

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

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| | | | |
|---------------------|---|----------|------------|
| Summary of | AEROTOP G08.2 | Reg. No. | 011-1W0388 |
| 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 G08.2 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410A | | |
| Mass of Refrigerant | 4.27 kg | | |
| Certification Date | 27.07.2020 | | |

Model: AEROTOP G08.2 INOX

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | AEROTOP G08.2 INOX |
| 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 | 8.05 kW | 5.33 kW |
| El input | 1.54 kW | 1.77 kW |
| COP | 5.23 | 3.00 |

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

Warmer Climate

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EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 200 % | 160 % |
| Prated | 5.12 kW | 4.98 kW |
| SCOP | 5.06 | 4.09 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 5.12 kW | 4.98 kW |
| COP Tj = +2°C | 4.41 | 2.65 |
| Cdh Tj = +2 °C | 0.98 | 0.98 |
| Pdh Tj = +7°C | 3.81 kW | 3.77 kW |
| COP Tj = +7°C | 5.65 | 4.60 |
| Cdh Tj = +7 °C | 0.96 | 0.96 |
| Pdh Tj = 12°C | 4.45 kW | 4.25 kW |
| COP Tj = 12°C | 7.47 | 5.71 |
| Cdh Tj = +12 °C | 0.96 | 0.96 |
| Pdh Tj = Tbiv | 5.12 kW | 4.98 kW |

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| | | |
|---|-------------|----------|
| COP $T_j = T_{biv}$ | 4.41 | 2.65 |
| $P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$ | 5.12 kW | 4.98 kW |
| COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$ | 4.41 | 2.65 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| PTO | 25 W | 25 W |
| PSB | 24 W | 24 W |
| PCK | 24 W | 24 W |
| Supplementary Heater: Type of energy input | Electricity | |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q_{he} | 1351 kWh | 1630 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 159 % | 126 % |
| Prated | 13.35 kW | 13.51 kW |

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| | | |
|---|---------|---------|
| SCOP | 4.06 | 3.22 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 8.08 kW | 8.18 kW |
| COP Tj = -7°C | 3.77 | 2.94 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 4.92 kW | 4.93 kW |
| COP Tj = +2°C | 5.72 | 4.30 |
| Cdh Tj = +2 °C | 0.98 | 0.98 |
| Pdh Tj = +7°C | 3.95 kW | 3.80 kW |
| COP Tj = +7°C | 7.10 | 5.47 |
| Cdh Tj = +7 °C | 0.96 | 0.96 |
| Pdh Tj = 12°C | 4.47 kW | 4.25 kW |
| COP Tj = 12°C | 8.25 | 7.10 |
| Cdh Tj = +12 °C | 0.96 | 0.96 |
| Pdh Tj = Tbiv | 8.08 kW | 8.18 kW |
| COP Tj = Tbiv | 3.77 | 2.94 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.47 kW | 6.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.03 | 1.58 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| | | |

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| | | |
|---|-------------|-------------|
| PTO | 25 W | 25 W |
| PSB | 24 W | 24 W |
| PCK | 24 W | 24 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 6.18 kW | 6.80 kW |
| Annual energy consumption Q _{he} | 8105 kWh | 10335 kWh |
| P _{dh} T _j = -15°C (if TOL<-20°C) | | |
| COP T _j = -15°C (if TOL<-20°C) | | |
| C _{dh} T _j = -15 °C | | |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

| EN 14825 | | |
|------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 193 % | 143 % |
| Prated | 9.19 kW | 9.20 kW |
| SCOP | 4.90 | 3.67 |
| T _{biv} | -7 °C | -7 °C |

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| | | |
|---|---------|---------|
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.13 kW | 8.14 kW |
| COP Tj = -7°C | 3.47 | 2.47 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 5.08 kW | 4.98 kW |
| COP Tj = +2°C | 5.12 | 3.66 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 3.72 kW | 3.75 kW |
| COP Tj = +7°C | 6.21 | 4.87 |
| Cdh Tj = +7 °C | 0.97 | 0.97 |
| Pdh Tj = 12°C | 4.30 kW | 4.28 kW |
| COP Tj = 12°C | 7.95 | 6.64 |
| Cdh Tj = +12 °C | 0.96 | 0.96 |
| Pdh Tj = Tbiv | 8.13 kW | 8.14 kW |
| COP Tj = Tbiv | 3.47 | 2.47 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.10 kW | 9.05 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.98 | 2.24 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| PTO | 25 W | 25 W |
| PSB | 24 W | 24 W |
| | | |

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| | | |
|--|-------------|-------------|
| PCK | 24 W | 24 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.09 kW | 0.15 kW |
| Annual energy consumption Q _{he} | 3877 kWh | 5179 kWh |

Model: AEROTOP G08.2 INOX OPTIC

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | AEROTOP G08.2 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 | 8.05 kW | 5.33 kW |
| El input | 1.54 kW | 1.77 kW |
| COP | 5.23 | 3.00 |

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| Shutting off the heat transfer medium flow | passed |
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Warmer Climate

EN 12102-1

| | Low temperature | Medium temperature |
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EN 14825

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