This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	Alféa Extensa +13	Reg. No.	012-011
Certificate Holder			
Name	Groupe Atlantic		
Address	44 boulevard des Etats-Unis	Zip	85000
City	La Roche Sur Yon	Country	France
Certification Body	RISE CERT		
Name of testing laboratory	SP		
Subtype title	Alféa Extensa +13		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.5 kg		

Model: Alféa Extensa +13

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	14.01 kW	7.84 kW
El input	3.50 kW	3.25 kW
COP	4.00	2.41
Indoor water flow rate	2.48 m³/h	0.86 m³/h

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	151 %	109 %
Prated	11.00 kW	8.00 kW
SCOP	3.85	2.80
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.00 kW	8.20 kW
COP Tj = -7°C	2.60	1.90
Pdh Tj = +2°C	6.10 kW	5.00 kW
COP Tj = +2°C	3.70	2.70
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.30	3.80
Pdh Tj = 12°C	7.40 kW	7.00 kW
COP Tj = 12°C	6.90	4.80
Pdh Tj = Tbiv	10.00 kW	8.20 kW

COP Tj = Tbiv	2.60	1.90
Pdh Tj = TOL	10.00 kW	8.00 kW
COP Tj = TOL	2.20	1.70
Cdh	0.90	0.90
WTOL	55 °C	55 °C
Poff	8 W	8 W
PTO	45 W	22 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.30 kW	1.30 kW
Annual energy consumption Qhe	6062 kWh	6842 kWh

Model: Alféa Extensa A.I. 13

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
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Heat output	14.01 kW	7.84 kW
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EN 12102-1

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EN 14825

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