

This information was generated by the HP KEYMARK database on 24 Dec 2020

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

Model: Sphera Evo Box 4.1

General Data

Power supply	1x230V 50Hz
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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
COP	4.76	2.95
Indoor water flow rate	1.47 m ³ /h	0.81 m ³ /h

Average Climate

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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

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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
PTO	29 W	29 W
PSB	14 W	14 W
PCK	0 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

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

Colder Climate

EHPA Secretariat | Rue d'Arlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com

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The authoritative source of this information is the heat pump certificate as executed by the certification body and the related technical data.

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General Data

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EN 14511-4

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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
COP	4.65	2.86
Indoor water flow rate	1.72 m ³ /h	1.60 m ³ /h

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