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Login

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		
Subtype title	Alféa Extensa +10		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.8 kg		

Model: Alféa Extensa +10

Configure model	
Model name	Alféa Extensa +10
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz
Phase-out Date	12.03.2024

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

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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	5.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.20	1.40
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Configure model	
Model name	Alféa Extensa Duo +10
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz
Phase-out Date	12.03.2024

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

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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	5.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.20	1.40
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Configure model	
Model name	Alféa Extensa A.I. 10
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz
Phase-out Date	12.03.2024

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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	5.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.20	1.40
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	
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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

Model: Alféa Extensa Duo A.I. 10

Configure model	
Model name	Alféa Extensa Duo A.I. 10
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

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COP Tj = 12°C	7.20	5.70
Pdh Tj = Tbiv	7.50 kW	6.70 kW
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	5.90 kW
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