



Constancy of Performance Certificate

LGAI Technological Center S.A. (APPLUS), Notified Body No. 0370, issues this certificate to:

APPLICANT

Placed on the market under the name of

HC PS Car Park Ventilation

Tielenstraat, 19
5145 Rc Waalwijk (The Netherlands)

Produced in the manufacturing plant

Gebroeders Meijer Luchttechniek

Meester Nennstiehlweg, 85
Postbus 2
9367 Zg de Wilp (GN)

PRODUCT

Smoke and heat control systems. Ventilators (fans)

Product Range: IDV-HC-50v2 & IDV-HC-100v2 F300 ⁽⁶⁰⁾

APPLICABLE REGULATION

Construction Product Regulation (CPR)

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

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 the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

No. 0370-CPR-1453

Date issued: 30/05/2025

First issue date: 24/05/2013

Follow-up date: before 31/05/2026

The validity of this certificate remains valid as long as the harmonised standard, the construction product, the EVCP methods and the manufacturing conditions at the plant are not significantly modified, unless suspended or withdrawn by the notified product certification body.

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

Xavier Ruiz Peña
Managing Director
Conformity Assessment



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Check the status
of this certificate

Certificate

Technical Annex

Annex according to EN 12101-3:2015

Smoke and heat control systems. Part 3: specification for powered smoke and heat control ventilators (fans)

Certified performances

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 inside and outside the smoke reservoir Direct 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, +50] %
Resistance to fire	4.4	F300(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	NPD

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

Product

- ☐ Extractor tested inside the furnace.
- ☐ Vertical inlet airflow and horizontal outlet airflow.
- ☐ Extractor F300 (60). Tested during 120 min.
- ☐ Dual use.
- ☐ Extractors tested with Motor Leroy Sommer and WEG (50/60 Hz).
- ☐ List of the fire-resistant fans:

Model	Motor brand	Motor size	Power	Voltage	Nº poles	Speed
IDV-HC-50v2	LEROY SOMER	90L	1,30 / 0,22 kW	400 V	4/8	1420 / 720
	WEG	90S	1,30 / 0,22 kW	400 – 440 V	4/8	1445 / 730
IDV-HC-100v2	LEROY SOMER	100L	2,2 / 0,37 kW	400 V	4/8	1425 / 720
	WEG	100L	2,2 / 0,55 kW	400 V	4/8	1430 / 700

- ☐ The fans were tested with the following accessories:
 - ☒ Metallic protection grid at the inlet of the fan
 - ☒ External switch model “RT2031/2EB/CP/SEHT” by Craig & Derricot

The complete technical data of the certified range **IDV-HC-50v2 and IDV-HC-100v2 F300** are detailed in the technical file and the test reports nº 13/5759-2579 M1, 14/8631-1168 and 15/8631-244.