

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

Summary of	THERMASTAGE Compact 05	Reg. No.	012-SC0371-19
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	RISE		
Subtype title	THERMASTAGE Compact 05		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1.1 kg		
Certification Date	30.09.2019		

## Model: THERMASTAGE Compact Duo 05

### General Data

Power supply	1x230V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	2.58 kW	3.82 kW
El input	0.48 kW	1.41 kW
COP	5.19	2.64
Indoor water flow rate	0.45 m <sup>3</sup> /h	0.42 m <sup>3</sup> /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	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	181 %	127 %
Prated	4.00 kW	4.00 kW
SCOP	4.60	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.70 kW	3.80 kW
COP Tj = -7°C	3.00	2.00
Pdh Tj = +2°C	2.40 kW	2.50 kW
COP Tj = +2°C	4.50	3.20
Pdh Tj = +7°C	2.00 kW	1.40 kW
COP Tj = +7°C	6.40	4.40
Pdh Tj = 12°C	2.30 kW	2.10 kW
COP Tj = 12°C	8.70	6.50
Pdh Tj = Tbiv	3.70 kW	3.80 kW

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COP $T_j = T_{biv}$	3.00	2.00
P <sub>dh</sub> $T_j = TOL$	3.40 kW	3.20 kW
COP $T_j = TOL$	2.60	1.60
C <sub>dh</sub>	0.90	0.90
WTOL	55 °C	55 °C
P <sub>off</sub>	9 W	9 W
P <sub>TO</sub>	14 W	14 W
P <sub>SB</sub>	9 W	9 W
P <sub>CK</sub>	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: P <sub>SUP</sub>	0.80 kW	1.10 kW
Annual energy consumption Q <sub>he</sub>	1884 kWh	2708 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
Standby power input	31.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	243 l

# Model: THERMASTAGE Compact Combi 05

## General Data

Power supply	1x230V 50Hz
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## Heating

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COP	5.19	2.64
Indoor water flow rate	0.45 m <sup>3</sup> /h	0.42 m <sup>3</sup> /h

### EN 14511-4

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Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
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Defrost test	passed

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