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Login

Summary of	Sherpa S2 12/14/16	Reg. No.	ICIM-PDC-000128-00	
Certificate Holder				
Name	Olimpia Splendid S.p.A.			
Address	Via Industriale, 1/3	Zip	25060	
City	Cellatica (BS)	Country	Italy	
Certification Body	ICIM S.p.A.	·	·	
Subtype title	Sherpa S2 12/14/16			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	3.9 kg			
Certification Date	10.12.2021			
Testing basis	Heat Pump KEYMARK rev	9		



Model: Sherpa S2 12

Configure model		
Model name	Sherpa S2 12	
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

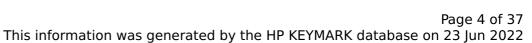
EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.10 kW	10.26 kW
El input	2.74 kW	3.75 kW
СОР	4.42	2.74

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	46 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	175 %	127 %
Prated	12.00 kW	12.28 kW
SCOP	4.46	3.24
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.97 kW	10.87 kW
COP Tj = -7°C	2.79	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.67 kW	6.99 kW
COP Tj = +2°C	4.20	3.05
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.17 kW	4.22 kW
COP Tj = +7°C	6.12	4.49
Cdh Tj = +7 °C	0.900	0.900





2.83 kW	2.50 kW
	-
7.87	5.97
0.900	0.900
12.00 kW	10.87 kW
2.60	2.02
12.00 kW	10.33 kW
2.60	1.73
0.900	0.900
60 °C	60 °C
19 W	19 W
78 W	78 W
19 W	19 W
0 W	0 W
Electricity	Electricity
0.00 kW	1.95 kW
5558 kWh	7833 kWh
	0.900 12.00 kW 2.60 12.00 kW 2.60 0.900 60 °C 19 W 78 W 19 W 0 W Electricity 0.00 kW



Model: Sherpa S2 14

Configure model		
Model name	Sherpa S2 14	
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

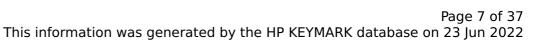
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	14.00 kW	12.80 kW	
El input	3.39 kW	4.55 kW	
СОР	4.13	2.81	

EN 14511-4	
Shutting off the heat transfer medium flow	naccod
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	46 dB(A)	46 dB(A)
Sound power level outdoor	71 dB(A)	71 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	168 %	128 %
Prated	13.88 kW	13.79 kW
SCOP	4.27	3.28
Tbiv	-6 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.27 kW	12.20 kW
COP Tj = -7°C	2.64	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = $+2^{\circ}$ C	7.64 kW	7.74 kW
COP Tj = +2°C	4.07	3.10
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.95 kW	5.04 kW
COP Tj = +7°C	6.05	4.55
Cdh Tj = +7 °C	0.900	0.900





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2.97 kW	2.70 kW			
7.71	6.24			
0.900	0.900			
11.74 kW	12.20 kW			
2.71	2.00			
11.22 kW	10.28 kW			
2.45	1.66			
0.900	0.900			
60 °C	60 °C			
19 W	19 W			
78 W	78 W			
19 W	19 W			
o w	o w			
Electricity	Electricity			
2.66 kW	3.51 kW			
6715 kWh	8688 kWh			
	2.97 kW 7.71 0.900 11.74 kW 2.71 11.22 kW 2.45 0.900 60 °C 19 W 78 W 19 W 0 W Electricity 2.66 kW			

Model: Sherpa S2 16

Configure model		
Model name	Sherpa S2 16	
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	15.50 kW	14.89 kW
El input	3.82 kW	5.44 kW
СОР	4.06	2.74

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	46 dB(A)	46 dB(A)
Sound power level outdoor	72 dB(A)	72 dB(A)

EN 14825		
Low temperature	Medium temperature	
158 %	128 %	
16.06 kW	14.99 kW	
4.01	3.26	
-5 °C	-5 °C	
-10 °C	-10 °C	
12.49 kW	11.67 kW	
2.67	1.99	
0.900	0.900	
8.44 kW	8.13 kW	
3.93	3.09	
0.900	0.900	
5.59 kW	5.39 kW	
5.87	4.73	
0.900	0.900	
	Low temperature 158 % 16.06 kW 4.01 -5 °C -10 °C 12.49 kW 2.67 0.900 8.44 kW 3.93 0.900 5.59 kW 5.87	



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Pdh Tj = 12°C	3.12 kW	2.81 kW
COP Tj = 12°C	7.38	6.59
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.97 kW	12.11 kW
COP Tj = Tbiv	2.86	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.66 kW	10.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.49	1.70
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	19 W	19 W
РТО	78 W	78 W
PSB	19 W	19 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.40 kW	4.81 kW
Annual energy consumption Qhe	8272 kWh	9491 kWh



Model: Sherpa Aquadue S2 12

Configure model		
Model name	Sherpa Aquadue S2 12	
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	12.10 kW	10.26 kW	
El input	2.74 kW	3.75 kW	
СОР	4.42	2.74	

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	46 dB(A)	46 dB(A)	
Sound power level outdoor	69 dB(A)	69 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	175 %	127 %
Prated	12.00 kW	12.28 kW
SCOP	4.46	3.24
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.97 kW	10.87 kW
COP Tj = -7 °C	2.79	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = $+2$ °C	6.67 kW	6.99 kW
COP Tj = +2°C	4.20	3.05
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.17 kW	4.22 kW
COP Tj = +7°C	6.12	4.49
Cdh Tj = +7 °C	0.900	0.900



Pdh Tj = 12°C	2.83 kW	2.50 kW
COP Tj = 12°C	7.87	5.97
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.00 kW	10.87 kW
COP Tj = Tbiv	2.60	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	10.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.73
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	19 W	19 W
РТО	78 W	78 W
PSB	19 W	19 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	1.95 kW
Annual energy consumption Qhe	5558 kWh	7833 kWh



Model: Sherpa Aquadue S2 14

Configure model		
Model name	Sherpa Aquadue S2 14	
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	14.00 kW	12.80 kW	
El input	3.39 kW	4.55 kW	
СОР	4.13	2.81	

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	46 dB(A)	46 dB(A)	
Sound power level outdoor	71 dB(A)	71 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	168 %	128 %
Prated	13.88 kW	13.79 kW
SCOP	4.27	3.28
Tbiv	-6 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.27 kW	12.20 kW
COP Tj = -7° C	2.64	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.64 kW	7.74 kW
COP Tj = +2°C	4.07	3.10
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.95 kW	5.04 kW
COP Tj = +7°C	6.05	4.55
Cdh Tj = +7 °C	0.900	0.900



	-	
Pdh Tj = 12°C	2.97 kW	2.70 kW
COP Tj = 12°C	7.71	6.24
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.74 kW	12.20 kW
COP Tj = Tbiv	2.71	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.22 kW	10.28 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.45	1.66
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	19 W	19 W
РТО	78 W	78 W
PSB	19 W	19 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.66 kW	3.51 kW
Annual energy consumption Qhe	6715 kWh	8688 kWh



Model: Sherpa Aquadue S2 16

Configure model		
Model name Sherpa Aquadue S2 16		
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	15.50 kW	14.89 kW	
El input	3.82 kW	5.44 kW	
СОР	4.06	2.74	

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	46 dB(A)	46 dB(A)
Sound power level outdoor	72 dB(A)	72 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	158 %	128 %
Prated	16.06 kW	14.99 kW
SCOP	4.01	3.26
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.49 kW	11.67 kW
COP Tj = -7°C	2.67	1.99
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = $+2$ °C	8.44 kW	8.13 kW
COP Tj = +2°C	3.93	3.09
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.59 kW	5.39 kW
COP Tj = +7°C	5.87	4.73
Cdh Tj = +7 °C	0.900	0.900



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Pdh Tj = 12°C	3.12 kW	2.81 kW
COP Tj = 12°C	7.38	6.59
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.97 kW	12.11 kW
COP Tj = Tbiv	2.86	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.66 kW	10.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.49	1.70
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	19 W	19 W
РТО	78 W	78 W
PSB	19 W	19 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.40 kW	4.81 kW
Annual energy consumption Qhe	8272 kWh	9491 kWh

Model: Sherpa Tower S2 12

Configure model		
Model name Sherpa Tower S2 12		
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	12.10 kW	10.26 kW	
El input	2.74 kW	3.75 kW	
СОР	4.42	2.74	

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	46 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	175 %	127 %
Prated	12.00 kW	12.28 kW
SCOP	4.46	3.24
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.97 kW	10.87 kW
COP Tj = -7°C	2.79	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.67 kW	6.99 kW
COP Tj = +2°C	4.20	3.05
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.17 kW	4.22 kW
COP Tj = +7°C	6.12	4.49
Cdh Tj = +7 °C	0.900	0.900



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

Pdh Tj = 12°C	2.83 kW	2.50 kW
COP Tj = 12°C	7.87	5.97
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.00 kW	10.87 kW
COP Tj = Tbiv	2.60	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	10.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.73
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	19 W	19 W
РТО	78 W	78 W
PSB	19 W	19 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	1.95 kW
Annual energy consumption Qhe	5558 kWh	7833 kWh



Model: Sherpa Tower S2 14

Configure model		
Model name	Sherpa Tower S2 14	
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	14.00 kW	12.80 kW
El input	3.39 kW	4.55 kW
СОР	4.13	2.81

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	46 dB(A)	46 dB(A)
Sound power level outdoor	71 dB(A)	71 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	168 %	128 %
Prated	13.88 kW	13.79 kW
SCOP	4.27	3.28
Tbiv	-6 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.27 kW	12.20 kW
COP Tj = -7°C	2.64	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = $+2^{\circ}$ C	7.64 kW	7.74 kW
COP Tj = +2°C	4.07	3.10
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.95 kW	5.04 kW
COP Tj = +7°C	6.05	4.55
Cdh Tj = +7 °C	0.900	0.900



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

Pdh Tj = 12°C	2.97 kW	2.70 kW
COP Tj = 12°C	7.71	6.24
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.74 kW	12.20 kW
COP Tj = Tbiv	2.71	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.22 kW	10.28 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.45	1.66
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	19 W	19 W
РТО	78 W	78 W
PSB	19 W	19 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.66 kW	3.51 kW
Annual energy consumption Qhe	6715 kWh	8688 kWh

Model: Sherpa Tower S2 16

Configure model		
Model name	Sherpa Tower S2 16	
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	15.50 kW	14.89 kW
El input	3.82 kW	5.44 kW
СОР	4.06	2.74

EN 14511-4	
Shutting off the heat transfer medium flow	naccod
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	46 dB(A)	46 dB(A)
Sound power level outdoor	72 dB(A)	72 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	158 %	128 %
Prated	16.06 kW	14.99 kW
SCOP	4.01	3.26
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.49 kW	11.67 kW
COP Tj = -7°C	2.67	1.99
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = $+2$ °C	8.44 kW	8.13 kW
COP Tj = +2°C	3.93	3.09
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.59 kW	5.39 kW
COP Tj = +7°C	5.87	4.73
Cdh Tj = +7 °C	0.900	0.900



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

Pdh Tj = 12°C	3.12 kW	2.81 kW
COP Tj = 12°C	7.38	6.59
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.97 kW	12.11 kW
COP Tj = Tbiv	2.86	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.66 kW	10.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.49	1.70
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	19 W	19 W
РТО	78 W	78 W
PSB	19 W	19 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.40 kW	4.81 kW
Annual energy consumption Qhe	8272 kWh	9491 kWh



Model: Sherpa Aquadue Tower S2 12

Configure model		
Model name	Sherpa Aquadue Tower S2 12	
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		Medium temperature
Heat output	12.10 kW	10.26 kW
El input	2.74 kW	3.75 kW
СОР	4.42	2.74

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	46 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	175 %	127 %
Prated	12.00 kW	12.28 kW
SCOP	4.46	3.24
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.97 kW	10.87 kW
COP Tj = -7°C	2.79	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.67 kW	6.99 kW
COP Tj = +2°C	4.20	3.05
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.17 kW	4.22 kW
COP Tj = +7°C	6.12	4.49
Cdh Tj = +7 °C	0.900	0.900



Pdh Tj = 12°C	2.83 kW	2.50 kW
COP Tj = 12°C	7.87	5.97
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.00 kW	10.87 kW
COP Tj = Tbiv	2.60	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	10.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.73
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	19 W	19 W
РТО	78 W	78 W
PSB	19 W	19 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	1.95 kW
Annual energy consumption Qhe	5558 kWh	7833 kWh

Model: Sherpa Aquadue Tower S2 14

Configure model		
Model name Sherpa Aquadue Tower S2 14		
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	14.00 kW	12.80 kW
El input	3.39 kW	4.55 kW
СОР	4.13	2.81

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	46 dB(A)	46 dB(A)
Sound power level outdoor	71 dB(A)	71 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	168 %	128 %
Prated	13.88 kW	13.79 kW
SCOP	4.27	3.28
Tbiv	-6 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.27 kW	21.20 kW
COP Tj = -7°C	2.64	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = $+2^{\circ}$ C	7.64 kW	7.74 kW
COP Tj = +2°C	4.07	3.10
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = $+7^{\circ}$ C	4.95 kW	5.04 kW
COP Tj = +7°C	6.05	4.55
Cdh Tj = +7 °C	0.900	0.900



Pdh Tj = 12°C	2.97 kW	2.70 kW
COP Tj = 12°C	7.71	6.24
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.74 kW	12.20 kW
COP Tj = Tbiv	2.71	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.22 kW	10.28 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.45	1.66
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	19 W	19 W
РТО	78 W	78 W
PSB	19 W	19 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.66 kW	3.51 kW
Annual energy consumption Qhe	6715 kWh	8688 kWh

Model: Sherpa Aquadue Tower S2 16

Configure model		
Model name	Sherpa Aquadue Tower S2 16	
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	15.50 kW	14.89 kW
El input	3.82 kW	5.44 kW
СОР	4.06	2.74

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	46 dB(A)	46 dB(A)
Sound power level outdoor	72 dB(A)	72 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	158 %	128 %
Prated	16.06 kW	14.99 kW
SCOP	4.01	3.26
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.49 kW	11.67 kW
COP Tj = -7°C	2.67	1.99
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = $+2$ °C	8.44 kW	8.13 kW
COP Tj = +2°C	3.93	3.09
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.59 kW	5.39 kW
COP Tj = +7°C	5.87	4.73
Cdh Tj = +7 °C	0.900	0.900



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Pdh Tj = 12°C	3.12 kW	2.81 kW
COP Tj = 12°C	7.38	6.59
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.97 kW	12.11 kW
COP Tj = Tbiv	2.86	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.66 kW	10.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.49	1.70
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	19 W	19 W
РТО	78 W	78 W
PSB	19 W	19 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.40 kW	4.81 kW
Annual energy consumption Qhe	8272 kWh	9491 kWh