

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

Summary of	THERMOR Alféa Extensa A.I. size 8	Reg. No.	012-SC0224-19
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	SP		
Subtype title	THERMOR Alféa Extensa A.I. size 8		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1.4 kg		
Certification Date	05.06.2019		

Model: THERMOR Alf a Extensa Duo A.I. 8

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	7.50 kW	5.00 kW
El input	1.84 kW	1.94 kW
COP	4.08	2.58
Indoor water flow rate	1.30 m ³ /h	0.60 m ³ /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
η_s	156 %	118 %
Prated	7.00 kW	6.00 kW
SCOP	3.97	3.02
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.80 kW	5.30 kW
COP Tj = -7°C	2.40	1.80
Pdh Tj = +2°C	3.50 kW	3.10 kW
COP Tj = +2°C	3.80	2.90
Pdh Tj = +7°C	2.30 kW	2.00 kW
COP Tj = +7°C	5.70	4.10
Pdh Tj = 12°C	2.40 kW	2.20 kW
COP Tj = 12°C	8.20	5.80
Pdh Tj = Tbiv	5.80 kW	5.30 kW

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COP $T_j = T_{biv}$	2.40	1.80
P _{dh} $T_j = TOL$	5.60 kW	4.90 kW
COP $T_j = TOL$	2.00	1.50
C _{dh}	0.90	0.90
WTOL	55 °C	55 °C
P _{off}	6 W	6 W
P _{TO}	30 W	16 W
P _{SB}	9 W	9 W
P _{CK}	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: P _{SUP}	0.90 kW	1.20 kW
Annual energy consumption Q _{he}	3375 kWh	3836 kWh

Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Declared load profile	L
Efficiency η_{DHW}	120 %
COP	3.00
Heating up time	01:45 h:min
Mixed water at 40°C	249 l
Standby power input	32.0 W
Reference hot water temperature	54.0 °C

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EN 14511-2

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EN 14511-4

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PSB	9 W	9 W
PCK	0 W	0 W
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