

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

Summary of	Ideal Boiler Alféa Extensa A.I. 10	Reg. No.	012-SC0140-19
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	RISE		
Subtype title	Ideal Boiler Alféa Extensa A.I. 10		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1.8 kg		
Certification Date	04.04.2020		

## Model: Alféa Extensa A.I. 10

### General Data

Power supply	1x230V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	10.00 kW	7.00 kW
El input	2.49 kW	2.86 kW
COP	4.02	2.45
Indoor water flow rate	1.80 m <sup>3</sup> /h	0.75 m <sup>3</sup> /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

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### 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
$\eta_s$	155 %	113 %
Prated	8.00 kW	8.00 kW
SCOP	3.95	2.90
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	6.70 kW
COP Tj = -7°C	2.40	1.70
Pdh Tj = +2°C	4.50 kW	4.10 kW
COP Tj = +2°C	3.80	2.70
Pdh Tj = +7°C	3.50 kW	3.20 kW
COP Tj = +7°C	5.70	4.10
Pdh Tj = 12°C	4.00 kW	4.00 kW
COP Tj = 12°C	7.20	5.70
Pdh Tj = Tbiv	7.50 kW	6.70 kW

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COP $T_j = T_{biv}$	2.40	1.70
P <sub>dh</sub> $T_j = TOL$	7.00 kW	5.90 kW
COP $T_j = TOL$	2.20	1.40
C <sub>dh</sub>	0.90	0.90
WTOL	55 °C	55 °C
P <sub>off</sub>	5 W	5 W
PTO	43 W	22 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.40 kW	1.70 kW
Annual energy consumption Q <sub>he</sub>	4415 kWh	5415 kWh