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Login

Summary of	VERSI 0209	Reg. No.	011-1W0519	
Certificate Holder	Certificate Holder			
Name	KRONOTERM d.o.o.	KRONOTERM d.o.o.		
Address	Trnava 5e	Zip	3303	
City	Gomilsko	Country	Slovenia	
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH			
Subtype title	VERSI 0209			
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R452B	R452B		
Mass of Refrigerant	1.5 kg			
Certification Date	18.01.2022	18.01.2022		
Testing basis	HP KEYMARK certification scheme rules rev. 9			

Model: VERSI-I 0209-K1 HT / HK UF E

Configure model		
Model name	VERSI-I 0209-K1 HT / HK UF E	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.13 kW	6.09 kW
El input	1.28 kW	1.95 kW
СОР	4.80	3.13

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



EN 12102-1		
	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		
	Low temperature	Medium temperature
η_{s}	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 = $+7^{\circ}$ C	2.45 kW	2.20 kW
COP Tj = +7°C	5.79	4.30
Cdh Tj = +7 °C	0.980	0.990





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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
РТО	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



Model: VERSI-X 0209-K1 HT / HK 1F

Configure model		
Model name	VERSI-X 0209-K1 HT / HK 1F	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure pass	
Defrost test par	
Starting and operating test passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.13 kW	6.09 kW
El input	1.28 kW	1.95 kW
СОР	4.80	3.13



EN 12102-1		
	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		
	Low temperature	Medium temperature
η_{s}	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
РТО	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

Model: VERSI-O 0209-K1 HT / HK 1F

Configure model	
Model name	VERSI-O 0209-K1 HT / HK 1F
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data		
Power supply 1x230V 50Hz		

Average Climate

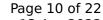
EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	43 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	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
$COPTj = -7^{\circ}C$	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 = $+7^{\circ}$ C	2.27 kW	2.20 kW
$COP Tj = +7^{\circ}C$	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
РТО	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

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.20 kW	6.04 kW
El input	1.24 kW	1.93 kW
СОР	5.01	3.12



Model: VERSI-O 0209-K1 HT / HK 1F + HYDRO C2

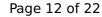
Configure model		
Model name VERSI-O 0209-K1 HT / HK 1F + HYDRO C2		
Application	Heating + DHW	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility Yes		
Cooling mode application (optional)	ication (optional) n/a	

General Data		
Power supply	1x230V 50Hz	

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	0 dB(A)
Sound power level outdoor	44 dB(A)

EN 14825		
Medium temperature		
138 %		
6.00 kW		
3.60		
-10 °C		
-10 °C		
5.38 kW		





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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
$COP Tj = +7^{\circ}C$	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
РТО	8 W
PSB	8 W
РСК	8 W



Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.12 kW
Annual energy consumption Qhe	3446 kWh

Heating

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

EN 14511-2	
	Medium temperature
Heat output	6.04 kW
El input	1.93 kW
СОР	3.12

Domestic Hot Water (DHW)



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EN 16147		
Declared load profile	L	
Efficiency ηDHW	97 %	
СОР	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	

Model: VERSI-X 0209-K1 HT / HK 1F + HYDRO C2

Configure model		
Model name	VERSI-X 0209-K1 HT / HK 1F + HYDRO C2	
Application	Heating + DHW	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

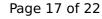
EN 14511-2	
	Medium temperature
Heat output	6.09 kW
El input	1.95 kW
СОР	3.13

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



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

EN 14825	
	Medium temperature
η_{s}	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
$COP Tj = +7^{\circ}C$	4.30
Cdh Tj = +7 °C	0.980





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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

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	L
Efficiency ηDHW	96 %
СОР	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 I

Model: VERSI-I 0209-K1 HT / HK UF E + HR200

Configure model		
Model name	VERSI-I 0209-K1 HT / HK UF E + HR200	
Application	Heating + DHW	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

EN 14511-2	
	Medium temperature
Heat output	6.09 kW
El input	1.95 kW
СОР	3.13



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

EN 14825	
	Medium temperature
η_s	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



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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
РТО	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

Domestic Hot Water (DHW)



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EN 16147	
Declared load profile	L
Efficiency ηDHW	100 %
СОР	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 I