

CERTIFICATE OF CONSTANCY OF PERFORMANCE

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

No.

0370-CPR-6440

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: **MPC F4**

Placed on the market under the name of:

RUCK VENTILATOREN GmbH

MAX-PLANCK-STR. 5
D-97944 BOXBERG (DEUTSCHLAND)

And produced in the manufacturing plant:

RUCK VENTILATOREN S.R.L.

STR. 1 DECEMBRIE 1918 NR. 44/H
TÂRNĂVENI, 545600, ROMANIA

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 12th August 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 on 28th April 2023.

The monitoring assessment will be done before 31st May 2024

Bellaterra, 28th April 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)

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. • Installation outside the smoke reservoir. • Horizontal direction of the motor shaft. • 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:

- Extractor tested outside the furnace.
- Extractor F400. Tested during 120 minutes.
- Horizontal direction of the motor shaft.
- Dual use.

3.- Accessories:

- Base frame reference MPC-GR 01 by Ruck.
- Rain cover reference RD MPC by Ruck.
- Weather protection reference WSH MPC by Ruck.
- Weather protection grid WSG by Ruck.
- Adapter reference USM by Ruck.
- Closed panel reference UCP by Ruck.
- Transition UQR by Ruck.
- Transition reference NW by Ruck.
- One flange with reference AS by Ruck.
- Frequency converter reference E510 by TECO.
- Mineral wool reference Industrie-und Akistikdämmplatte RPI-5 035 by Rockwool.
- Mineral wool boards reference Geccsatherm® VPG 34 by Geccsat®.
- Terminal box reference DK 0400 G by Hensel.
- Inlet flange reference ESD by Ruck.
- Inlet grid with reference SGE and SGW by Ruck.
- Pipe enlargement with reference RVS by Ruck.
- Outlet flange reference RAF by Ruck.
- Backdraft damper reference RVK by Ruck.
- Flexible duct connector AMT by Alnor® integrated in flexible duct RAS by Ruck.

2.- Characteristics:

- Motor: "Premium Efficiency IE3" by WEG:
 - From sizes 71 to 132.
 - Up to 4,0 kW.
 - 50, 60 and 75 Hz.
 - 2, 4, 6 poles.
- Fan diameters: from 225 mm up to 800 mm.

The complete technical data of the certified range **MPC F4** are detailed in the technical file and the range report nº 22/32305279 M1.