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

Summary of	Alféa Extensa +10	Reg. No.	012-010
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 +10		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1.8 kg		

Model: Alféa Extensa +10

General Data	
Power supply	1x230V 50Hz

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 m³/h	0.75 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	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

COP Tj = Tbiv	2.40	1.70
Pdh Tj = TOL	7.00 kW	5.90 kW
COP Tj = TOL	2.20	1.40
Cdh	0.90	0.90
WTOL	55 °C	55 °C
Poff	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 Qhe	4415 kWh	5415 kWh

Model: Alféa Extensa Duo +10

General Data	
Power supply	1x230V 50Hz

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 m³/h	0.75 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	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

COP Tj = Tbiv	2.40	1.70
Pdh Tj = TOL	7.00 kW	5.90 kW
COP Tj = TOL	2.20	1.40
Cdh	0.90	0.90
WTOL	55 °C	55 °C
Poff	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 Qhe	4415 kWh	5415 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	120 %
COP	3.00
Heating up time	1:45 h:min
Standby power input	32.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	249 l

Model: Alféa Extensa A.I. 10

General Data	
Power supply	1x230V 50Hz

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	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
COP Tj = Tbiv	2.40	1.70
Pdh Tj = TOL	7.00 kW	5.90 kW
COP Tj = TOL	2.20	1.40
Cdh	0.90	0.90
WTOL	55 °C	55 °C
Poff	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 Qhe	4415 kWh	5415 kWh

Heating

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

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 m³/h	0.75 m³/h

Model: Alféa Extensa Duo A.I. 10

General Data	
Power supply	1x230V 50Hz

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	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
COP Tj = Tbiv	2.40	1.70
Pdh Tj = TOL	7.00 kW	5.90 kW
COP Tj = TOL	2.20	1.40
Cdh	0.90	0.90
WTOL	55 °C	55 °C
Poff	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 Qhe	4415 kWh	5415 kWh

Heating

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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 m³/h	0.75 m³/h

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Average Climate

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Mixed water at 40°C	249 l