Login

Summary of	THERMOR Alféa Extensa A.I. size 6	Reg. No.	012-SC0223-19
Certificate Holder			
Name	Groupe Atlantic		
Address	44 boulevard des Etats-Unis	Zip	85000
City	La Roche Sur Yon	Country	France
Certification Body	RISE CERT		
Subtype title	THERMOR Alféa Extensa A.I. size 6		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.1 kg		
Certification Date	05.06.2019		

Model: THERMOR Alféa Extensa Duo A.I. 6

Configure model	
Model name	THERMOR Alféa Extensa Duo A.I. 6
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	6.00 kW	4.50 kW
El input	1.41 kW	1.79 kW
COP	4.26	2.51

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	63 dB(A)	63 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	169 %	115 %
Prated	5.00 kW	5.00 kW
SCOP	4.30	2.95
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.00 kW
COP Tj = -7°C	2.70	1.80
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.20	2.90
Pdh Tj = +7°C	2.30 kW	1.70 kW
COP Tj = +7°C	6.00	4.00
Pdh Tj = 12°C	2.30 kW	2.10 kW
COP Tj = 12°C	8.30	5.80

Pdh Tj = Tbiv	4.60 kW	4.00 kW
COP Tj = Tbiv	2.70	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.50 kW	3.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	6 W	6 W
PTO	23 W	16 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.70 kW	1.00 kW
Annual energy consumption Qhe	2505 kWh	3180 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: THERMOR Alféa Extensa A.I. 6

Configure model	
Model name	THERMOR Alféa Extensa A.I. 6
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	6.00 kW	4.50 kW
El input	1.41 kW	1.79 kW
COP	4.26	2.51

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	63 dB(A)	63 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	169 %	115 %
Prated	5.00 kW	5.00 kW
SCOP	4.30	2.95
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.00 kW
COP Tj = -7°C	2.70	1.80
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.20	2.90
Pdh Tj = +7°C	2.30 kW	1.70 kW
COP Tj = +7°C	6.00	4.00
Pdh Tj = 12°C	2.30 kW	2.10 kW
COP Tj = 12°C	8.30	5.80

Pdh Tj = Tbiv	4.60 kW	4.00 kW
COP Tj = Tbiv	2.70	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.50 kW	3.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	6 W	6 W
PTO	23 W	16 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.70 kW	1.00 kW
Annual energy consumption Qhe	2505 kWh	3180 kWh