

This information was generated by the HP KEYMARK database on 21 Jun 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