

This information was generated by the HP KEYMARK database on 18 Mar 2022

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| | | | |
|---------------------|---|----------|------------|
| Summary of | AEROTOP G14.2 INOX / INOX OPTIC | Reg. No. | 011-1W0316 |
| Certificate Holder | | | |
| Name | ELCO GmbH | | |
| Address | Hohenzollernstrasse 31 | Zip | 72379 |
| City | Hechingen | Country | Germany |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | |
| Subtype title | AEROTOP G14.2 INOX / INOX OPTIC | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410A | | |
| Mass of Refrigerant | 4.27 kg | | |
| Certification Date | 26.06.2019 | | |

Model: AEROTOP G14.2 INOX / INOX OPTIC

Configure model

| | |
|-------------------------------------|---------------------------------|
| Model name | AEROTOP G14.2 INOX / INOX OPTIC |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate Zone | Colder Climate + Warmer Climate |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 11.00 kW | 5.87 kW |
| El input | 2.17 kW | 1.81 kW |
| COP | 5.08 | 3.24 |

EN 14511-4

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

Average Climate

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EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 57 dB(A) | 57 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 197 % | 151 % |
| Prated | 12.50 kW | 12.43 kW |
| SCOP | 5.01 | 3.83 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 11.06 kW | 11.00 kW |
| COP Tj = -7°C | 3.32 | 2.61 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 6.73 kW | 6.90 kW |
| COP Tj = +2°C | 5.08 | 3.87 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 4.33 kW | 4.41 kW |
| COP Tj = +7°C | 6.42 | 4.74 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 4.53 kW | 4.45 kW |

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| | | |
|---|-------------|-------------|
| COP Tj = 12°C | 7.65 | 6.35 |
| Cdh Tj = +12 °C | 0.99 | 0.99 |
| Pdh Tj = Tbiv | 11.06 kW | 11.00 kW |
| COP Tj = Tbiv | 3.32 | 2.61 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.66 kW | 11.73 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.96 | 2.37 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| PTO | 24 W | 24 W |
| PSB | 24 W | 24 W |
| PCK | 24 W | 24 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.84 kW | 0.70 kW |
| Annual energy consumption Qhe | 5160 kWh | 6699 kWh |

Warmer Climate

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 220 % | 160 % |
| Prated | 8.25 kW | 8.16 kW |
| SCOP | 5.58 | 4.06 |

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| | | |
|---|-------------|-------------|
| Tbiv | 2 °C | 2 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = +2°C | 8.25 kW | 8.15 kW |
| COP Tj = +2°C | 4.51 | 2.87 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 5.30 kW | 5.25 kW |
| COP Tj = +7°C | 3.70 | 3.70 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 4.48 kW | 4.34 kW |
| COP Tj = 12°C | 7.22 | 5.57 |
| Cdh Tj = +12 °C | 0.99 | 0.99 |
| Pdh Tj = Tbiv | 8.25 kW | 8.16 kW |
| COP Tj = Tbiv | 4.51 | 2.87 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.25 kW | 8.15 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.51 | 2.87 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| PTO | 24 W | 24 W |
| PSB | 24 W | 24 W |
| PCK | 24 W | 24 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |

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| | | |
|---|----------|----------|
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q _{he} | 1970 kWh | 2683 kWh |

Colder Climate

| EN 14825 | | |
|--|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 153 % | 128 % |
| Prated | 18.50 kW | 18.32 kW |
| SCOP | 3.91 | 3.28 |
| T _{biv} | -22 °C | -22 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 11.20 kW | 11.09 kW |
| COP T _j = -7°C | 3.59 | 3.06 |
| C _{dh} T _j = -7 °C | 0.99 | 0.99 |
| P _{dh} T _j = +2°C | 6.82 kW | 6.86 kW |
| COP T _j = +2°C | 5.68 | 4.40 |
| C _{dh} T _j = +2 °C | 0.99 | 0.99 |
| P _{dh} T _j = +7°C | 4.38 kW | 4.38 kW |
| COP T _j = +7°C | 6.35 | 5.54 |
| C _{dh} T _j = +7 °C | 0.99 | 0.99 |
| P _{dh} T _j = 12°C | 4.37 kW | 4.47 kW |

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| | | |
|---|-------------|-------------|
| COP Tj = 12°C | 7.83 | 6.77 |
| Cdh Tj = +12 °C | 0.99 | 0.99 |
| Pdh Tj = Tbiv | 11.20 kW | 11.09 kW |
| COP Tj = Tbiv | 3.59 | 3.06 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.33 kW | 6.44 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.03 | 1.52 |
| WTOL | 45 °C | 45 °C |
| Poff | 24 W | 24 W |
| PTO | 24 W | 24 W |
| PSB | 24 W | 24 W |
| PCK | 24 W | 24 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 10.33 kW | 10.92 kW |
| Annual energy consumption Qhe | 11670 kWh | 13758 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 0.01 | 0.01 |
| COP Tj = -15°C (if TOL<-20°C) | 0.01 | 0.01 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |