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)</small>	EN ISO/IEC 17025
VALIDITY <small>(EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)</small>	UNLIMITED	VALIDITY <small>(EXPIRY DATE OF LABORATORY ACCREDITATION)</small>	UNLIMITED
REFERENCE NUMBER: <small>(CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	12/C-PR054	REFERENCE NUMBER: <small>(THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	Nº 9/LE895
CERTIFICATION MARK			

(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	Kenan Madenci	SIGNATURE	
EMAIL / TEL	k.madenci@bvnair.com +90 530 955 15 52	FACTORY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	Xavier Ruiz Peña	SIGNATURE	
EMAIL / TEL	fire.lab@applus.com +34 93 567 20 00	CERTIFICATION BODY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			

ATTACHMENTS: COPY OF 'CERTIFICATE OF COMPLIANCE ISSUED BY APPLUS

