

Summary of	Sphera Evo Box 4.1, 5.1	Reg. No.	ICIM-PDC-000095-00		
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.	ICIM S.p.A.			
Subtype title	Sphera Evo Box 4.1, 5.1	Sphera Evo Box 4.1, 5.1			
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water			
Refrigerant	R32	R32			
Mass Of Refrigerant	1.65 kg	1.65 kg			
Certification Date	23.12.2020	23.12.2020			
Testing basis	HP KEYMARK certification schem	HP KEYMARK certification scheme rules rev. 8			



Model: Sphera Evo Box 4.1

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.47 kW	7.40 kW
El input	1.78 kW	2.51 kW
СОР	4.76	2.95
Indoor water flow rate	1.47 m³/h	0.81 m³/h

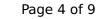
Average Climate



 $$\operatorname{\textit{Page}}\ 3$$ of 9 This information was generated by the HP KEYMARK database on 24 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	188 %	128 %
Prated	8.88 kW	7.92 kW
SCOP	4.78	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.85 kW	7.01 kW
COP Tj = -7°C	2.96	2.02
Cdh	0.90	0.90
Pdh Tj = $+2$ °C	4.78 kW	4.27 kW
COP Tj = +2°C	4.55	3.19
Cdh	0.90	0.90
Pdh Tj = +7°C	3.07 kW	2.74 kW
COP Tj = +7°C	6.58	4.41
Cdh	0.90	0.90





This information was genera	ted by the HP KEYMAR	KK database on 24 Dec 202
Pdh Tj = 12°C	1.37 kW	1.22 kW
COP Tj = 12°C	8.66	5.11
Cdh	0.90	0.90
Pdh Tj = Tbiv	7.85 kW	7.01 kW
COP Tj = Tbiv	2.96	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.88 kW	7.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.65
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	29 W	29 W
PSB	14 W	14 W
PCK	o w	o w
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Warmer Climate

Annual energy consumption Qhe

EN 12102-1	
	Low temperature
Sound power level indoor	43 dB(A)
Sound power level outdoor	63 dB(A)

3837 kWh

4988 kWh

Colder Climate



EN 12102-1	
	Low temperature
Sound power level indoor	43 dB(A)
Sound power level outdoor	63 dB(A)



Model: Sphera Evo Box 5.1

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	10.00 kW	9.30 kW
El input	2.15 kW	3.25 kW
СОР	4.65	2.86
Indoor water flow rate	1.72 m³/h	1.60 m³/h

Average Climate



 $$\operatorname{\textit{Page}}\ 7$$ of 9 This information was generated by the HP KEYMARK database on 24 Dec 2020

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Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825		
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Cdh	0.90	0.90
Pdh Tj = +7°C	3.07 kW	2.74 kW
COP Tj = +7°C	6.58	4.41
Cdh	0.90	0.90





This information was generated by the HP KEYMARK database on 24 Dec 2020			
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PSB	14 W	14 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3837 kWh	4988 kWh

Warmer Climate

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Colder Climate



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