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Summary of	Sherpa S2 E 4 / 6	Reg. No.	ICIM-PDC-000130-00
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 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 rev9		

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
COP	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

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

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

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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
PTO	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 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
COP	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

Average Climate

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
PTO	29 W	29 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	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
COP	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

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

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

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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
PTO	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 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
COP	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

Average Climate

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
PTO	29 W	29 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	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
COP	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

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

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

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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
PTO	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

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)

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
COP	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

Average Climate

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
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WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	29 W	29 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	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
COP	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

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
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EN 14825

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WTOL	60 °C	60 °C
Poff	29 W	29 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 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
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EN 14511-4	
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Defrost test	passed
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Average Climate

EN 12102-1

	Low temperature	Medium temperature
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EN 14825

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Cdh Tj = -7 °C	0.900	0.900
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COP Tj = +2°C	4.60	3.23
Cdh Tj = +2 °C	0.900	0.900
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Poff	15 W	15 W
PTO	29 W	29 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	3711 kWh