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Login

Summary of	Sphera EVO 2.0 Invisible 4.1, 5.1	Reg. No.	ICIM-PDC-000159	
Certificate Holder	Certificate Holder			
Name	Clivet s.p.a.	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 Invisible 4.1, 5.1			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass of Refrigerant	1.65 kg			
Certification Date	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 4.1

Configure model		
Model name	SQKN-YEE 1 IC A + MiSAN-YEE 1 S 4.1	
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	8.30 kW	7.50 kW	
El input	1.56 kW	2.35 kW	
СОР	5.31	3.19	

Average Climate

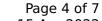
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	dB(A)	41 dB(A)
Sound power level outdoor	dB(A)	58 dB(A)

EN 14825



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	Low temperature	Medium temperature
η_{s}	210 %	146 %
Prated	8.08 kW	6.88 kW
SCOP	5.32	3.72
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7° C	7.15 kW	6.09 kW
$COPTj = -7^{\circ}C$	3.30	2.27
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = $+2$ °C	4.65 kW	3.94 kW
$COPTj = +2^{\circ}C$	5.17	3.56
Cdh Tj = $+2$ °C	0.900	0.900
Pdh Tj = $+7^{\circ}$ C	2.91 kW	2.52 kW
$COP Tj = +7^{\circ}C$	7.08	4.70
Cdh Tj = $+7$ °C	0.900	0.900
Pdh Tj = 12°C	1.85 kW	1.72 kW
COP Tj = 12°C	9.46	9.71
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.15 kW	6.09 kW
COP Tj = Tbiv	3.30	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.42 kW	4.97 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.06	1.88
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.06	1.88
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	1.66 kW	1.91 kW
Annual energy consumption Qhe	3141 kWh	3824 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	115 %
СОР	2.60
Heating up time	01:50 h:min
Standby power input	54.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	188 I

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Model: SQKN-YEE 1 IC A + MiSAN-YEE 1 S 5.1

Configure model		
Model name	SQKN-YEE 1 IC A + MiSAN-YEE 1 S 5.1	
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	10.30 kW	9.60 kW
El input	2.01 kW	3.10 kW
СОР	5.01	3.10

Average Climate

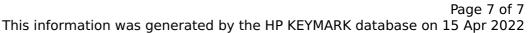
EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	dB(A)	41 dB(A)		
Sound power level outdoor	dB(A)	60 dB(A)		

EN 14825





	Low temperature	Medium temperature
η_{s}	208 %	146 %
Prated	9.55 kW	8.57 kW
SCOP	5.27	3.73
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7° C	8.45 kW	7.58 kW
COP Tj = -7° C	3.18	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = $+2$ °C	5.23 kW	4.44 kW
COP Tj = +2°C	5.03	3.63
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.47 kW	2.92 kW
$COP Tj = +7^{\circ}C$	7.33	4.95
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.96 kW	1.74 kW
COP Tj = 12°C	9.94	9.87
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.45 kW	7.58 kW
COP Tj = Tbiv	3.18	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.38 kW	5.46 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.97	1.87
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

2.17 kW

3747 kWh

3.11 kW

4749 kWh

Domestic Hot Water (DHW)

Average Climate

Supplementary Heater: PSUP

Annual energy consumption Qhe

EN 16147				
Declared load profile	L			
Efficiency ηDHW	115 %			
СОР	2.60			
Heating up time	01:50 h:min			
Standby power input	54.0 W			
Reference hot water temperature	49.0 °C			
Mixed water at 40°C	188			