

Subtype SHERPA MONOBLOC S4 P 6

Certificate Holder	Olimpia Splendid S.p.A.
Address	Via Industriale, 1/3
ZIP	25060
City	Cellatica (BS)
Country	IT
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	SHERPA MONOBLOC S4 P 6
Registration number	011-1W1025
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.7 kg
Certification Date	27.03.2025
Testing basis	HP KEYMARK certification scheme rules V14

Model SHERPA MONOBLOC S4 P 6

Model name	SHERPA MONOBLOC S4 P 6
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder, Warmer
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

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	6.45 kW	6.30 kW
El input	1.32 kW	1.97 kW
COP	4.90	3.20

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	204 %	149 %
Prated	6.10 kW	5.60 kW
SCOP	5.17	3.79
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.51 kW	5.06 kW
COP Tj = -7°C	3.17	2.40
Cdh Tj = -7 °C	0.992	0.993
Pdh Tj = +2°C	3.28 kW	3.03 kW
COP Tj = +2°C	4.91	3.58
Cdh Tj = +2 °C	0.979	0.983
Pdh Tj = +7°C	2.12 kW	1.97 kW

COP Tj = +7°C	7.15	5.06
Cdh Tj = +7 °C	0.953	0.964
Pdh Tj = 12°C	1.70 kW	1.61 kW
COP Tj = 12°C	9.56	7.15
Cdh Tj = +12 °C	0.921	0.938
Pdh Tj = Tbiv	5.51 kW	5.06 kW
COP Tj = Tbiv	3.17	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.18 kW	4.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	75 °C	75 °C
Poff	13 W	13 W
PTO	14 W	14 W
PSB	13 W	13 W
PCK	1 W	1 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	0.80 kW
Annual energy consumption Qhe	2440 kWh	3056 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	171 %	135 %
Prated	6.30 kW	6.10 kW
SCOP	4.35	3.44
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.82 kW	3.65 kW
COP Tj = -7°C	3.73	2.75
Cdh Tj = -7 °C	0.986	0.989
Pdh Tj = +2°C	2.42 kW	2.28 kW
COP Tj = +2°C	5.05	4.09
Cdh Tj = +2 °C	0.971	0.975
Pdh Tj = +7°C	1.92 kW	1.84 kW
COP Tj = +7°C	7.72	6.16
Cdh Tj = +7 °C	0.944	0.953
Pdh Tj = 12°C	1.71 kW	1.64 kW
COP Tj = 12°C	9.87	8.45
Cdh Tj = +12 °C	0.919	0.928
Pdh Tj = Tbiv	5.18 kW	5.13 kW

COP Tj = Tbiv	2.56	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.98 kW	3.91 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.21	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	75 °C	75 °C
Poff	13 W	13 W
PTO	14 W	14 W
PSB	13 W	13 W
PCK	1 W	1 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.30 kW	2.20 kW
Annual energy consumption Qhe	3573 kWh	4371 kWh
Pdh Tj = -15°C (if TOL	5.18	5.13
COP Tj = -15°C (if TOL	2.56	2.13
Cdh Tj = -15 °C	0.993	0.994

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	288 %	202 %
Prated	6.00 kW	6.00 kW
SCOP	7.27	5.14
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.08 kW	6.06 kW
COP Tj = +2°C	3.98	2.64
Cdh Tj = +2 °C	0.991	0.994
Pdh Tj = +7°C	3.92 kW	3.91 kW
COP Tj = +7°C	6.17	4.21
Cdh Tj = +7 °C	0.978	0.985
Pdh Tj = 12°C	1.78 kW	1.81 kW
COP Tj = 12°C	9.46	6.95
Cdh Tj = +12 °C	0.926	0.946
Pdh Tj = Tbiv	6.08 kW	6.06 kW
COP Tj = Tbiv	3.98	2.64
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.08 kW	6.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.98	2.64

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.994
WTOL	75 °C	75 °C
Poff	13 W	13 W
PTO	14 W	14 W
PSB	13 W	13 W
PCK	1 W	1 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1102 kWh	1561 kWh