

Subtype Thermastage Compact Duo XL 11

Certificate Holder	Groupe Atlantic
Address	44 boulevard des Etats-Unis
ZIP	85000
City	La Roche Sur Yon
Country	FR
Certification Body	RISE CERT
Subtype title	Thermastage Compact Duo XL 11
Registration number	012-C700153
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.63 kg
Certification Date	04.11.2022
Testing basis	EN 14511:2018, EN 14825:2018, EN 12102:2017, EN 16147:2017.

Model Thermostage Compact Duo XL 11

Model name	Thermostage Compact Duo XL 11
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	140 %
COP	3.50
Heating up time	1:25 h:min
Standby power input	35.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	315 l

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	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 12102-1 | Average Climate

	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 | Average Climate

	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
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