

Summary of	EDGE EVO 61 71 81 3Ph	Reg. No.	ICIM-PDC-000046-00	
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 61 71 81 3Ph	EDGE EVO 61 71 81 3Ph		
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R32			
Mass Of Refrigerant	2.8 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 61 (400V/3Ph/50Hz)

General Data		
Power supply	3x400V 50Hz	

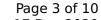
#### Heating

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	2.54 kW	4.23 kW	
СОР	4.84	2.81	
Indoor water flow rate	2.12 m³/h	1.28 m³/h	

### **Average Climate**

#### EN 14825





	Low temperature	Medium temperature
$\eta_{S}$	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
$COPTj = -7^{\circ}C$	2.88	2.05
Cdh	0.90	0.90
Pdh Tj = +2°C	6.50 kW	7.31 kW
COP Tj = +2°C	4.15	3.14
Cdh	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	4.12 kW	4.96 kW
$COPTj = +7^{\circ}C$	5.74	4.25
Cdh	0.90	0.90
Pdh Tj = 12°C	2.23 kW	2.37 kW
COP Tj = 12°C	5.40	4.94
Cdh	0.90	0.90
Pdh Tj = Tbiv	10.52 kW	11.29 kW
COP Tj = Tbiv	2.88	2.05
Pdh Tj = TOL	12.01 kW	11.88 kW

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COP Tj = TOL	2.60	1.79
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	9 W	9 W
РТО	15 W	15 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	0.90 kW
Annual energy consumption Qhe	5726 kWh	8164 kWh

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)	



# Model: ELFOEnergy Edge EVO 71 (400V/3Ph/50Hz)

General Data		
Power supply	3x400V 50Hz	

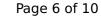
#### Heating

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	3.05 kW	5.09 kW
СОР	4.63	2.79
Indoor water flow rate	2.43 m³/h	1.53 m³/h

### **Average Climate**

#### EN 14825





	Low temperature	Medium temperature
$\eta_s$	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	0.90	0.90
Pdh Tj = +2°C	7.48 kW	7.84 kW
COP Tj = +2°C	4.19	3.18
Cdh	0.90	0.90
Pdh Tj = +7°C	5.04 kW	5.21 kW
COP Tj = +7°C	5.99	4.29
Cdh	0.90	0.90
Pdh Tj = 12°C	2.23 kW	2.57 kW
COP Tj = 12°C	5.30	5.14
Cdh	0.90	0.90
Pdh Tj = Tbiv	12.47 kW	12.18 kW
COP Tj = Tbiv	2.84	2.05
Pdh Tj = TOL	12.72 kW	11.68 kW

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COP Tj = TOL	2.51	1.74
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	9 W	9 W
РТО	26 W	26 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	1.40 kW	2.10 kW
Annual energy consumption Qhe	6819 kWh	8724 kWh

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)



# Model: ELFOEnergy Edge EVO 81 (400V/3Ph/50Hz)

General Data		
Power supply 3x400V 50Hz		

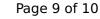
## Heating

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	3.63 kW	5.83 kW
СОР	4.49	2.76
Indoor water flow rate	2.80 m³/h	1.73 m³/h

### **Average Climate**

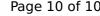
#### EN 14825





	Low temperature	Medium temperature
$\eta_{s}$	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°C	2.72	2.04
Cdh	0.90	0.90
Pdh Tj = +2°C	8.92 kW	8.25 kW
COP Tj = +2°C	4.17	3.21
Cdh	0.90	0.90
Pdh Tj = +7°C	5.64 kW	5.45 kW
COP Tj = +7°C	5.86	4.32
Cdh	0.90	0.90
Pdh Tj = 12°C	2.47 kW	2.57 kW
COP Tj = 12°C	6.28	5.12
Cdh	0.90	0.90
Pdh Tj = Tbiv	14.15 kW	12.90 kW
COP Tj = Tbiv	2.72	2.04
Pdh Tj = TOL	12.93 kW	11.16 kW

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COP Tj = TOL	2.41	1.65
Cdh	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	0 W	0 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	3.10 kW	3.40 kW
Annual energy consumption Qhe	7687 kWh	9216 kWh

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)