

This information was generated by the HP KEYMARK database on 23 Jun 2022

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Summary of	Thermastage Compact Combi 11	Reg. No.	012-C700129
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	Thermastage Compact Combi 11		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.63 kg		
Certification Date	09.09.2021		
Testing basis	EN 14511:2018, EN 14825:2018, EN 12102:2017, EN 16147:2017		

Model: Thermastage Compact Combi 11

Configure model	
Model name	Thermastage Compact Combi 11
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

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.80 kW	9.50 kW
El input	2.16 kW	3.33 kW
COP	4.53	2.85

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	40 dB(A)	40 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186 %	139 %
Prated	8.70 kW	8.60 kW
SCOP	4.73	3.54
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.70 kW	7.60 kW
COP Tj = -7°C	3.08	2.14
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.70 kW	4.60 kW
COP Tj = +2°C	4.63	3.46
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	3.80 kW	3.60 kW
COP Tj = +7°C	6.41	4.74
Cdh Tj = +7 °C	0.970	0.970

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Pdh Tj = 12°C	4.30 kW	4.20 kW
COP Tj = 12°C	7.11	6.40
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	7.70 kW	7.60 kW
COP Tj = Tbiv	3.08	2.14
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.30 kW	7.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	20 W	21 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	0.90 kW
Annual energy consumption Qhe	3796 kWh	5014 kWh

Model: Thermastage Compact Duo 11

Configure model

Model name	Thermastage Compact Duo 11
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
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	9.80 kW	9.50 kW
El input	2.16 kW	3.33 kW
COP	4.53	2.85

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

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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	20 W	21 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	0.90 kW
Annual energy consumption Qhe	3796 kWh	5014 kWh

Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Declared load profile	L
Efficiency η_{DHW}	132 %
COP	3.30
Heating up time	1:15 h:min
Standby power input	35.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	245 l