

Subtype Sherpa Tower S3 E 12 - 14 - 16 - 12T - 14T - 16T

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 Tower S3 E 12 - 14 - 16 - 12T - 14T - 16T
Registration number	ICIM-PDC-000187
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.84 kg
Certification Date	23.01.2023
Testing basis	Heat Pump KEYMARK V11

Model SHERPA TOWER S3 E 12

Model name	SHERPA TOWER S3 E 12
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a
Phase-out Date	20.06.2027

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water**EN 16147 | Average Climate**

Declared load profile	XL
Efficiency η_{DHW}	95 %
COP	2.21
Heating up time	00:58 h:min
Standby power input	110.0 W
Reference hot water temperature	43.9 °C
Mixed water at 40°C	221 l

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	12.00 kW
El input	2.44 kW	3.87 kW
COP	4.95	3.10

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	4.22 kW	3.00 kW
Cooling capacity	11.60	12.00
EER	2.75	4.00

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_S	189 %	135 %
P _{rated}	12.00 kW	11.60 kW
SCOP	4.81	3.45
T _{biv}	-7 °C	-7 °C
T _{OL}	-10 °C	-10 °C
P _{dh T_j} = -7°C	10.61 kW	10.24 kW
COP T _j = -7°C	2.88	2.01
Cd _h T _j = -7 °C	0.900	0.900
P _{dh T_j} = +2°C	6.69 kW	6.52 kW
COP T _j = +2°C	4.65	3.44
Cd _h T _j = +2 °C	0.900	0.900
P _{dh T_j} = +7°C	4.44 kW	4.36 kW
COP T _j = +7°C	6.62	4.59
Cd _h T _j = +7 °C	0.900	0.900
P _{dh T_j} = 12°C	3.74 kW	3.29 kW
COP T _j = 12°C	8.47	6.05
Cd _h T _j = +12 °C	0.900	0.900
P _{dh T_j} = T _{biv}	10.61 kW	10.27 kW
COP T _j = T _{biv}	2.88	2.01
P _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	10.74 kW	9.10 kW
COP T _j = T _{OL} or COP T _j = T _{designh} if T _{OL} < T _{designh}	2.77	1.79
Cd _h T _j = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	0.900	0.900
WT _{OL}	65 °C	65 °C
P _{off}	14 W	14 W
PTO	24 W	24 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.26 kW	2.50 kW
Annual energy consumption Q _{he}	5156 kWh	6927 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
P _{designc}	11.30 kW	11.80 kW
SEER	4.89	7.10
P _{dc T_j} = 35°C	11.31 kW	11.77 kW
EER T _j = 35°C	2.61	3.87

Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	8.76 kW	9.21 kW
EER Tj = 30°C	3.93	5.50
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	5.81 kW	5.74 kW
EER Tj = 25°C	5.73	8.66
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	2.63 kW	3.33 kW
EER Tj = 20°C	6.75	10.07
Cdc Tj = 20 °C	0.900	0.900
Poff	14 W	14 W
PTO	10 W	10 W
PSB	14 W	14 W
PCK	0 W	0 W
Annual energy consumption Qce	1387 kWh	997 kWh

Model SHERPA TOWER S3 E 14

Model name	SHERPA TOWER S3 E 14
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a
Phase-out Date	20.06.2027

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water**EN 16147 | Average Climate**

Declared load profile	XL
Efficiency η_{DHW}	95 %
COP	2.21
Heating up time	00:58 h:min
Standby power input	110.0 W
Reference hot water temperature	43.9 °C
Mixed water at 40°C	221 l

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	14.50 kW	13.80 kW
El input	3.09 kW	4.60 kW
COP	4.70	3.00

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	4.98 kW	3.50 kW
Cooling capacity	12.70	13.00
EER	2.55	3.70

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_S	186 %	135 %
P _{rated}	13.70 kW	12.10 kW
SCOP	4.72	3.47
T _{biv}	-7 °C	-7 °C
T _{OL}	-10 °C	-10 °C
P _{dh T_j} = -7°C	12.14 kW	10.68 kW
COP T _j = -7°C	2.79	2.01
C _{dh T_j} = -7 °C	0.900	0.900
P _{dh T_j} = +2°C	7.94 kW	6.86 kW
COP T _j = +2°C	4.52	3.43
C _{dh T_j} = +2 °C	0.900	0.900
P _{dh T_j} = +7°C	5.20 kW	4.63 kW
COP T _j = +7°C	6.68	4.66
C _{dh T_j} = +7 °C	0.900	0.900
P _{dh T_j} = 12°C	3.75 kW	3.31 kW
COP T _j = 12°C	8.52	6.13
C _{dh T_j} = +12 °C	0.900	0.900
P _{dh T_j} = T _{biv}	12.14 kW	10.68 kW
COP T _j = T _{biv}	2.79	2.01
P _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	11.47 kW	9.19 kW
COP T _j = T _{OL} or COP T _j = T _{designh} if T _{OL} < T _{designh}	2.59	1.76
C _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	0.900	0.900
WT _{OL}	65 °C	65 °C
P _{off}	14 W	14 W
PTO	24 W	24 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.23 kW	2.91 kW
Annual energy consumption Q _{he}	6012 kWh	7202 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
P _{designc}	12.20 kW	13.30 kW
SEER	4.86	6.90
P _{dc T_j} = 35°C	12.19 kW	13.30 kW
EER T _j = 35°C	2.46	3.47

Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	9.41 kW	10.20 kW
EER Tj = 30°C	3.85	5.26
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	6.16 kW	6.57 kW
EER Tj = 25°C	5.80	8.45
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	2.63 kW	3.33 kW
EER Tj = 20°C	6.74	10.07
Cdc Tj = 20 °C	0.900	0.900
Poff	14 W	14 W
PTO	10 W	10 W
PSB	14 W	14 W
PCK	0 W	0 W
Annual energy consumption Qce	1505 kWh	1157 kWh

Model SHERPA TOWER S3 E 16

Model name	SHERPA TOWER S3 E 16
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a
Phase-out Date	20.06.2027

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water**EN 16147 | Average Climate**

Declared load profile	XL
Efficiency η_{DHW}	95 %
COP	2.21
Heating up time	00:58 h:min
Standby power input	110.0 W
Reference hot water temperature	43.9 °C
Mixed water at 40°C	221 l

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	16.00 kW	16.00 kW
El input	3.56 kW	5.52 kW
COP	4.50	2.90

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	5.71 kW	3.74 kW
Cooling capacity	14.00	13.50
EER	2.45	3.61

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_S	182 %	133 %
P _{rated}	15.20 kW	13.00 kW
SCOP	4.62	3.41
T _{biv}	-7 °C	-7 °C
T _{OL}	-10 °C	-10 °C
P _{dh T_j} = -7°C	13.45 kW	11.52 kW
COP T _j = -7°C	2.72	1.99
C _{dh T_j} = -7 °C	0.900	0.900
P _{dh T_j} = +2°C	8.56 kW	7.18 kW
COP T _j = +2°C	4.41	3.34
C _{dh T_j} = +2 °C	0.900	0.900
P _{dh T_j} = +7°C	5.70 kW	4.67 kW
COP T _j = +7°C	6.56	4.61
C _{dh T_j} = +7 °C	0.900	0.900
P _{dh T_j} = 12°C	3.78 kW	3.32 kW
COP T _j = 12°C	8.51	6.07
C _{dh T_j} = +12 °C	0.900	0.900
P _{dh T_j} = T _{biv}	13.45 kW	11.52 kW
COP T _j = T _{biv}	2.72	1.99
P _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	12.52 kW	10.33 kW
COP T _j = T _{OL} or COP T _j = T _{designh} if T _{OL} < T _{designh}	2.48	1.80
C _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	0.900	0.900
WT _{OL}	65 °C	65 °C
P _{off}	14 W	14 W
PTO	24 W	24 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.68 kW	2.67 kW
Annual energy consumption Q _{he}	6804 kWh	7895 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
P _{designc}	14.30 kW	15.40 kW
SEER	4.69	6.75
P _{dc T_j} = 35°C	14.31 kW	15.40 kW
EER T _j = 35°C	2.47	3.50

Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	10.68 kW	11.42 kW
EER Tj = 30°C	3.63	5.14
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	6.76 kW	7.27 kW
EER Tj = 25°C	5.27	7.83
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	3.41 kW	3.40 kW
EER Tj = 20°C	7.29	10.35
Cdc Tj = 20 °C	0.900	0.900
Poff	14 W	14 W
PTO	10 W	10 W
PSB	14 W	14 W
PCK	0 W	0 W
Annual energy consumption Qce	1830 kWh	1369 kWh

Model SHERPA TOWER S3 E 12T

Model name	SHERPA TOWER S3 E 12T
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a
Phase-out Date	20.06.2027

General data

Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water**EN 16147 | Average Climate**

Declared load profile	XL
Efficiency η_{DHW}	95 %
COP	2.21
Heating up time	00:58 h:min
Standby power input	110.0 W
Reference hot water temperature	43.9 °C
Mixed water at 40°C	221 l

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	12.00 kW
El input	2.44 kW	3.87 kW
COP	4.95	3.10

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	4.22 kW	3.00 kW
Cooling capacity	11.60	12.00
EER	2.75	4.00

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_S	189 %	135 %
P _{rated}	12.00 kW	11.60 kW
SCOP	4.81	3.45
T _{biv}	-7 °C	-7 °C
T _{OL}	-10 °C	-10 °C
P _{dh T_j} = -7°C	10.61 kW	10.24 kW
COP T _j = -7°C	2.88	2.01
Cd _h T _j = -7 °C	0.900	0.900
P _{dh T_j} = +2°C	6.69 kW	6.52 kW
COP T _j = +2°C	4.65	3.44
Cd _h T _j = +2 °C	0.900	0.900
P _{dh T_j} = +7°C	4.44 kW	4.36 kW
COP T _j = +7°C	6.62	4.59
Cd _h T _j = +7 °C	0.900	0.900
P _{dh T_j} = 12°C	3.74 kW	3.29 kW
COP T _j = 12°C	8.47	6.05
Cd _h T _j = +12 °C	0.900	0.900
P _{dh T_j} = T _{biv}	10.61 kW	10.27 kW
COP T _j = T _{biv}	2.88	2.01
P _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	10.74 kW	9.10 kW
COP T _j = T _{OL} or COP T _j = T _{designh} if T _{OL} < T _{designh}	2.77	1.79
Cd _h T _j = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	0.900	0.900
WT _{OL}	65 °C	65 °C
P _{off}	20 W	20 W
PTO	30 W	30 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.26 kW	2.50 kW
Annual energy consumption Q _{he}	5153 kWh	6928 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
P _{designc}	11.30 kW	11.80 kW
SEER	4.86	7.04
P _{dc T_j} = 35°C	11.31 kW	11.77 kW
EER T _j = 35°C	2.61	3.87

Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	8.76 kW	9.21 kW
EER Tj = 30°C	3.93	5.50
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	5.81 kW	5.74 kW
EER Tj = 25°C	5.73	8.66
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	2.63 kW	3.33 kW
EER Tj = 20°C	6.75	10.07
Cdc Tj = 20 °C	0.900	0.900
Poff	20 W	20 W
PTO	30 W	30 W
PSB	20 W	20 W
PCK	0 W	0 W
Annual energy consumption Qce	1395 kWh	1006 kWh

Model SHERPA TOWER S3 E 14T

Model name	SHERPA TOWER S3 E 14T
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a
Phase-out Date	20.06.2027

General data

Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water**EN 16147 | Average Climate**

Declared load profile	XL
Efficiency η_{DHW}	95 %
COP	2.21
Heating up time	00:58 h:min
Standby power input	110.0 W
Reference hot water temperature	43.9 °C
Mixed water at 40°C	221 l

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	14.50 kW	13.80 kW
El input	3.09 kW	4.60 kW
COP	4.70	3.00

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	4.98 kW	3.50 kW
Cooling capacity	12.70	13.00
EER	2.55	3.70

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_S	185 %	135 %
P _{rated}	13.70 kW	12.10 kW
SCOP	4.72	3.47
T _{biv}	-7 °C	-7 °C
T _{OL}	-10 °C	-10 °C
P _{dh T_j} = -7°C	12.14 kW	10.68 kW
COP T _j = -7°C	2.79	2.01
C _{dh T_j} = -7 °C	0.900	0.900
P _{dh T_j} = +2°C	7.94 kW	6.86 kW
COP T _j = +2°C	4.52	3.43
C _{dh T_j} = +2 °C	0.900	0.900
P _{dh T_j} = +7°C	5.20 kW	4.63 kW
COP T _j = +7°C	6.68	4.66
C _{dh T_j} = +7 °C	0.900	0.900
P _{dh T_j} = 12°C	3.75 kW	3.31 kW
COP T _j = 12°C	8.52	6.13
C _{dh T_j} = +12 °C	0.900	0.900
P _{dh T_j} = T _{biv}	12.14 kW	10.68 kW
COP T _j = T _{biv}	2.79	2.01
P _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	11.47 kW	9.19 kW
COP T _j = T _{OL} or COP T _j = T _{designh} if T _{OL} < T _{designh}	2.59	1.76
C _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	0.900	0.900
WT _{OL}	65 °C	65 °C
P _{off}	20 W	20 W
PTO	30 W	30 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.23 kW	2.91 kW
Annual energy consumption Q _{he}	6013 kWh	7203 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
P _{designc}	12.20 kW	13.30 kW
SEER	4.83	6.85
P _{dc T_j} = 35°C	12.19 kW	13.30 kW
EER T _j = 35°C	2.46	3.47

Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	9.41 kW	10.20 kW
EER Tj = 30°C	3.85	5.26
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	6.16 kW	6.57 kW
EER Tj = 25°C	5.80	8.45
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	2.63 kW	3.33 kW
EER Tj = 20°C	6.74	10.07
Cdc Tj = 20 °C	0.900	0.900
Poff	20 W	20 W
PTO	30 W	30 W
PSB	20 W	20 W
PCK	0 W	0 W
Annual energy consumption Qce	1515 kWh	1165 kWh

Model SHERPA TOWER S3 E 16T

Model name	SHERPA TOWER S3 E 16T
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a
Phase-out Date	20.06.2027

General data

Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water**EN 16147 | Average Climate**

Declared load profile	XL
Efficiency η_{DHW}	95 %
COP	2.21
Heating up time	00:58 h:min
Standby power input	110.0 W
Reference hot water temperature	43.9 °C
Mixed water at 40°C	221 l

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	16.00 kW	16.00 kW
El input	3.56 kW	5.52 kW
COP	4.50	2.90

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	5.71 kW	3.74 kW
Cooling capacity	14.00	13.50
EER	2.45	3.61

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_S	181 %	133 %
P _{rated}	15.20 kW	13.00 kW
SCOP	4.62	3.41
T _{biv}	-7 °C	-7 °C
T _{OL}	-10 °C	-10 °C
P _{dh T_j} = -7°C	13.45 kW	11.52 kW
COP T _j = -7°C	2.72	1.99
C _{dh T_j} = -7 °C	0.900	0.900
P _{dh T_j} = +2°C	8.56 kW	7.18 kW
COP T _j = +2°C	4.41	3.34
C _{dh T_j} = +2 °C	0.900	0.900
P _{dh T_j} = +7°C	5.70 kW	4.67 kW
COP T _j = +7°C	6.56	4.61
C _{dh T_j} = +7 °C	0.900	0.900
P _{dh T_j} = 12°C	3.78 kW	3.32 kW
COP T _j = 12°C	8.51	6.07
C _{dh T_j} = +12 °C	0.900	0.900
P _{dh T_j} = T _{biv}	13.45 kW	11.52 kW
COP T _j = T _{biv}	2.72	1.99
P _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	12.52 kW	10.33 kW
COP T _j = T _{OL} or COP T _j = T _{designh} if T _{OL} < T _{designh}	2.48	1.80
C _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	0.900	0.900
WT _{OL}	65 °C	65 °C
P _{off}	20 W	20 W
PTO	30 W	30 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.68 kW	2.67 kW
Annual energy consumption Q _{he}	6805 kWh	7896 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
P _{designc}	14.30 kW	15.40 kW
SEER	4.67	6.71
P _{dc T_j} = 35°C	14.31 kW	15.40 kW
EER T _j = 35°C	2.47	3.50

Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	10.68 kW	11.42 kW
EER Tj = 30°C	3.63	5.14
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	6.76 kW	7.27 kW
EER Tj = 25°C	5.27	7.83
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	3.41 kW	3.40 kW
EER Tj = 20°C	7.29	10.35
Cdc Tj = 20 °C	0.900	0.900
Poff	20 W	20 W
PTO	10 W	10 W
PSB	20 W	20 W
PCK	0 W	0 W
Annual energy consumption Qce	1838 kWh	1377 kWh