Login

| Summary of | EDGE EVO 61 71 81 3Ph | Reg. No. | ICIM-PDC-000046-00 |
|---|---|---|---|
| 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 | EDGE EVO 61 71 81 3Ph | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass of Refrigerant | 2.8 kg | | |
| Certification Date | 07.11.2019 | | |
| Testing basis | HP KEYMARK certification scheme rules rev. no. 7 | | |

# Model: ELFOEnergy Edge EVO 61 (400V/3Ph/50Hz)

| Configure model | |
|---|---|
| Model name | ELFOEnergy Edge EVO 61 (400V/3Ph/50Hz) |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| 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 |
| COP | 4.84 | 2.81 |

# 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 |
| 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°C | 5.74 | 4.25 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 2.23 kW | 2.37 kW |
| COP Tj = 12°C | 5.40 | 4.94 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 10.52 kW | 11.29 kW |

| | | |
|---|---|---|
| COP Tj = Tbiv | 2.88 | 2.05 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.01 kW | 11.88 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.60 | 1.79 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 9 W | 9 W |
| PTO | 15 W | 15 W |
| PSB | 9 W | 9 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| 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)

| Configure model | |
|---|---|
| Model name | ELFOEnergy Edge EVO 71 (400V/3Ph/50Hz) |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| 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 |
| COP | 4.63 | 2.79 |

# 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 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 |
| 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 |
| PTO | 26 W | 26 W |
| PSB | 9 W | 9 W |
| PCK | 0 W | 0 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 |

| **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)

| Configure model | |
|---|---|
| Model name | ELFOEnergy Edge EVO 81 (400V/3Ph/50Hz) |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| 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 |
| COP | 4.49 | 2.76 |

# 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 Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 8.92 kW | 8.25 kW |
| COP Tj = +2°C | 4.17 | 3.21 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 5.64 kW | 5.45 kW |
| COP Tj = +7°C | 5.86 | 4.32 |
| 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 |
| PTO | 41 W | 41 W |
| PSB | 9 W | 9 W |
| PCK | 0 W | 0 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 |

| **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) |