

Summary of	EDGE EVO 21 31 41	Reg. No.	ICIM-PDC-000044-00	
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.	ICIM S.p.A.		
Name of testing laboratory	ReLab Politecnico Milano	ReLab Politecnico Milano		
Subtype title	EDGE EVO 21 31 41	EDGE EVO 21 31 41		
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R32	R32		
Mass Of Refrigerant	2 kg	2 kg		
Certification Date	07.11.2019	07.11.2019		
Testing basis	HP KEYMARK certification sche	HP KEYMARK certification scheme rules rev. no. 7		



# Model: ELFOEnergy Edge EVO 21 (230V/1Ph/50Hz)

General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.65 kW	4.65 kW
El input	0.93 kW	1.77 kW
СОР	5.00	2.63
Indoor water flow rate	0.80 m³/h	0.50 m³/h

### **Average Climate**

#### EN 14825





	Low temperature	Medium temperature
$\eta_{s}$	176 %	127 %
Prated	7.00 kW	7.00 kW
SCOP	4.47	3.24
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.88 kW	5.83 kW
COP Tj = -7°C	2.91	1.97
Cdh	0.90	0.90
Pdh Tj = +2°C	3.64 kW	3.68 kW
COP Tj = +2°C	4.38	3.22
Cdh	0.90	0.90
Pdh Tj = +7°C	2.42 kW	2.47 kW
COP Tj = +7°C	5.89	4.21
Cdh	0.90	0.90
Pdh Tj = 12°C	1.03 kW	1.26 kW
COP Tj = 12°C	5.89	4.91
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.88 kW	5.83 kW
COP Tj = Tbiv	2.91	1.97
Pdh Tj = TOL	6.62 kW	5.86 kW

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# $$\operatorname{\textit{Page}}\xspace$ 4 of 10 This information was generated by the HP KEYMARK database on 17 Dec 2020

COP Tj = TOL	2.63	1.62
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	9 W	9 W
РТО	9 W	9 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.70 kW
Annual energy consumption Qhe	3071 kWh	4203 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	dB(A)	dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)



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# Model: ELFOEnergy Edge EVO 31 (230V/1Ph/50Hz)

General Data		
Power supply	1x230V 50Hz	

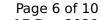
## Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.65 kW	6.80 kW
El input	1.35 kW	2.42 kW
СОР	4.94	2.81
Indoor water flow rate	1.14 m³/h	0.73 m³/h

#### **Average Climate**

#### EN 14825





	Low temperature	Medium temperature
$\eta_{s}$	176 %	127 %
Prated	7.00 kW	7.00 kW
SCOP	4.47	3.24
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.88 kW	5.83 kW
COP Tj = -7°C	2.91	1.97
Cdh	0.90	0.90
Pdh Tj = +2°C	3.64 kW	3.68 kW
COP Tj = +2°C	4.38	3.22
Cdh	0.90	0.90
Pdh Tj = +7°C	2.42 kW	2.47 kW
COP Tj = +7°C	5.89	4.21
Cdh	0.90	0.90
Pdh Tj = 12°C	1.03 kW	1.26 kW
COP Tj = 12°C	5.89	4.91
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.88 kW	5.83 kW
COP Tj = Tbiv	2.91	1.97
Pdh Tj = TOL	6.62 kW	5.86 kW

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# $$\operatorname{\textit{Page}}\ 7$$ of 10 This information was generated by the HP KEYMARK database on 17 Dec 2020

COP Tj = TOL	2.63	1.62
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	9 W	9 W
РТО	6 W	6 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	0.00 kW	0.70 kW
Annual energy consumption Qhe	3701 kWh	4203 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	dB(A)	dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)



# Model: ELFOEnergy Edge EVO 41 (230V/1Ph/50Hz)

General Data	
Power supply 1x230V 50Hz	

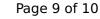
## Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.60 kW	8.60 kW
El input	1.87 kW	3.12 kW
СОР	4.60	2.75
Indoor water flow rate	1.48 m³/h	0.92 m³/h

### **Average Climate**

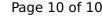
#### EN 14825





	Low temperature	Medium temperature
$\eta_{s}$	177 %	126 %
Prated	8.00 kW	7.00 kW
SCOP	4.51	3.22
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.42 kW	6.58 kW
COP Tj = -7°C	2.80	1.87
Cdh	0.90	0.90
Pdh Tj = +2°C	4.83 kW	4.25 kW
COP Tj = +2°C	4.33	3.19
Cdh	0.90	0.90
Pdh Tj = +7°C	3.20 kW	2.80 kW
COP Tj = +7°C	6.20	4.38
Cdh	0.90	0.90
Pdh Tj = 12°C	1.55 kW	1.27 kW
COP Tj = 12°C	7.61	5.04
Cdh	0.90	0.90
Pdh Tj = Tbiv	7.42 kW	6.58 kW
COP Tj = Tbiv	2.80	1.87
Pdh Tj = TOL	6.64 kW	5.53 kW

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 $$\operatorname{\textit{Page}}\ 10$$  of 10 This information was generated by the HP KEYMARK database on 17 Dec 2020

COP Tj = TOL	2.54	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	9 W	9 W
РТО	10 W	10 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	1.80 kW	1.80 kW
Annual energy consumption Qhe	3844 kWh	4770 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	dB(A)	dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)