

This information was generated by the HP KEYMARK database on 22 Jun 2022

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| | | | |
|---------------------|--|----------|--------------------|
| Summary of | AEROTOP L 054 061 | Reg. No. | ICIM-PDC-000098-00 |
| Certificate Holder | | | |
| Name | ELCO GmbH | | |
| Address | Hohenzollernstrasse 31 | Zip | 72379 |
| City | Hechingen | Country | Germany |
| Certification Body | ICIM S.p.A. | | |
| Subtype title | AEROTOP L 054 061 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass of Refrigerant | 15 kg | | |
| Certification Date | 30.03.2021 | | |
| Testing basis | HP KEYMARK certification scheme rules rev. 8 | | |

Model: AEROTOP L 054

| Configure model | |
|-------------------------------------|--------------------|
| Model name | AEROTOP L 054 |
| Application | Heating (low temp) |
| Units | Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

| General Data | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |

Heating

| EN 14511-2 | |
|-------------|-----------------|
| | Low temperature |
| Heat output | 54.00 kW |
| El input | 25.60 kW |
| COP | 4.07 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

Average Climate

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EN 12102-1

| | Low temperature |
|---------------------------|-----------------|
| Sound power level outdoor | 83 dB(A) |

EN 14825

| | Low temperature |
|----------------|-----------------|
| η_s | 154 % |
| Prated | 41.00 kW |
| SCOP | 3.93 |
| Tbiv | -7 °C |
| TOL | -10 °C |
| Pdh Tj = -7°C | 36.00 kW |
| COP Tj = -7°C | 2.76 |
| Cdh Tj = -7 °C | 0.90 |
| Pdh Tj = +2°C | 22.90 kW |
| COP Tj = +2°C | 3.96 |
| Cdh Tj = +2 °C | 0.90 |
| Pdh Tj = +7°C | 19.90 kW |
| COP Tj = +7°C | 4.83 |
| Cdh Tj = +7 °C | 0.89 |
| Pdh Tj = 12°C | 24.40 kW |

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| | |
|---|-------------|
| COP Tj = 12°C | 7.05 |
| Cdh Tj = +12 °C | 0.90 |
| Pdh Tj = Tbiv | 36.00 kW |
| COP Tj = Tbiv | 2.76 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 32.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.55 |
| WTOL | 55 °C |
| Poff | 97 W |
| PTO | 103 W |
| PSB | 97 W |
| PCK | 97 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.00 kW |
| Annual energy consumption Qhe | 0 kWh |

Model: AEROTOP L 061

| Configure model | |
|-------------------------------------|--------------------|
| Model name | AEROTOP L 061 |
| Application | Heating (low temp) |
| Units | Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

| General Data | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |

Heating

| EN 14511-2 | |
|-------------|-----------------|
| | Low temperature |
| Heat output | 61.00 kW |
| El input | 25.60 kW |
| COP | 4.00 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 12102-1

| | Low temperature |
|---------------------------|-----------------|
| Sound power level outdoor | 83 dB(A) |

EN 14825

| | Low temperature |
|----------------|-----------------|
| η_s | 153 % |
| Prated | 49.00 kW |
| SCOP | 3.91 |
| Tbiv | -7 °C |
| TOL | -10 °C |
| Pdh Tj = -7°C | 44.50 kW |
| COP Tj = -7°C | 2.79 |
| Cdh Tj = -7 °C | 0.90 |
| Pdh Tj = +2°C | 29.60 kW |
| COP Tj = +2°C | 4.05 |
| Cdh Tj = +2 °C | 0.90 |
| Pdh Tj = +7°C | 20.60 kW |
| COP Tj = +7°C | 4.25 |
| Cdh Tj = +7 °C | 0.90 |
| Pdh Tj = 12°C | 26.60 kW |

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| | |
|---|-------------|
| COP Tj = 12°C | 7.02 |
| Cdh Tj = +12 °C | 0.90 |
| Pdh Tj = Tbiv | 44.50 kW |
| COP Tj = Tbiv | 2.79 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 41.70 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.56 |
| WTOL | 55 °C |
| Poff | 97 W |
| PTO | 103 W |
| PSB | 97 W |
| PCK | 97 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.00 kW |
| Annual energy consumption Qhe | 0 kWh |