

## Subtype SHERPA MONOBLOC S4 P 9

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 9
Registration number	011-1W1026
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.92 kg
Certification Date	27.03.2025
Testing basis	HP KEYMARK certification scheme rules V14

## Model SHERPA MONOBLOC S4 P 9

Model name	SHERPA MONOBLOC S4 P 9
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	9.00 kW	9.00 kW
El input	1.86 kW	2.86 kW
COP	4.85	3.15

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	203 %	150 %
Prated	9.00 kW	9.00 kW
SCOP	5.15	3.82
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.03 kW	8.03 kW
COP Tj = -7°C	2.97	2.19
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	4.84 kW	4.82 kW
COP Tj = +2°C	4.85	3.73
Cdh Tj = +2 °C	0.987	0.990
Pdh Tj = +7°C	3.09 kW	2.96 kW

COP Tj = +7°C	7.80	5.57
Cdh Tj = +7 °C	0.967	0.976
Pdh Tj = 12°C	1.75 kW	2.10 kW
COP Tj = 12°C	8.84	7.99
Cdh Tj = +12 °C	0.934	0.951
Pdh Tj = Tbiv	8.03 kW	8.03 kW
COP Tj = Tbiv	2.97	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.40 kW	7.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.70	2.05
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.997
WTOL	75 °C	75 °C
Poff	12 W	12 W
PTO	13 W	13 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.60 kW	1.30 kW
Annual energy consumption Qhe	3612 kWh	4749 kWh

#### EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

#### EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	179 %	138 %
Prated	8.30 kW	8.60 kW
SCOP	4.55	3.51
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.07 kW	5.37 kW
COP Tj = -7°C	3.65	2.84
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	3.02 kW	3.17 kW
COP Tj = +2°C	5.68	4.39
Cdh Tj = +2 °C	0.976	0.982
Pdh Tj = +7°C	2.11 kW	2.11 kW
COP Tj = +7°C	7.84	6.05
Cdh Tj = +7 °C	0.952	0.963
Pdh Tj = 12°C	2.08 kW	1.89 kW
COP Tj = 12°C	9.59	7.14
Cdh Tj = +12 °C	0.940	0.951
Pdh Tj = Tbiv	6.83 kW	7.16 kW

COP Tj = Tbiv	2.63	1.93
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.58 kW	5.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.04	1.46
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.997
WTOL	75 °C	75 °C
Poff	12 W	12 W
PTO	13 W	13 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.70 kW	3.10 kW
Annual energy consumption Qhe	4495 kWh	6034 kWh
Pdh Tj = -15°C (if TOL	6.83	7.16
COP Tj = -15°C (if TOL	2.63	1.93
Cdh Tj = -15 °C	0.995	0.996

#### EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

#### EN 14825 | Warmer Climate

	Low temperature	Medium temperature
$\eta_s$	304 %	208 %
Prated	8.60 kW	8.80 kW
SCOP	7.69	5.26
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.64 kW	8.80 kW
COP Tj = +2°C	3.59	2.47
Cdh Tj = +2 °C	0.995	0.996
Pdh Tj = +7°C	5.72 kW	5.83 kW
COP Tj = +7°C	6.31	4.28
Cdh Tj = +7 °C	0.986	0.990
Pdh Tj = 12°C	2.66 kW	2.63 kW
COP Tj = 12°C	10.56	7.26
Cdh Tj = +12 °C	0.948	0.964
Pdh Tj = Tbiv	8.64 kW	8.80 kW
COP Tj = Tbiv	3.59	2.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.64 kW	8.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.59	2.47

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	75 °C	75 °C
Poff	12 W	12 W
PTO	13 W	13 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1495 kWh	2234 kWh