Login

Summary of	Sphera EVO 2.0 Tower 250L 6.1, 7.1, 8.1	Reg. No.	ICIM-PDC-000170
Certificate Holder			
Name	Clivet s.p.a.		
Address	Via camp lonc 25 c.ap.	Zip	I-32032
City	z.i. Villapaiera - Feltre (BL)	Country	Italy
Certification Body	ICIM S.p.A.		
Subtype title	Sphera EVO 2.0 Tower 250L 6.1, 7.1, 8.1		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.84 kg		
Certification Date	10.06.2022		
Testing basis	HP KEYMARK certification scheme rules rev. n. 9		

Model: SQKN-YEE 1 TC B 250 + MiSAN-YEE 1 S 6.1

Configure model	
Model name	SQKN-YEE 1 TC B 250 + MiSAN-YEE 1 S 6.1
Application	Heating + DHW + low 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	12.13 kW	12.07 kW
El input	2.42 kW	3.89 kW
COP	5.00	3.10

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	dB(A)	41 dB(A)
Sound power level outdoor	dB(A)	63 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	197 %	140 %
Prated	12.08 kW	11.70 kW
SCOP	5.00	3.56
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.69 kW	10.35 kW
COP Tj = -7°C	3.07	2.05
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.57 kW	6.62 kW
COP Tj = +2°C	4.68	3.51
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.48 kW	4.45 kW
COP Tj = +7°C	6.90	4.77
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.67 kW	3.04 kW
COP Tj = 12°C	9.96	6.43
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	10.69 kW	10.35 kW
COP Tj = Tbiv	3.07	2.05

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	9.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.79	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	1.13 kW	2.11 kW
Annual energy consumption Qhe	4994 kWh	6793 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	XL
Efficiency ηDHW	123 %
COP	2.90
Heating up time	01:47 h:min
Standby power input	54.0 W
Reference hot water temperature	50.0 °C
Mixed water at 40°C	265 l

Model: SQKN-YEE 1 TC B 250 + MiSAN-YEE 1 S 7.1

Configure model	
Model name	SQKN-YEE 1 TC B 250 + MiSAN-YEE 1 S 7.1
Application	Heating + DHW + low 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	14.51 kW	13.85 kW
El input	3.09 kW	4.53 kW
COP	4.70	3.05

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	dB(A)	41 dB(A)
Sound power level outdoor	dB(A)	64 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	193 %	138 %
Prated	13.94 kW	12.57 kW
SCOP	4.91	3.52
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.33 kW	11.12 kW
COP Tj = -7°C	2.87	2.06
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.97 kW	6.82 kW
COP Tj = +2°C	4.62	3.41
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.21 kW	4.73 kW
COP Tj = +7°C	7.07	4.85
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.67 kW	3.03 kW
COP Tj = 12°C	9.95	6.43
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.33 kW	11.12 kW
COP Tj = Tbiv	2.87	2.06

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.90 kW	9.88 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.86
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	2.04 kW	2.69 kW
Annual energy consumption Qhe	5868 kWh	7380 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	XL
Efficiency ηDHW	123 %
COP	2.90
Heating up time	01:47 h:min
Standby power input	54.0 W
Reference hot water temperature	50.0 °C
Mixed water at 40°C	265 l

Model: SQKN-YEE 1 TC B 250 + MiSAN-YEE 1 S 8.1

Configure model	
Model name	SQKN-YEE 1 TC B 250 + MiSAN-YEE 1 S 8.1
Application	Heating + DHW + low 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	16.01 kW	16.00 kW
El input	3.52 kW	5.52 kW
COP	4.55	2.90

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	dB(A)	41 dB(A)
Sound power level outdoor	dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	193 %	136 %
Prated	15.62 kW	13.33 kW
SCOP	4.89	3.48
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	13.82 kW	11.79 kW
COP Tj = -7°C	2.86	2.04
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	8.55 kW	7.04 kW
COP Tj = +2°C	4.59	3.34
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.88 kW	4.72 kW
COP Tj = +7°C	7.13	4.85
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.67 kW	3.03 kW
COP Tj = 12°C	9.95	6.43
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	13.82 kW	11.79 kW
COP Tj = Tbiv	2.86	2.04

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.64 kW	10.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	2.98 kW	2.66 kW
Annual energy consumption Qhe	6602 kWh	7915 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	XL
Efficiency ηDHW	123 %
COP	2.90
Heating up time	01:47 h:min
Standby power input	54.0 W
Reference hot water temperature	50.0 °C
Mixed water at 40°C	265 l