Subtype ETERA L	
Certificate Holder	KRONOTERM d.o.o.
Address	Trnava 5e
ZIP	3303
City	Gomilsko
Country	SI
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	ETERA L
Registration number	011-1W0887
Heat Pump Type	Brine/Water and Water/Water
Refrigerant	R452B
Mass of Refrigerant	1.7 kg
Certification Date	26.09.2024
Testing basis	HP KEYMARK certification scheme rules V14

Model ETERA L-1 HT / HK 3F E	
Model name	ETERA L-1 HT / HK 3F E
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	Yes

Brine/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	9.11 kW	11.94 kW
El input	1.79 kW	3.85 kW
COP	5.08	3.10

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	37 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	230 %	166 %
Prated	18.20 kW	18.10 kW
SCOP	5.95	4.35
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	16.19 kW	16.07 kW
COP Tj = -7°C	5.04	3.37
Cdh Tj = -7 °C	0.997	0.998
Pdh Tj = +2°C	10.20 kW	9.99 kW
COP Tj = +2°C	5.86	4.26
Cdh Tj = +2 °C	0.994	0.996
Pdh Tj = +7°C	6.62 kW	6.46 kW
COP Tj = +7°C	6.57	4.96

Cdh Tj = +7 °C	0.991	0.992
Pdh Tj = 12°C	6.06 kW	6.15 kW
COP Tj = 12°C	6.83	5.64
Cdh Tj = +12 °C	0.989	0.991
Pdh Tj = Tbiv	18.17 kW	18.07 kW
COP Tj = Tbiv	4.72	3.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.17 kW	18.07 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.72	3.16
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	67 °C	67 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	kW	kW
Annual energy consumption Qhe	6320 kWh	8602 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	37 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	241 %	172 %
Prated	18.20 kW	18.10 kW
SCOP	6.22	4.49
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	11.39 kW	11.34 kW
COP Tj = -7°C	5.91	4.07
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	7.09 kW	6.90 kW
COP Tj = +2°C	6.58	4.82
Cdh Tj = +2 °C	0.991	0.993
Pdh Tj = +7°C	6.06 kW	6.10 kW
COP Tj = +7°C	6.83	5.46
Cdh Tj = +7 °C	0.989	0.991
Pdh Tj = 12°C	6.06 kW	6.11 kW
COP Tj = 12°C	6.76	5.85
Cdh Tj = +12 °C	0.989	0.991
Pdh Tj = Tbiv	18.17 kW	18.07 kW
COP Tj = Tbiv	4.72	3.16

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.17 kW	18.07 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.72	3.16
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	67 °C	67 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	kW	kW
Annual energy consumption Qhe	7218 kWh	9932 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	37 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	235 %	169 %
Prated	18.20 kW	18.10 kW
SCOP	6.07	4.42
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	18.17 kW	18.07 kW
COP Tj = +2°C	4.72	3.16
Cdh Tj = +2 °C	0.997	0.998
Pdh Tj = +7°C	11.93 kW	11.95 kW
COP Tj = +7°C	5.69	3.88
Cdh Tj = +7 °C	0.995	0.997
Pdh Tj = 12°C	6.06 kW	6.06 kW
COP Tj = 12°C	6.69	5.22
Cdh Tj = +12 °C	0.990	0.992
Pdh Tj = Tbiv	18.17 kW	18.07 kW
COP Tj = Tbiv	4.72	3.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.17 kW	18.07 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.72	3.16
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	67 °C	67 °C
Poff	10 W	10 W
PTO	10 W	10 W

PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	kW	kW
Annual energy consumption Qhe	4008 kWh	5475 kWh

Water/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	9.09 kW	12.10 kW
El input	1.36 kW	3.09 kW
COP	6.67	3.91

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	319 %	217 %
Prated	18.10 kW	18.10 kW
SCOP	8.17	5.64
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	16.19 kW	16.22 kW
COP Tj = -7°C	6.91	4.31
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = +2°C	9.95 kW	10.07 kW
COP Tj = +2°C	8.08	5.53
Cdh Tj = +2 °C	0.992	0.995
Pdh Tj = +7°C	6.54 kW	6.56 kW
COP Tj = +7°C	9.01	6.45
Cdh Tj = +7 °C	0.988	0.991
Pdh Tj = 12°C	6.46 kW	6.59 kW
COP Tj = 12°C	9.28	7.48
Cdh Tj = +12 °C	0.987	0.989
Pdh Tj = Tbiv	18.12 kW	18.15 kW
COP Tj = Tbiv	6.50	3.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.12 kW	18.15 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	6.50	3.96

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	67 °C	67 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	kW	kW
Annual energy consumption Qhe	4578 kWh	6635 kWh

EN 14825 | Colder Climate		
	Low temperature	Medium temperature
ηs	331 %	225 %
Prated	18.10 kW	18.10 kW
SCOP	8.48	5.83
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	11.47 kW	11.21 kW
COP Tj = -7°C	7.99	5.27
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	6.99 kW	6.80 kW
COP Tj = +2°C	9.07	6.27
Cdh Tj = +2 °C	0.988	0.991
Pdh Tj = +7°C	6.50 kW	6.60 kW
COP Tj = +7°C	9.26	7.17
Cdh Tj = +7 °C	0.987	0.990
Pdh Tj = 12°C	6.54 kW	6.59 kW
COP Tj = 12°C	9.19	7.88
Cdh Tj = +12 °C	0.987	0.989
Pdh Tj = Tbiv	18.12 kW	18.15 kW
COP Tj = Tbiv	6.50	3.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.12 kW	18.15 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	6.50	3.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	67 °C	67 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	kW	kW

Annual energy consumption Qhe	5261 kWh	7656 kWh

EN 14825 | Warmer Climate		
	Low temperature	Medium temperature
ηs	320 %	219 %
Prated	18.10 kW	18.20 kW
SCOP	8.20	5.71
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	18.12 kW	18.18 kW
COP Tj = +2°C	6.50	3.96
Cdh Tj = +2 °C	0.997	0.998
Pdh Tj = +7°C	11.94 kW	11.78 kW
COP Tj = +7°C	7.64	3.96
Cdh Tj = +7 °C	0.994	0.996
Pdh Tj = 12°C	6.52 kW	6.57 kW
COP Tj = 12°C	9.11	6.75
Cdh Tj = +12 °C	0.987	0.990
Pdh Tj = Tbiv	18.12 kW	18.15 kW
COP Tj = Tbiv	6.50	3.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.12 kW	18.15 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	6.50	3.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	67 °C	67 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	kW	kW
Annual energy consumption Qhe	2948 kWh	4276 kWh

Model ETERA-C L-1 HT / HK 3F	
Model name	ETERA-C L-1 HT / HK 3F
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	Yes

Brine/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	9.11 kW	11.94 kW
El input	1.79 kW	3.85 kW
COP	5.08	3.10

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	37 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	230 %	166 %
Prated	18.20 kW	18.10 kW
SCOP	5.95	4.35
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	16.19 kW	16.07 kW
COP Tj = -7°C	5.04	3.37
Cdh Tj = -7 °C	0.997	0.998
Pdh Tj = +2°C	10.20 kW	9.99 kW
COP Tj = +2°C	5.86	4.26
Cdh Tj = +2 °C	0.994	0.996
Pdh Tj = +7°C	6.62 kW	6.46 kW
COP Tj = +7°C	6.57	4.96

Cdh Tj = +7 °C	0.991	0.992
Pdh Tj = 12°C	6.06 kW	6.15 kW
COP Tj = 12°C	6.83	5.64
Cdh Tj = +12 °C	0.989	0.991
Pdh Tj = Tbiv	18.17 kW	18.07 kW
COP Tj = Tbiv	4.72	3.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.17 kW	18.07 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.72	3.16
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	67 °C	67 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	kW	kW
Annual energy consumption Qhe	6320 kWh	8602 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	37 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	241 %	172 %
Prated	18.20 kW	18.10 kW
SCOP	6.22	4.49
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	11.39 kW	11.34 kW
COP Tj = -7°C	5.91	4.07
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	7.09 kW	6.90 kW
COP Tj = +2°C	6.58	4.82
Cdh Tj = +2 °C	0.991	0.993
Pdh Tj = +7°C	6.06 kW	6.10 kW
COP Tj = +7°C	6.83	5.46
Cdh Tj = +7 °C	0.989	0.991
Pdh Tj = 12°C	6.06 kW	6.11 kW
COP Tj = 12°C	6.76	5.85
Cdh Tj = +12 °C	0.989	0.991
Pdh Tj = Tbiv	18.17 kW	18.07 kW
COP Tj = Tbiv	4.72	3.16

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.17 kW	18.07 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.72	3.16
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	67 °C	67 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	kW	kW
Annual energy consumption Qhe	7218 kWh	9932 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	37 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	235 %	169 %
Prated	18.20 kW	18.10 kW
SCOP	6.07	4.42
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	18.17 kW	18.07 kW
COP Tj = +2°C	4.72	3.16
Cdh Tj = +2 °C	0.997	0.998
Pdh Tj = +7°C	11.93 kW	11.95 kW
COP Tj = +7°C	5.69	3.88
Cdh Tj = +7 °C	0.995	0.997
Pdh Tj = 12°C	6.06 kW	6.06 kW
COP Tj = 12°C	6.69	5.22
Cdh Tj = +12 °C	0.990	0.992
Pdh Tj = Tbiv	18.17 kW	18.07 kW
COP Tj = Tbiv	4.72	3.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.17 kW	18.07 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.72	3.16
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	67 °C	67 °C
Poff	10 W	10 W
PTO	10 W	10 W

PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	kW	kW
Annual energy consumption Qhe	4008 kWh	5475 kWh

Water/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	9.09 kW	12.10 kW
El input	1.36 kW	3.09 kW
COP	6.67	3.91

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	319 %	217 %
Prated	18.10 kW	18.10 kW
SCOP	8.17	5.64
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	16.19 kW	16.22 kW
COP Tj = -7°C	6.91	4.31
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = +2°C	9.95 kW	10.07 kW
COP Tj = +2°C	8.08	5.53
Cdh Tj = +2 °C	0.992	0.995
Pdh Tj = +7°C	6.54 kW	6.56 kW
COP Tj = +7°C	9.01	6.45
Cdh Tj = +7 °C	0.988	0.991
Pdh Tj = 12°C	6.46 kW	6.59 kW
COP Tj = 12°C	9.28	7.48
Cdh Tj = +12 °C	0.987	0.989
Pdh Tj = Tbiv	18.12 kW	18.15 kW
COP Tj = Tbiv	6.50	3.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.12 kW	18.15 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	6.50	3.96

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	67 °C	67 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	kW	kW
Annual energy consumption Qhe	4578 kWh	6635 kWh

EN 14825 | Colder Climate		
	Low temperature	Medium temperature
ηs	331 %	225 %
Prated	18.10 kW	18.10 kW
SCOP	8.48	5.83
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	11.47 kW	11.21 kW
COP Tj = -7°C	7.99	5.27
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	6.99 kW	6.80 kW
COP Tj = +2°C	9.07	6.27
Cdh Tj = +2 °C	0.988	0.991
Pdh Tj = +7°C	6.50 kW	6.60 kW
COP Tj = +7°C	9.26	7.17
Cdh Tj = +7 °C	0.987	0.990
Pdh Tj = 12°C	6.54 kW	6.59 kW
COP Tj = 12°C	9.19	7.88
Cdh Tj = +12 °C	0.987	0.989
Pdh Tj = Tbiv	18.12 kW	18.15 kW
COP Tj = Tbiv	6.50	3.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.12 kW	18.15 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	6.50	3.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	67 °C	67 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	kW	kW

Annual energy consumption Qhe	5261 kWh	7656 kWh

EN 14825 | Warmer Climate		
	Low temperature	Medium temperature
ηs	320 %	219 %
Prated	18.10 kW	18.20 kW
SCOP	8.20	5.71
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	18.12 kW	18.18 kW
COP Tj = +2°C	6.50	3.96
Cdh Tj = +2 °C	0.997	0.998
Pdh Tj = +7°C	11.94 kW	11.78 kW
COP Tj = +7°C	7.64	3.96
Cdh Tj = +7 °C	0.994	0.996
Pdh Tj = 12°C	6.52 kW	6.57 kW
COP Tj = 12°C	9.11	6.75
Cdh Tj = +12 °C	0.987	0.990
Pdh Tj = Tbiv	18.12 kW	18.15 kW
COP Tj = Tbiv	6.50	3.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.12 kW	18.15 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	6.50	3.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	67 °C	67 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	kW	kW
Annual energy consumption Qhe	2948 kWh	4276 kWh