

#### Page 1 of 10

#### This information was generated by the HP KEYMARK database on 15 Apr 2022

#### <u>Login</u>

Summary of	Sphera EVO 2.0 Box 6.1, 7.1, 8.1	Reg. No.	ICIM-PDC-000157		
Certificate Holder	Certificate Holder				
Name	Clivet s.p.a.	Clivet s.p.a.			
Address	Via camp lonc 25 c.ap.	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 Box 6.1, 7.1, 8.1				
Heat Pump Type	Outdoor Air/Water				
Refrigerant	R32				
Mass of Refrigerant	1.84 kg				
Certification Date	15.04.2022				
Testing basis	HP KEYMARK certification scheme rules rev. n. 9				

# Model: SQKN-YEE 1 BC B + MiSAN-YEE 1 S 6.1

Configure model		
Model name SQKN-YEE 1 BC B + MiSAN-YEE 1 S 6.1		
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	

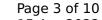
# Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	12.13 kW	12.07 kW	
El input	2.42 kW	3.89 kW	
СОР	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
197 %	140 %
12.08 kW	11.70 kW
5.00	3.56
-7 °C	-7 °C
-10 °C	-10 °C
10.69 kW	10.35 kW
3.07	2.05
0.900	0.900
6.57 kW	6.62 kW
4.68	3.51
0.900	0.900
4.48 kW	4.45 kW
6.90	4.77
0.900	0.900
3.67 kW	3.04 kW
9.96	6.43
0.900	0.900
10.69 kW	10.35 kW
3.07	2.05
10.95 kW	9.59 kW
	197 %  12.08 kW  5.00  -7 °C  -10 °C  10.69 kW  3.07  0.900  6.57 kW  4.68  0.900  4.48 kW  6.90  0.900  3.67 kW  9.96  0.900  10.69 kW  3.07



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
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o 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

# Model: SQKN-YEE 1 BC B + MiSAN-YEE 1 S 7.1

Configure model		
Model name SQKN-YEE 1 BC B + MiSAN-YEE 1 S 7.1		
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	14.51 kW	13.85 kW	
El input	3.09 kW	4.53 kW	
СОР	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
$\eta_{S}$	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
$COP Tj = -7^{\circ}C$	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
$COP Tj = +7^{\circ}C$	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

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# $$\operatorname{\textit{Page}}\ 7$$ of 10 This information was generated by the HP KEYMARK database on 15 Apr 2022

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
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o 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

# Model: SQKN-YEE 1 BC B + MiSAN-YEE 1 S 8.1

Configure model		
Model name	SQKN-YEE 1 BC B + MiSAN-YEE 1 S 8.1	
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	

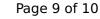
# Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	16.01 kW	16.00 kW	
El input	3.52 kW	5.52 kW	
СОР	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





3	Low temperature	Medium temperature
$\eta_{s}$	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 = $+7^{\circ}$ C	5.88 kW	4.72 kW
$COP Tj = +7^{\circ}C$	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
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# $$\operatorname{\textit{Page}}\ 10$$ of 10 This information was generated by the HP KEYMARK database on 15 Apr 2022

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