



Notified Body No. 0370

CERTIFICATE



No.

0370-CPR-0549

CERTIFICATE OF CONSTANCY OF PERFORMANCE

In compliance with Regulation 305/2011/EU 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. PART 3: SPECIFICATION FOR POWERED SMOKE AND HEAT CONTROL VENTILATORS (FANS)

RANGE: **VELONE II F400** (120)

Place on the market under the name of:

ALDES AIR & PEOPLE

BOULEVARD JOLIOT CURIE, 20
69694 - VÉNISSIEUX CEDEX (FRANCIA)

And produced in the manufacturing plant:

BOULEVARD JOLIOT CURIE, 20
69694 - VÉNISSIEUX CEDEX (FRANCIA)

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 are applied and that **the product fulfils all the prescribed requirements set out above.**

This certificate was first issued on 27th September 2007 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly. It is confirmed on 29th May 2020.

The monitoring assessment will be done before 30th April 2021

Bellaterra, 29th May 2020


Applus⁺
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 the number of certificate.

You can check the validity of this certificate into our website at: <https://apps.applus.com/microsites/microsites/FECIP/login>



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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 • 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% (P _S)
Resistance to fire	4.4	F400(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

- Extractor tested outside the furnace.
- Extractor F400 (120).
- Dual use.
- Electrical options:
 - Proximity switch option
 - One-in-all option
 - Pressostat option
- Accessories:
 - Vertical kit
 - Non-return valve
 - Umbrella

Note: According to Annex A.2 in EN 12101-3, a different engine brand to the one specified in this certificate may be used, due to the engine being outside the air stream, the impeller not being installed on the engine shaft, the engine being at room temperature and the heat from the extractor not affecting engine refrigeration.

The complete technical data of the certified range are detailed in the technical file and the range report n° 4002012

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Range of smoke and heat control fans **VELONE II F400 (120)**:

SINGLE-SPEED MOTORS WEG (THREE-PHASE)

MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR	
	kW	Size		kW	Size		kW	Size		kW	Size
4-poles (1500 r/min)											
Velone II 1,2 (280)	0,37	71	Velone II 1,5 (315)	0,37	71	Velone II 3,2 (355)	0,55	80	Velone II 4,5 (400)	0,75	80
Velone II 7,2 (450)	1,1	90S	Velone II 10,5 (500)	1,5	90L						
6-poles (1000 r/min)											
			Velone II 1,5 (315)	0,18	71	Velone II 3,2 (355)	0,18	71	Velone II 4,5 (400)	0,37	80
Velone II 7,2 (450)	0,37	80	Velone II 10,5 (500)	0,55	80	Velone II 8,5 (560)	1,1	90L	Velone II 13 (630)	2,2	112M
Velone II 20 (710)	3,0	132S	Velone II 27 (630)	5,5	132M						
8-poles (750 r/min)											
			Velone II 10,5 (500)	0,37	90S	Velone II 8,5 (560)	0,55	90L	Velone II 13 (630)	1,1	100L
Velone II 20 (710)	1,5	112M	Velone II 27 (630)	3,0	132M						

DOUBLE-SPEED MOTORS WEG (THREE-PHASE)

MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR	
	kW	Size		kW	Size		kW	Size		kW	Size
			Velone II 1,5 (315)	0,37/0,9 0,6/0,15	71 80	Velone II 3,2 (355)	0,6/0,15	80	Velone II 4,5 (400)	0,8/0,2	80
Velone II 7,2 (450)	1,2/0,3	90S	Velone II 10,5 (500)	1,6/0,4	90L						
4/6-poles (1500/1000 r/min)											
				0,75/0,25	80		1,1/0,3	90S		1,5/0,37	90L
6/8-poles (1000/750 r/min)											
						Velone II 8,5 (560)	1,1/0,55	100L	Velone II 13 (630)	2,2/1,3	112M
Velone II 20 (710)	4,0/1,1	132M									
6/12-poles (1000/500 r/min)											
						Velone II 8,5 (560)	1,1/0,22	100L	Velone II 13 (630)	2,2/0,55	112M
Velone II 20 (710)	3,0/0,55	132M									

SINGLE-SPEED MOTORS LAFERT AEG (SINGLE-PHASE)

MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR		MODEL	MOTOR	
	kW	Size		kW	Size		kW	Size		kW	Size
4-poles (1500 r/min)											
Velone II 1,2 (280)	0,25	71	Velone II 1,5 (315)	0,25	71	Velone II 3,2 (355)	0,37	71	Velone II 4,5 (400)	0,75	80
Velone II 7,2 (450)	1,1	90L									