

Subtype Sherpa S2 E 4 / 6

Certificate Holder	Olimpia Splendid S.p.A.
Address	Via Industriale, 1/3
ZIP	25060
City	Cellatica (BS)
Country	IT
Certification Body	ICIM S.p.A.
Subtype title	Sherpa S2 E 4 / 6
Registration number	ICIM-PDC-000130-00
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**

Model name	Sherpa S2 E 4
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	30.10.2025

**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	4.20 kW	3.70 kW
El input	0.82 kW	1.30 kW
COP	5.15	2.84

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	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
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**

Model name	Sherpa S2 E 6
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	30.10.2025

**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	6.50 kW	3.59 kW
El input	1.34 kW	1.38 kW
COP	4.85	2.60

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	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
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**

Model name	Sherpa Aquadue S2 E 4
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	30.10.2025

**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	4.20 kW	3.70 kW
El input	0.82 kW	1.30 kW
COP	5.15	2.84

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	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
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**

Model name	Sherpa Aquadue S2 E 6
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	30.10.2025

**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	6.50 kW	3.59 kW
El input	1.34 kW	1.38 kW
COP	4.85	2.60

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	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
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**

Model name	Sherpa Tower S2 E 4
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	30.10.2025

**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	4.20 kW	3.70 kW
El input	0.82 kW	1.30 kW
COP	5.15	2.84

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	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
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 Tower S2 E 6**

Model name	Sherpa Tower S2 E 6
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	30.10.2025

**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	6.50 kW	3.59 kW
El input	1.34 kW	1.38 kW
COP	4.85	2.60

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	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
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**

Model name	Sherpa Aquadue Tower S2 E 4
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	30.10.2025

**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	4.20 kW	3.70 kW
El input	0.82 kW	1.30 kW
COP	5.15	2.84

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	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
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**

Model name	Sherpa Aquadue Tower S2 E 6
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	30.10.2025

**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	6.50 kW	3.59 kW
El input	1.34 kW	1.38 kW
COP	4.85	2.60

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	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
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