

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

Summary of	THERMASTAGE Compact 11	Reg. No.	012-SC0374-19
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	Cetiat		
Subtype title	THERMASTAGE Compact 11		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1.8 kg		
Certification Date	30.09.2019		

## Model: THERMASTAGE Compact Combi 11

### General Data

Power supply	1x230V 50Hz
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### Heating

#### EN 14511-2

	Low temperature	Medium temperature
Heat output	6.66 kW	6.52 kW
El input	1.31 kW	2.39 kW
COP	5.09	2.72
Indoor water flow rate	1.17 m <sup>3</sup> /h	0.72 m <sup>3</sup> /h

#### EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

### Average Climate

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### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	68 dB(A)	68 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	176 %	131 %
Prated	9.00 kW	9.00 kW
SCOP	4.47	3.36
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.05 kW	7.65 kW
COP Tj = -7°C	2.54	1.89
Cdh	0.90	0.90
Pdh Tj = +2°C	4.90 kW	4.66 kW
COP Tj = +2°C	4.46	3.29
Cdh	0.90	0.90
Pdh Tj = +7°C	3.15 kW	3.42 kW
COP Tj = +7°C	6.20	4.84
Cdh	0.90	0.90

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Pdh Tj = 12°C	4.20 kW	4.10 kW
COP Tj = 12°C	9.02	6.82
Cdh	0.90	0.90
Pdh Tj = Tbiv	8.05 kW	7.65 kW
COP Tj = Tbiv	2.54	1.89
Pdh Tj = TOL	7.51 kW	6.74 kW
COP Tj = TOL	2.37	1.71
WTOL	55 °C	55 °C
Poff	7 W	7 W
PTO	52 W	52 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.60 kW	1.90 kW
Annual energy consumption Qhe	4206 kWh	5320 kWh

# Model: THERMASTAGE Compact Duo 11

## General Data

Power supply	1x230V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	6.66 kW	6.52 kW
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COP	5.09	2.72
Indoor water flow rate	1.17 m <sup>3</sup> /h	0.72 m <sup>3</sup> /h

### EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

## Average Climate

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COP Tj = +2°C	4.46	3.29
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COP Tj = TOL	2.37	1.71
WTOL	55 °C	55 °C
Poff	7 W	7 W
PTO	52 W	52 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.60 kW	1.90 kW
Annual energy consumption Qhe	4206 kWh	5320 kWh

## Domestic Hot Water (DHW)

### Average Climate

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<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	130 %
COP	3.26
Heating up time	1:36 h:min
Reference hot water temperature	52.5 °C
Mixed water at 40°C	243 l
Standby power input	31.0 W