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

#### <u>Login</u>

Summary of	Sherpa S2 E 8/10	Reg. No.	ICIM-PDC-000131-00		
Certificate Holder					
Name	Olimpia Splendid S.p.A.	Olimpia Splendid S.p.A.			
Address	Via Industriale, 1/3	Via Industriale, 1/3 Zip 25060			
City	Cellatica (BS)	Country	Italy		
Certification Body	ICIM S.p.A.				
Subtype title	Sherpa S2 E 8/10				
Heat Pump Type	Outdoor Air/Water				
Refrigerant	R32				
Mass of Refrigerant	3.9 kg				
Certification Date	10.12.2021				
Testing basis	Heat Pump KEYMARK re	v9			



# Model: Sherpa S2 E 8

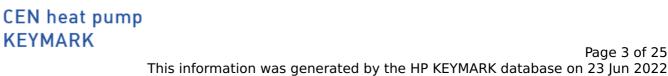
Configure model		
Model name	Sherpa S2 E 8	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.40 kW	5.15 kW
El input	1.73 kW	2.23 kW
СОР	4.85	2.31

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	63 dB(A)	63 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	188 %	128 %
Prated	8.88 kW	7.92 kW
SCOP	4.78	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.85 kW	7.01 kW
COP Tj = -7°C	2.96	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = $+2^{\circ}$ C	5.20 kW	4.46 kW
COP Tj = +2°C	4.55	3.19
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.33 kW	2.95 kW
$COP Tj = +7^{\circ}C$	6.58	4.41
Cdh Tj = +7 °C	0.900	0.900





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2.08 kW	1.38 kW
8.66	5.11
0.900	0.900
7.85 kW	7.01 kW
2.96	2.02
7.45 kW	6.62 kW
2.82	1.65
0.900	0.900
60 °C	60 °C
14 W	14 W
29 W	29 W
14 W	14 W
0 W	0 W
Electricity	Electricity
1.43 kW	1.30 kW
3837 kWh	4988 kWh
	8.66  0.900  7.85 kW  2.96  7.45 kW  2.82  0.900  60 °C  14 W  29 W  14 W  0 W  Electricity  1.43 kW



# Model: Sherpa S2 E 10

Configure model		
Model name	Sherpa S2 E 10	
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	10.00 kW	8.95 kW	
El input	2.15 kW	3.30 kW	
СОР	4.65	2.71	

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	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	188 %	128 %
Prated	8.88 kW	7.92 kW
SCOP	4.78	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.85 kW	7.01 kW
COP Tj = -7°C	2.96	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.20 kW	4.46 kW
COP Tj = +2°C	4.55	3.19
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.33 kW	2.95 kW
COP Tj = +7°C	6.58	4.41
Cdh Tj = +7 °C	0.900	0.900
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Pdh Tj = 12°C	2.08 kW	1.38 kW
COP Tj = 12°C	8.66	5.11
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.85 kW	7.01 kW
COP Tj = Tbiv	2.96	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.45 kW	6.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	29 W	29 W
PSB	14 W	14 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.43 kW	1.30 kW
Annual energy consumption Qhe	3837 kWh	4988 kWh

# Model: Sherpa Aquadue S2 E 8

Configure model		
Model name	Sherpa Aquadue S2 E 8	
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

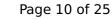
EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.40 kW	5.15 kW
El input	1.73 kW	2.23 kW
СОР	4.85	2.31

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	63 dB(A)	63 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	188 %	128 %
Prated	8.88 kW	7.92 kW
SCOP	4.78	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.85 kW	7.01 kW
COP Tj = -7°C	2.96	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.20 kW	4.46 kW
COP Tj = +2°C	4.55	3.19
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.33 kW	2.95 kW
COP Tj = +7°C	6.58	4.41
Cdh Tj = +7 °C	0.900	0.900





Pdh Tj = 12°C	2.08 kW	1.38 kW
COP Tj = 12°C	8.66	5.11
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.85 kW	7.01 kW
COP Tj = Tbiv	2.96	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.45 kW	6.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	29 W	29 W
PSB	14 W	14 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.43 kW	1.30 kW
Annual energy consumption Qhe	3837 kWh	4988 kWh

# **Model: Sherpa Aquadue S2 E 10**

Configure model		
Model name	Sherpa Aquadue S2 E 10	
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	10.00 kW	8.95 kW	
El input	2.15 kW	3.30 kW	
СОР	4.65	2.71	

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	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	188 %	128 %
Prated	8.88 kW	7.92 kW
SCOP	4.78	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.85 kW	7.01 kW
COP Tj = -7°C	2.96	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.20 kW	4.46 kW
COP Tj = +2°C	4.55	3.19
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.33 kW	2.95 kW
COP Tj = +7°C	6.58	4.41
Cdh Tj = +7 °C	0.900	0.900
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Pdh Tj = 12°C	2.08 kW	1.38 kW
COP Tj = 12°C	8.66	5.11
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.85 kW	7.01 kW
COP Tj = Tbiv	2.96	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.45 kW	6.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	29 W	29 W
PSB	14 W	14 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.43 kW	1.30 kW
Annual energy consumption Qhe	3837 kWh	4988 kWh



# **Model: Sherpa Tower S2 E 8**

Configure model		
Model name	Sherpa Tower S2 E 8	
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	8.40 kW	5.15 kW		
El input	1.73 kW	2.23 kW		
СОР	4.85	2.31		

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	63 dB(A)	63 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	188 %	128 %
Prated	8.88 kW	7.92 kW
SCOP	4.78	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7^{\circ}$ C	7.85 kW	7.01 kW
COP Tj = $-7^{\circ}$ C	2.96	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = $+2$ °C	5.20 kW	4.46 kW
COP Tj = +2°C	4.55	3.19
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = $+7^{\circ}$ C	3.33 kW	2.95 kW
COP Tj = +7°C	6.58	4.41
Cdh Tj = +7 °C	0.900	0.900





This information was generated by the HP KEYMARK database on 23 jun 20			
Pdh Tj = 12°C	2.08 kW	1.38 kW	
COP Tj = 12°C	8.66	5.11	
Cdh Tj = +12 °C	0.900	0.900	
Pdh Tj = Tbiv	7.85 kW	7.01 kW	
COP Tj = Tbiv	2.96	2.02	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.45 kW	6.62 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.65	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900	
WTOL	60 °C	60 °C	
Poff	14 W	14 W	
РТО	29 W	29 W	
PSB	14 W	14 W	
PCK	0 W	o w	
Supplementary Heater: Type of energy input	Electricity	Electricity	
Supplementary Heater: PSUP	1.43 kW	1.30 kW	
Annual energy consumption Qhe	3837 kWh	4988 kWh	

# **Model: Sherpa Tower S2 E 10**

Configure model		
Model name Sherpa Tower S2 E 10		
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	10.00 kW	8.95 kW	
El input	2.15 kW	3.30 kW	
СОР	4.65	2.71	

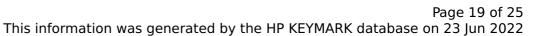
EN 14511-4	
Shutting off the heat transfer medium flow	naccod
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	188 %	128 %
Prated	8.88 kW	7.92 kW
SCOP	4.78	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.85 kW	7.01 kW
COP Tj = -7°C	2.96	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = $+2^{\circ}$ C	5.20 kW	4.46 kW
COP Tj = +2°C	4.55	3.19
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.33 kW	2.95 kW
$COP Tj = +7^{\circ}C$	6.58	4.41
Cdh Tj = +7 °C	0.900	0.900





		Tirk database on 25 jan 2022
Pdh Tj = 12°C	2.08 kW	1.38 kW
COP Tj = 12°C	8.66	5.11
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.85 kW	7.01 kW
COP Tj = Tbiv	2.96	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.45 kW	6.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	29 W	29 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.43 kW	1.30 kW
Annual energy consumption Qhe	3837 kWh	4988 kWh

# Model: Sherpa Aquadue Tower S2 E 8

Configure model		
Model name Sherpa Aquadue Tower S2 E 8		
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

CEN heat pump

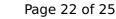
EN 14511-2			
Low temperature Medium temperature			
Heat output	8.40 kW	5.15 kW	
El input	1.73 kW	2.23 kW	
СОР	4.85	2.31	

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	63 dB(A)	63 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	188 %	128 %
Prated	8.88 kW	7.92 kW
SCOP	4.78	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.85 kW	7.01 kW
COP Tj = -7°C	2.96	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.20 kW	4.46 kW
COP Tj = +2°C	4.55	3.19
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.33 kW	2.95 kW
COP Tj = +7°C	6.58	4.41
Cdh Tj = +7 °C	0.900	0.900





Pdh Tj = 12°C	2.08 kW	1.38 kW
COP Tj = 12°C	8.66	5.11
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.85 kW	7.01 kW
COP Tj = Tbiv	2.96	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.45 kW	6.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	29 W	29 W
PSB	14 W	14 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.43 kW	1.30 kW
Annual energy consumption Qhe	3837 kWh	4988 kWh

# **Model: Sherpa Aquadue Tower S2 E 10**

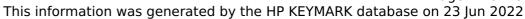
Configure model		
Model name	Sherpa Aquadue Tower S2 E 10	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	10.00 kW	8.95 kW
El input	2.15 kW	3.30 kW
СОР	4.65	2.71

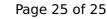
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	188 %	128 %
Prated	8.88 kW	7.92 kW
SCOP	4.78	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.85 kW	7.01 kW
COP Tj = -7°C	2.96	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.20 kW	4.46 kW
COP Tj = +2°C	4.55	3.19
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.33 kW	2.95 kW
COP Tj = +7°C	6.58	4.41
Cdh Tj = +7 °C	0.900	0.900





Pdh Tj = 12°C	2.08 kW	1.38 kW
COP Tj = 12°C	8.66	5.11
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.85 kW	7.01 kW
COP Tj = Tbiv	2.96	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.45 kW	6.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	29 W	29 W
PSB	14 W	14 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.43 kW	1.30 kW
Annual energy consumption Qhe	3837 kWh	4988 kWh