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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	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		

CEN heat pump

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	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
η_{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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	1	
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
PTO	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 S2 E 10

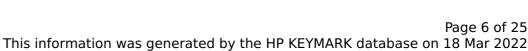
Configure model		
Model name	Sherpa S2 E 10	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

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)

CEN heat pump KEYMARK

EN 14825		
	Low temperature	Medium temperature
η_{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
	l l	





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
η_{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 = $+7^{\circ}$ 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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	1	
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	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
η_{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 = $+7^{\circ}$ 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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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
PTO	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
η_{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	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 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	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
η_{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
PTO	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 8

Configure model		
Model name Sherpa Aquadue Tower S2 E 8		
Application	tion 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
η_{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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-	
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 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	
188 %	128 %	
8.88 kW	7.92 kW	
4.78	3.28	
-7 °C	-7 °C	
-10 °C	-10 °C	
7.85 kW	7.01 kW	
2.96	2.02	
0.900	0.900	
5.20 kW	4.46 kW	
4.55	3.19	
0.900	0.900	
3.33 kW	2.95 kW	
6.58	4.41	
0.900	0.900	
	Low temperature 188 % 8.88 kW 4.78 -7 °C -10 °C 7.85 kW 2.96 0.900 5.20 kW 4.55 0.900 3.33 kW 6.58	



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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