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Login

Summary of	Sherpa S2 E 4 / 6	Reg. No.	ICIM-PDC-000130-00		
Certificate Holder	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 E 4 / 6				
Heat Pump Type	Outdoor Air/Water				
Refrigerant	R32				
Mass of Refrigerant	1.55 kg				
Certification Date	10.12.2021				
Testing basis	Heat Pump KEYMARK rev	v9			



Model: Sherpa S2 E 4

Configure model		
Model name	Sherpa S2 E 4	
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	4.20 kW	3.70 kW
El input	0.82 kW	1.30 kW
СОР	5.15	2.84

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	41 dB(A)	41 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	187 %	131 %
Prated	6.21 kW	6.00 kW
SCOP	4.77	3.34
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.49 kW	5.31 kW
COP Tj = -7°C	2.84	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.34 kW	3.38 kW
COP Tj = +2°C	4.60	3.22
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.15 kW	2.31 kW
COP Tj = +7°C	6.48	4.60
Cdh Tj = +7 °C	0.900	0.900





Pdh Tj = 12°C	0.96 kW	1.34 kW
COP Tj = 12°C	8.93	6.10
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.49 kW	5.31 kW
COP Tj = Tbiv	2.84	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.47 kW	4.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	29 W	29 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.74 kW	1.38 kW
Annual energy consumption Qhe	2694 kWh	3712 kWh



Model: Sherpa S2 E 6

Configure model		
Model name	Sherpa S2 E 6	
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	6.50 kW	3.59 kW
El input	1.34 kW	1.38 kW
СОР	4.85	2.60

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	41 dB(A)	41 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	187 %	131 %
Prated	6.21 kW	6.00 kW
SCOP	4.76	3.34
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.49 kW	5.31 kW
COP Tj = -7°C	2.84	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.48 kW	3.38 kW
COP Tj = +2°C	4.60	3.23
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.36 kW	2.31 kW
COP Tj = +7°C	6.48	4.60
Cdh Tj = +7 °C	0.900	0.900





Pdh Tj = 12°C	1.51 kW	1.34 kW
COP Tj = 12°C	8.93	6.10
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.49 kW	5.31 kW
COP Tj = Tbiv	2.84	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.47 kW	4.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	29 W	29 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.74 kW	1.38 kW
Annual energy consumption Qhe	2694 kWh	3711 kWh



Model: Sherpa Aquadue S2 E 4

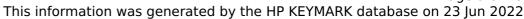
Configure model		
Model name	Sherpa Aquadue S2 E 4	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.20 kW	3.70 kW
El input	0.82 kW	1.30 kW
СОР	5.15	2.84

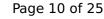
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	187 %	131 %
Prated	6.21 kW	6.00 kW
SCOP	4.77	3.34
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.49 kW	5.31 kW
COP Tj = -7°C	2.84	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.34 kW	3.38 kW
COP Tj = +2°C	4.60	3.22
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.15 kW	2.31 kW
$COP Tj = +7^{\circ}C$	6.48	4.60
Cdh Tj = +7 °C	0.900	0.900





Pdh Tj = 12°C	0.96 kW	1.34 kW
COP Tj = 12°C	8.93	6.10
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.49 kW	5.31 kW
COP Tj = Tbiv	2.84	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.47 kW	4.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	29 W	29 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.74 kW	1.38 kW
Annual energy consumption Qhe	2694 kWh	3712 kWh

Model: Sherpa Aquadue S2 E 6

Configure model		
Model name	Sherpa Aquadue S2 E 6	
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	6.50 kW	3.59 kW		
El input	1.34 kW	1.38 kW		
СОР	4.85	2.60		

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	41 dB(A)	41 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	187 %	131 %
Prated	6.21 kW	6.00 kW
SCOP	4.76	3.34
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.49 kW	5.31 kW
COP Tj = -7°C	2.84	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.48 kW	3.38 kW
COP Tj = +2°C	4.60	3.23
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.36 kW	2.31 kW
COP Tj = +7°C	6.48	4.60
Cdh Tj = +7 °C	0.900	0.900



		<u> </u>
Pdh Tj = 12°C	1.51 kW	1.34 kW
COP Tj = 12°C	8.93	6.10
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.49 kW	5.31 kW
COP Tj = Tbiv	2.84	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.47 kW	4.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	29 W	29 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.74 kW	1.38 kW
Annual energy consumption Qhe	2694 kWh	3711 kWh

Model: Sherpa Tower S2 E 4

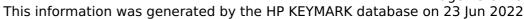
Configure model		
Model name Sherpa Tower S2 E 4		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	4.20 kW	3.70 kW	
El input	0.82 kW	1.30 kW	
СОР	5.15	2.84	

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	41 dB(A)	41 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	187 %	131 %
Prated	6.21 kW	6.00 kW
SCOP	4.77	3.34
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.49 kW	5.31 kW
COP Tj = -7°C	2.84	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.34 kW	3.38 kW
COP Tj = +2°C	4.60	3.22
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.15 kW	2.31 kW
$COP Tj = +7^{\circ}C$	6.48	4.60
Cdh Tj = +7 °C	0.900	0.900





		Title database on 25 jan 2021
Pdh Tj = 12°C	0.96 kW	1.34 kW
COP Tj = 12°C	8.93	6.10
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.49 kW	5.31 kW
COP Tj = Tbiv	2.84	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.47 kW	4.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	29 W	29 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.74 kW	1.38 kW
Annual energy consumption Qhe	2694 kWh	3712 kWh

Model: Sherpa Tower S2 E 6

Configure model		
Model name Sherpa Tower S2 E 6		
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	6.50 kW	3.59 kW	
El input	1.34 kW	1.38 kW	
СОР	4.85	2.60	

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	41 dB(A)	41 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	187 %	131 %
Prated	6.21 kW	6.00 kW
SCOP	4.76	3.34
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.49 kW	5.31 kW
COP Tj = -7°C	2.84	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.48 kW	3.38 kW
COP Tj = +2°C	4.60	3.23
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.36 kW	2.31 kW
COP Tj = +7°C	6.48	4.60
Cdh Tj = +7 °C	0.900	0.900





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Pdh Tj = 12°C	1.51 kW	1.34 kW
COP Tj = 12°C	8.93	6.10
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.49 kW	5.31 kW
COP Tj = Tbiv	2.84	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.47 kW	4.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	29 W	29 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.74 kW	1.38 kW
Annual energy consumption Qhe	2694 kWh	3711 kWh

Model: Sherpa Aquadue Tower S2 E 4

Configure model		
Model name Sherpa Aquadue Tower S2 E 4		
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

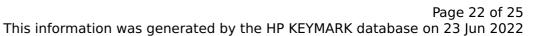
EN 14511-2			
Low temperature Medium temperature			
Heat output	4.20 kW	3.70 kW	
El input	0.82 kW	1.30 kW	
СОР	5.15	2.84	

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	41 dB(A)	41 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	187 %	131 %
Prated	6.21 kW	6.00 kW
SCOP	4.77	3.34
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.49 kW	5.31 kW
COP Tj = -7°C	2.84	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.34 kW	3.38 kW
COP Tj = +2°C	4.60	3.22
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.15 kW	2.31 kW
COP Tj = +7°C	6.48	4.60
Cdh Tj = +7 °C	0.900	0.900





Pdh Tj = 12°C	0.96 kW	1.34 kW
COP Tj = 12°C	8.93	6.10
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.49 kW	5.31 kW
COP Tj = Tbiv	2.84	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.47 kW	4.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	29 W	29 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	n/a	Electricity
Supplementary Heater: PSUP	0.74 kW	1.38 kW
Annual energy consumption Qhe	2694 kWh	3712 kWh



Model: Sherpa Aquadue Tower S2 E 6

Configure model		
Model name	Sherpa Aquadue Tower S2 E 6	
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

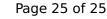
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.50 kW	3.59 kW	
El input	1.34 kW	1.38 kW	
СОР	4.85	2.60	

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	41 dB(A)	41 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	187 %	131 %
Prated	6.21 kW	6.00 kW
SCOP	4.76	3.34
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.49 kW	5.31 kW
COP Tj = -7°C	2.84	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.48 kW	3.38 kW
COP Tj = +2°C	4.60	3.23
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.36 kW	2.31 kW
COP Tj = +7°C	6.48	4.60
Cdh Tj = +7 °C	0.900	0.900





Pdh Tj = 12°C	1.15 kW	1.34 kW
COP Tj = 12°C	8.93	6.10
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.49 kW	5.31 kW
COP Tj = Tbiv	2.84	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.47 kW	4.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.62
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	29 W	29 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.74 kW	1.38 kW
Annual energy consumption Qhe	2694 kWh	3711 kWh