Subtype VERSI 0209

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	VERSI 0209
Registration number	011-1W0519
Heat Pump Type	Outdoor Air/Water
Refrigerant	R452B
Mass of Refrigerant	1.5 kg
Certification Date	18.01.2022
Testing basis	HP KEYMARK certification scheme rules rev. 9

Model VERSI-I 0209-K1 HT / HK UF E	
Model name	VERSI-I 0209-K1 HT / HK UF E
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer
Reversibility	Yes
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 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	6.13 kW	6.09 kW
El input	1.28 kW	1.95 kW
COP	4.80	3.13

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	42 dB(A)
Sound power level outdoor	45 dB(A)	45 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	186 %	141 %
Prated	6.50 kW	6.10 kW
SCOP	4.84	3.66
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.76 kW	5.46 kW
COP Tj = -7°C	3.05	2.32
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.57 kW	3.30 kW
COP Tj = +2°C	5.01	3.71
Cdh Tj = +2 °C	0.990	0.990

Pdh Tj = +7°C	2.45 kW	2.20 kW
COP Tj = +7°C	5.79	4.30
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	2.72 kW	2.53 kW
COP Tj = 12°C	6.62	5.82
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	6.20 kW	6.07 kW
COP Tj = Tbiv	2.78	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.20 kW	6.07 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.78	2.16
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	67 °C	67 °C
Poff	8 W	8 W
PTO	8 W	8 W
PSB	8 W	8 W
PCK	8 W	8 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.30 kW	0.03 kW
Annual energy consumption Qhe	2773 kWh	3441 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	42 dB(A)
Sound power level outdoor	45 dB(A)	45 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	169 %	119 %
Prated	7.00 kW	6.40 kW
SCOP	4.31	3.17
Tbiv	-17 °C	-17 °C
TOL	-22 °C	-17 °C
Pdh Tj = -7°C	4.38 kW	3.98 kW
COP Tj = -7°C	3.66	2.82
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	2.67 kW	2.35 kW
COP Tj = +2°C	5.22	3.63
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	2.48 kW	2.30 kW
COP Tj = +7°C	6.38	4.92
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	2.72 kW	2.70 kW
COP Tj = 12°C	6.62	6.80

Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	6.15 kW	5.59 kW
COP Tj = Tbiv	2.47	1.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	5.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.20	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	67 °C	67 °C
Poff	8 W	8 W
PTO	8 W	8 W
PSB	8 W	8 W
PCK	8 W	8 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.49 kW	6.40 kW
Annual energy consumption Qhe	4003 kWh	4984 kWh
Pdh Tj = -15°C (if TOL	5.55	5.22
COP Tj = -15°C (if TOL	2.48	1.90
Cdh Tj = -15 °C	1.000	1.000

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	42 dB(A)
Sound power level outdoor	45 dB(A)	45 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	239 %	179 %
Prated	6.00 kW	5.90 kW
SCOP	6.10	4.57
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.68 kW	5.58 kW
COP Tj = +2°C	3.52	2.57
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.19 kW	3.93 kW
COP Tj = +7°C	5.85	4.03
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	2.69 kW	2.59 kW
COP Tj = 12°C	6.91	5.61
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	5.68 kW	5.58 kW
COP Tj = Tbiv	3.52	2.57
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.68 kW	5.58 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.57
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	67 °C	67 °C
Poff	8 W	8 W
PTO	8 W	8 W
PSB	8 W	8 W
PCK	8 W	8 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.32 kW	0.32 kW
Annual energy consumption Qhe	1326 kWh	1737 kWh

Model VERSI-X 0209-K1 HT / HK 1F	
Model name	VERSI-X 0209-K1 HT / HK 1F
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer
Reversibility	Yes
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 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	6.13 kW	6.09 kW
El input	1.28 kW	1.95 kW
COP	4.80	3.13

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	42 dB(A)
Sound power level outdoor	45 dB(A)	45 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	186 %	141 %
Prated	6.50 kW	6.10 kW
SCOP	4.84	3.66
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.76 kW	5.46 kW
COP Tj = -7°C	3.05	2.32
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.57 kW	3.30 kW
COP Tj = +2°C	5.01	3.71
Cdh Tj = +2 °C	0.990	0.990

Pdh Tj = +7°C	2.45 kW	2.20 kW
COP Tj = +7°C	5.79	4.30
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	2.72 kW	2.53 kW
COP Tj = 12°C	6.62	5.82
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	6.20 kW	6.07 kW
COP Tj = Tbiv	2.78	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.20 kW	6.07 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.78	2.16
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	67 °C	67 °C
Poff	8 W	8 W
PTO	8 W	8 W
PSB	8 W	8 W
PCK	8 W	8 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.30 kW	0.03 kW
Annual energy consumption Qhe	2773 kWh	3441 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	42 dB(A)
Sound power level outdoor	45 dB(A)	45 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	169 %	119 %
Prated	7.00 kW	6.40 kW
SCOP	4.31	3.17
Tbiv	-17 °C	-17 °C
TOL	-22 °C	-17 °C
Pdh Tj = -7°C	4.38 kW	3.98 kW
COP Tj = -7°C	3.66	2.82
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	2.67 kW	2.35 kW
COP Tj = +2°C	5.22	3.63
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	2.48 kW	2.30 kW
COP Tj = +7°C	6.38	4.92
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	2.72 kW	2.70 kW
COP Tj = 12°C	6.62	6.80

Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	6.15 kW	5.59 kW
COP Tj = Tbiv	2.47	1.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	5.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.20	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	67 °C	67 °C
Poff	8 W	8 W
PTO	8 W	8 W
PSB	8 W	8 W
PCK	8 W	8 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.49 kW	6.40 kW
Annual energy consumption Qhe	4003 kWh	4984 kWh
Pdh Tj = -15°C (if TOL	5.55	5.22
COP Tj = -15°C (if TOL	2.48	1.90
Cdh Tj = -15 °C	1.000	1.000

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	42 dB(A)
Sound power level outdoor	45 dB(A)	45 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	239 %	179 %
Prated	6.00 kW	5.90 kW
SCOP	6.10	4.57
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.68 kW	5.58 kW
COP Tj = +2°C	3.52	2.57
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.19 kW	3.93 kW
COP Tj = +7°C	5.85	4.03
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	2.69 kW	2.59 kW
COP Tj = 12°C	6.91	5.61
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	5.68 kW	5.58 kW
COP Tj = Tbiv	3.52	2.57
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.68 kW	5.58 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.57
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	67 °C	67 °C
Poff	8 W	8 W
PTO	8 W	8 W
PSB	8 W	8 W
PCK	8 W	8 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.32 kW	0.32 kW
Annual energy consumption Qhe	1326 kWh	1737 kWh

Model VERSI-O 0209-K1 HT / HK 1F	
Model name	VERSI-O 0209-K1 HT / HK 1F
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder, Warmer
Reversibility	Yes
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 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	6.20 kW	6.04 kW
El input	1.24 kW	1.93 kW
COP	5.01	3.12

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	43 dB(A)	44 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	191 %	138 %
Prated	6.40 kW	6.00 kW
SCOP	4.97	3.60
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.71 kW	5.38 kW
COP Tj = -7°C	3.26	2.21
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.74 kW	3.51 kW
COP Tj = +2°C	5.25	3.56
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	2.27 kW	2.20 kW

COP Tj = +7°C	5.55	4.54
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	2.36 kW	2.40 kW
COP Tj = 12°C	6.65	5.85
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	6.11 kW	5.88 kW
COP Tj = Tbiv	2.76	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.11 kW	5.88 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	67 °C	67 °C
Poff	8 W	8 W
PTO	8 W	8 W
PSB	8 W	8 W
PCK	8 W	8 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.29 kW	0.12 kW
Annual energy consumption Qhe	2659 kWh	3446 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	43 dB(A)	44 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	166 %	117 %
Prated	7.00 kW	5.80 kW
SCOP	4.22	3.01
Tbiv	-17 °C	-17 °C
TOL	-22 °C	-17 °C
Pdh Tj = -7°C	4.41 kW	3.58 kW
COP Tj = -7°C	3.53	2.68
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.72 kW	2.08 kW
COP Tj = +2°C	5.09	3.34
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	2.12 kW	2.02 kW
COP Tj = +7°C	5.98	4.88
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	2.38 kW	2.49 kW
COP Tj = 12°C	7.18	6.76
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	6.16 kW	4.99 kW

COP Tj = Tbiv	2.52	1.93
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.06 kW	4.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.20	1.93
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	67 °C	67 °C
Poff	8 W	8 W
PTO	8 W	8 W
PSB	8 W	8 W
PCK	8 W	8 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.94 kW	5.80 kW
Annual energy consumption Qhe	4090 kWh	4759 kWh
Pdh Tj = -15°C (if TOL	5.92	4.96
COP Tj = -15°C (if TOL	2.56	2.14
Cdh Tj = -15 °C	1.000	1.000

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	43 dB(A)	44 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	238 %	163 %
Prated	6.00 kW	6.00 kW
SCOP	6.08	4.17
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.54 kW	5.57 kW
COP Tj = +2°C	3.72	2.54
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.95 kW	3.95 kW
COP Tj = +7°C	6.27	4.08
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	2.27 kW	2.31 kW
COP Tj = 12°C	6.40	4.59
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	5.54 kW	5.57 kW
COP Tj = Tbiv	3.72	2.54
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.54 kW	5.57 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.54

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	67 °C	67 °C
Poff	8 W	8 W
PTO	8 W	8 W
PSB	8 W	8 W
PCK	8 W	8 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.46 kW	0.43 kW
Annual energy consumption Qhe	1330 kWh	1934 kWh

Model VERSI-O 0209-K1 HT / HK 1F + HYDRO C2		
Model name	VERSI-O 0209-K1 HT / HK 1F + HYDRO C2	
Application	Heating + DHW	
Units	Indoor, Outdoor	
Climate zone (for heating)	Colder, Warmer	
Reversibility	Yes	
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	L	
Efficiency ηDHW	97 %	
COP	2.30	
Heating up time	2:35 h:min	
Standby power input	47.4 W	
Reference hot water temperature	54.5 °C	
Mixed water at 40°C	264 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	6.04 kW	
El input	1.93 kW	
COP	3.12	
EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	0 dB(A)	
Sound power level outdoor	44 dB(A)	
EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	138 %	

Prated	6.00 kW
SCOP	3.60
Tbiv	-10 °C
TOL	-10 °C
Pdh Tj = -7°C	5.38 kW
COP Tj = -7°C	2.21
Cdh Tj = -7 °C	1.000
Pdh Tj = +2°C	3.51 kW
COP Tj = +2°C	3.56
Cdh Tj = +2 °C	0.990
Pdh Tj = +7°C	2.20 kW
COP Tj = +7°C	4.54
Cdh Tj = +7 °C	0.980
Pdh Tj = 12°C	2.40 kW
COP Tj = 12°C	5.85
Cdh Tj = +12 °C	0.980
Pdh Tj = Tbiv	5.88 kW
COP Tj = Tbiv	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.88 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000
WTOL	67 °C
Poff	8 W
PTO	8 W
PSB	8 W
PCK	8 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.12 kW
Annual energy consumption Qhe	3446 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	0 dB(A)	
Sound power level outdoor	44 dB(A)	

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	117 %	
Prated	5.80 kW	
SCOP	3.01	
Tbiv	-17 °C	
TOL	-17 °C	
Pdh Tj = -7°C	3.58 kW	

COP Tj = -7°C	2.68
Cdh Tj = -7 °C	0.990
Pdh Tj = +2°C	2.08 kW
COP Tj = +2°C	3.34
Cdh Tj = +2 °C	0.990
Pdh Tj = +7°C	2.02 kW
COP Tj = +7°C	4.88
Cdh Tj = +7 °C	0.980
Pdh Tj = 12°C	2.49 kW
COP Tj = 12°C	6.76
Cdh Tj = +12 °C	0.980
Pdh Tj = Tbiv	4.99 kW
COP Tj = Tbiv	1.93
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.93
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000
WTOL	67 °C
Poff	8 W
PTO	8 W
PSB	8 W
PCK	8 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	5.80 kW
Annual energy consumption Qhe	4759 kWh
Pdh Tj = -15°C (if TOL	4.96
COP Tj = -15°C (if TOL	2.14
Cdh Tj = -15 °C	1.000

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	0 dB(A)	
Sound power level outdoor	44 dB(A)	

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	163 %	
Prated	6.00 kW	
SCOP	4.17	
Tbiv	2 °C	
TOL	2 °C	
Pdh Tj = +2°C	5.57 kW	
COP Tj = +2°C	2.54	
Cdh Tj = +2 °C	1.000	

Pdh Tj = +7°C	3.95 kW
COP Tj = +7°C	4.08
Cdh Tj = +7 °C	0.990
Pdh Tj = 12°C	2.31 kW
COP Tj = 12°C	4.59
Cdh Tj = +12 °C	0.980
Pdh Tj = Tbiv	5.57 kW
COP Tj = Tbiv	2.54
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.57 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000
WTOL	67 °C
Poff	8 W
PTO	8 W
PSB	8 W
PCK	8 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.43 kW
Annual energy consumption Qhe	1934 kWh

Model VERSI-X 0209-K1 HT / HK 1F + HYDRO C2	
Model name	VERSI-X 0209-K1 HT / HK 1F + HYDRO C2
Application	Heating + DHW
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer
Reversibility	Yes
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	L
Efficiency ηDHW	96 %
COP	2.30
Heating up time	2:18 h:min
Standby power input	41.0 W
Reference hot water temperature	54.4 °C
Mixed water at 40°C	255 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	6.09 kW	
El input	1.95 kW	
COP	3.13	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	
Sound power level outdoor	45 dB(A)	

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	141 %	

Prated	6.10 kW
SCOP	3.66
Tbiv	-10 °C
TOL	-10 °C
Pdh Tj = -7°C	5.46 kW
COP Tj = -7°C	2.32
Cdh Tj = -7 °C	1.000
Pdh Tj = +2°C	3.30 kW
COP Tj = +2°C	3.71
Cdh Tj = +2 °C	0.990
Pdh Tj = +7°C	2.20 kW
COP Tj = +7°C	4.30
Cdh Tj = +7 °C	0.980
Pdh Tj = 12°C	2.53 kW
COP Tj = 12°C	5.82
Cdh Tj = +12 °C	0.980
Pdh Tj = Tbiv	6.07 kW
COP Tj = Tbiv	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.07 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000
WTOL	67 °C
Poff	8 W
PTO	8 W
PSB	8 W
PCK	8 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.03 kW
Annual energy consumption Qhe	3441 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	
Sound power level outdoor	45 dB(A)	

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	119 %	
Prated	6.40 kW	
SCOP	3.17	
Tbiv	-17 °C	
TOL	-17 °C	
Pdh Tj = -7°C	3.98 kW	

COP Tj = -7°C	2.82
Cdh Tj = -7 °C	1.000
Pdh Tj = +2°C	2.35 kW
COP Tj = +2°C	3.63
Cdh Tj = +2 °C	0.990
Pdh Tj = +7°C	2.30 kW
COP Tj = +7°C	4.92
Cdh Tj = +7 °C	0.980
Pdh Tj = 12°C	2.70 kW
COP Tj = 12°C	6.80
Cdh Tj = +12 °C	0.980
Pdh Tj = Tbiv	5.59 kW
COP Tj = Tbiv	1.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000
WTOL	67 °C
Poff	8 W
PTO	8 W
PSB	8 W
PCK	8 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	6.40 kW
Annual energy consumption Qhe	4984 kWh
Pdh Tj = -15°C (if TOL	5.22
COP Tj = -15°C (if TOL	1.90
Cdh Tj = -15 °C	1.000

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	
Sound power level outdoor	45 dB(A)	

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	179 %	
Prated	5.90 kW	
SCOP	4.57	
Tbiv	2 °C	
TOL	2 °C	
Pdh Tj = +2°C	5.58 kW	
COP Tj = +2°C	2.57	
Cdh Tj = +2 °C	1.000	

Pdh Tj = +7°C	3.93 kW
COP Tj = +7°C	4.03
Cdh Tj = +7 °C	0.990
Pdh Tj = 12°C	2.59 kW
COP Tj = 12°C	5.61
Cdh Tj = +12 °C	0.980
Pdh Tj = Tbiv	5.58 kW
COP Tj = Tbiv	2.57
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.57
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000
WTOL	67 °C
Poff	8 W
PTO	8 W
PSB	8 W
PCK	8 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.32 kW
Annual energy consumption Qhe	1737 kWh

Model VERSI-I 0209-K1 HT / HK UF E + HR200	
Model name	VERSI-I 0209-K1 HT / HK UF E + HR200
Application	Heating + DHW
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer
Reversibility	Yes
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	L
Efficiency ηDHW	100 %
COP	2.38
Heating up time	2:27 h:min
Standby power input	44.9 W
Reference hot water temperature	54.9 °C
Mixed water at 40°C	282 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	6.09 kW	
El input	1.95 kW	
COP	3.13	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	
Sound power level outdoor	45 dB(A)	

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	141 %	

Prated	6.10 kW
SCOP	3.66
Tbiv	-10 °C
TOL	-10 °C
Pdh Tj = -7°C	5.46 kW
COP Tj = -7°C	2.32
Cdh Tj = -7 °C	1.000
Pdh Tj = +2°C	3.30 kW
COP Tj = +2°C	3.71
Cdh Tj = +2 °C	0.990
Pdh Tj = +7°C	2.20 kW
COP Tj = +7°C	4.30
Cdh Tj = +7 °C	0.980
Pdh Tj = 12°C	2.53 kW
COP Tj = 12°C	5.82
Cdh Tj = +12 °C	0.980
Pdh Tj = Tbiv	6.07 kW
COP Tj = Tbiv	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.07 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000
WTOL	67 °C
Poff	8 W
PTO	8 W
PSB	8 W
PCK	8 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.03 kW
Annual energy consumption Qhe	3441 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	
Sound power level outdoor	45 dB(A)	

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	119 %	
Prated	6.40 kW	
SCOP	3.17	
Tbiv	-17 °C	
TOL	-17 °C	
Pdh Tj = -7°C	3.98 kW	

COP Tj = -7°C	2.82
Cdh Tj = -7 °C	1.000
Pdh Tj = +2°C	2.35 kW
COP Tj = +2°C	3.63
Cdh Tj = +2 °C	0.990
Pdh Tj = +7°C	2.30 kW
COP Tj = +7°C	4.92
Cdh Tj = +7 °C	0.980
Pdh Tj = 12°C	2.70 kW
COP Tj = 12°C	6.80
Cdh Tj = +12 °C	0.980
Pdh Tj = Tbiv	5.59 kW
COP Tj = Tbiv	1.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000
WTOL	67 °C
Poff	8 W
PTO	8 W
PSB	8 W
PCK	8 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	6.40 kW
Annual energy consumption Qhe	4984 kWh
Pdh Tj = -15°C (if TOL	5.22
COP Tj = -15°C (if TOL	1.90
Cdh Tj = -15 °C	1.000

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	
Sound power level outdoor	45 dB(A)	

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	179 %	
Prated	5.90 kW	
SCOP	4.57	
Tbiv	2 °C	
TOL	2 °C	
Pdh Tj = +2°C	5.58 kW	
COP Tj = +2°C	2.57	
Cdh Tj = +2 °C	1.000	

Pdh Tj = +7°C	3.93 kW
COP Tj = +7°C	4.03
Cdh Tj = +7 °C	0.990
Pdh Tj = 12°C	2.59 kW
COP Tj = 12°C	5.61
Cdh Tj = +12 °C	0.980
Pdh Tj = Tbiv	5.58 kW
COP Tj = Tbiv	2.57
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.57
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000
WTOL	67 °C
Poff	8 W
PTO	8 W
PSB	8 W
PCK	8 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.32 kW
Annual energy consumption Qhe	1737 kWh