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Login

Summary of	EDGE EVO 61 71 81 1Ph	Reg. No.	ICIM-PDC-000045-00		
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	EDGE EVO 61 71 81 1Ph	EDGE EVO 61 71 81 1Ph			
Heat Pump Type	Outdoor Air/Water				
Refrigerant	R32				
Mass of Refrigerant	2.8 kg	2.8 kg			
Certification Date	07.11.2019	07.11.2019			
Testing basis	HP KEYMARK certification scheme rules rev. no. 7				



Model: ELFOEnergy Edge EVO 61 (230V/1Ph/50Hz)

Configure model		
Model name ELFOEnergy Edge EVO 61 (230V/1Ph/50Hz)		
Application Heating (medium temp)		
Units Outdoor		
Climate Zone n/a		
Reversibility No		
Cooling mode application (optional) n/a		

General Data		
Power supply 1x230V 50Hz		

Heating

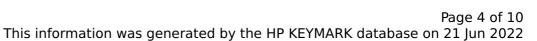
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
Low temperature Medium temperature		
Heat output	12.30 kW	11.90 kW
El input	2.56 kW	4.28 kW
СОР	4.81	2.78

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	dB(A)	dB(A)
Sound power level outdoor 68 dB(A) 68 dB(A)		

EN 14825		
	Low temperature	Medium temperature
η_s	169 %	126 %
Prated	12.00 kW	13.00 kW
SCOP	4.29	3.23
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.52 kW	11.29 kW
COP Tj = -7°C	2.88	2.05
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	6.50 kW	7.31 kW
COP Tj = +2°C	4.15	3.14
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = $+7$ °C	4.12 kW	4.96 kW
$COP Tj = +7^{\circ}C$	5.74	4.25





-	
0.90	0.90
2.23 kW	2.37 kW
5.40	4.94
0.90	0.90
10.52 kW	11.29 kW
2.88	2.05
12.01 kW	11.88 kW
2.60	1.79
0.90	0.90
60 °C	60 °C
9 W	9 W
15 W	15 W
9 W	9 W
0 W	0 W
Electricity	Electricity
0.00 kW	0.90 kW
5726 kWh	8164 kWh
	2.23 kW 5.40 0.90 10.52 kW 2.88 12.01 kW 2.60 0.90 60 °C 9 W 15 W 9 W 0 W Electricity 0.00 kW



Model: ELFOEnergy Edge EVO 71 (230V/1Ph/50Hz)

Configure model		
Model name ELFOEnergy Edge EVO 71 (230V/1Ph/50Hz)		
Application Heating (medium temp)		
Units Outdoor		
Climate Zone n/a		
Reversibility No		
Cooling mode application (optional) n/a		

General Data		
Power supply	1x230V 50Hz	

Heating

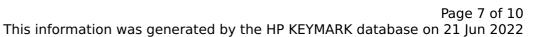
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
Low temperature Medium temperature		
Heat output	14.10 kW	14.20 kW
El input	3.07 kW	5.16 kW
СОР	4.60	2.75

Average Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	dB(A)	dB(A)	
Sound power level outdoor	71 dB(A)	71 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	168 %	128 %
Prated	14.00 kW	14.00 kW
SCOP	4.27	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.47 kW	12.18 kW
COP Tj = -7° C	2.84	2.05
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = $+2$ °C	7.48 kW	7.84 kW
COP Tj = +2°C	4.19	3.18
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	5.04 kW	5.21 kW
COP Tj = +7°C	5.99	4.29





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Cdh Tj = +7 °C	0.90	0.90	
Pdh Tj = 12°C	2.23 kW	2.57 kW	
COP Tj = 12°C	5.30	5.14	
Cdh Tj = +12 °C	0.90	0.90	
Pdh Tj = Tbiv	12.47 kW	12.18 kW	
COP Tj = Tbiv	2.84	2.05	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.72 kW	11.68 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.74	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90	
WTOL	60 °C	60 °C	
Poff	9 W	9 W	
РТО	26 W	26 W	
PSB	9 W	9 W	
РСК	o w	o w	
Supplementary Heater: Type of energy input	Electricity	Electricity	
Supplementary Heater: PSUP	1.40 kW	2.10 kW	
Annual energy consumption Qhe	6819 kWh	8724 kWh	



Model: ELFOEnergy Edge EVO 81 (230V/1Ph/50Hz)

Configure model		
Model name ELFOEnergy Edge EVO 81 (230V/1Ph/50Hz)		
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

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	16.30 kW	16.10 kW	
El input	3.66 kW	5.90 kW	
СОР	4.45	2.73	



Average Climate

This information was generated by the HP KEYMARK database on 21 Jun 2022

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	dB(A)	dB(A)	
Sound power level outdoor	71 dB(A)	71 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{S}	169 %	128 %
Prated	16.00 kW	15.00 kW
SCOP	4.30	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7° C	14.15 kW	12.90 kW
$COP Tj = -7^{\circ}C$	2.72	2.04
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = $+2$ °C	8.92 kW	8.25 kW
$COP Tj = +2^{\circ}C$	4.17	3.21
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	5.64 kW	5.45 kW
$COP Tj = +7^{\circ}C$	5.86	4.32



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Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.47 kW	2.57 kW
COP Tj = 12°C	6.28	5.12
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	14.15 kW	12.90 kW
COP Tj = Tbiv	2.72	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.93 kW	11.16 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	9 W	9 W
РТО	41 W	41 W
PSB	9 W	9 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.10 kW	3.40 kW
Annual energy consumption Qhe	7687 kWh	9216 kWh