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Summary of	Sphera EVO 2.0 Invisible 2.1, 3.1 Reg. No. ICIM-PDC-000158		ICIM-PDC-000158
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.	ICIM S.p.A.	
Subtype title	Sphera EVO 2.0 Invisible 2.1, 3.1		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.5 kg		
Certification Date	15.04.2022	15.04.2022	
Testing basis	HP KEYMARK certification scheme rules rev. n. 9		

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Model: SQKN-YEE 1 IC A + MiSAN-YEE 1 S 2.1

Configure model		
Model name	SQKN-YEE 1 IC A + MiSAN-YEE 1 S 2.1	
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		

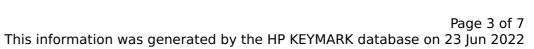
Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	4.32 kW	4.08 kW
El input	0.80 kW	1.36 kW
СОР	5.42	3.00

Average Climate

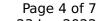
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	dB(A)	41 dB(A)
Sound power level outdoor	dB(A)	55 dB(A)

EN 14825





	Low temperature	Medium temperature
η_{s}	202 %	130 %
Prated	5.36 kW	4.08 kW
SCOP	5.13	3.32
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7° C	4.74 kW	3.61 kW
$COPTj = -7^{\circ}C$	3.15	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = $+2$ °C	3.05 kW	2.16 kW
$COPTj = +2^{\circ}C$	4.96	3.21
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = $+7^{\circ}$ C	1.99 kW	1.54 kW
$COPTj = +7^{\circ}C$	6.81	4.43
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.45 kW	1.29 kW
COP Tj = 12°C	8.94	6.20
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	4.74 kW	3.61 kW
COP Tj = Tbiv	3.15	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.21 kW	3.91 kW





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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
РСК	0 W	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.15 kW	0.17 kW

2161 kWh

2542 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	115 %
СОР	2.65
Heating up time	02:15 h:min
Standby power input	45.0 W
Reference hot water temperature	50.0 °C
Mixed water at 40°C	186

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Model: SQKN-YEE 1 IC A + MiSAN-YEE 1 S 3.1

Configure model		
Model name	SQKN-YEE 1 IC A + MiSAN-YEE 1 S 3.1	
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	6.18 kW	5.94 kW
El input	1.19 kW	1.93 kW
СОР	5.21	3.07

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	dB(A)	41 dB(A)
Sound power level outdoor	dB(A)	57 dB(A)

EN 14825





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	Low temperature	Medium temperature
η_{s}	203 %	139 %
Prated	6.23 kW	5.62 kW
SCOP	5.15	3.54
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.51 kW	4.97 kW
COP Tj = -7°C	3.13	2.12
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.30 kW	3.02 kW
$COP Tj = +2^{\circ}C$	4.91	3.41
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.24 kW	2.00 kW
COP Tj = +7°C	7.11	4.82
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.45 kW	1.30 kW
COP Tj = 12°C	8.94	6.32
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.51 kW	4.97 kW
COP Tj = Tbiv	3.13	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.80 kW	5.27 kW

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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.70 1.64 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 0.900 0.900 65°C WTOL 65 °C 15 W Poff 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 0.43 kW 0.35 kW

2502 kWh

3283 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.65	
Heating up time	02:15 h:min	
Standby power input	45.0 W	
Reference hot water temperature	50.0 °C	
Mixed water at 40°C	186 I	