



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 EXHAUST 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 18th May 2018.

The monitoring assessment will be done before April 2019

Bellaterra, 18th May 2018

Xaviér Ruiz Peña
Managing Director, Product Conformity B.U.

Applus⁺
LGAI TECHNOLOGICAL CENTER, S.A.



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

TECHNICAL ANNEX 0370-CPR-0549

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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.

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



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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			
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		
		Velone II 1,5 (315)		0,37/0,9		71	Velone II 3,2 (355)		0,6/0,15		80	Velone II 4,5 (400)		0,8/0,2		80		
				0,6/0,15		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			
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															

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