Subtype Sherpa S2 12/14/16

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 12/14/16
Registration number	ICIM-PDC-000128-00
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	3.9 kg
Certification Date	10.12.2021
Testing basis	Heat Pump KEYMARK rev9

Model Sherpa S2 12

Model name	Sherpa S2 12
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	12.10 kW	10.26 kW
El input	2.74 kW	3.75 kW
COP	4.42	2.74

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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
PTO	78 W	78 W
PSB	19 W	19 W
PCK	0 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 S2 14

Model name	Sherpa S2 14
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	14.00 kW	12.80 kW
El input	3.39 kW	4.55 kW
COP	4.13	2.81

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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
PTO	78 W	78 W
PSB	19 W	19 W
PCK	0 W	0 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 S2 16

Model name	Sherpa S2 16
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	15.50 kW	14.89 kW
El input	3.82 kW	5.44 kW
COP	4.06	2.74

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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
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
PTO	78 W	78 W
PSB	19 W	19 W
PCK	0 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

Model name	Sherpa Aquadue S2 12
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	12.10 kW	10.26 kW
El input	2.74 kW	3.75 kW
COP	4.42	2.74

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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
PTO	78 W	78 W
PSB	19 W	19 W
PCK	0 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 Aquadue S2 14

Model name	Sherpa Aquadue S2 14
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	14.00 kW	12.80 kW
El input	3.39 kW	4.55 kW
COP	4.13	2.81

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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
PTO	78 W	78 W
PSB	19 W	19 W
PCK	0 W	0 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

Model name	Sherpa Aquadue S2 16
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	15.50 kW	14.89 kW
El input	3.82 kW	5.44 kW
COP	4.06	2.74

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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
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
PTO	78 W	78 W
PSB	19 W	19 W
PCK	0 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 Tower S2 12

Model name	Sherpa Tower S2 12
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	12.10 kW	10.26 kW
El input	2.74 kW	3.75 kW
COP	4.42	2.74

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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
PTO	78 W	78 W
PSB	19 W	19 W
PCK	0 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

Model name	Sherpa Tower S2 14
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	14.00 kW	12.80 kW
El input	3.39 kW	4.55 kW
COP	4.13	2.81

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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
PTO	78 W	78 W
PSB	19 W	19 W
PCK	0 W	0 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

Model name	Sherpa Tower S2 16
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	15.50 kW	14.89 kW
El input	3.82 kW	5.44 kW
COP	4.06	2.74

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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
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
PTO	78 W	78 W
PSB	19 W	19 W
PCK	0 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 Tower S2 12

Model name	Sherpa Aquadue Tower S2 12
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	12.10 kW	10.26 kW
El input	2.74 kW	3.75 kW
COP	4.42	2.74

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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
PTO	78 W	78 W
PSB	19 W	19 W
PCK	0 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 Aquadue Tower S2 14	
Model name	Sherpa Aquadue Tower S2 14
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	14.00 kW	12.80 kW
El input	3.39 kW	4.55 kW
COP	4.13	2.81

EN 12102-1 | Average Climate		
	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 | Average Climate		
	Low temperature	Medium temperature
ηs	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°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
PTO	78 W	78 W
PSB	19 W	19 W
PCK	0 W	0 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

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

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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
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
PTO	78 W	78 W
PSB	19 W	19 W
PCK	0 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