

This information was generated by the HP KEYMARK database on 13 Apr 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

Average 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	193 %	143 %
Prated	9.19 kW	9.20 kW
SCOP	4.90	3.67
Tbiv	-7 °C	-7 °C
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

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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
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 Qhe	3877 kWh	5179 kWh

Warmer Climate

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

EN 14825		
	Low temperature	Medium temperature

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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
COP Tj = Tbiv	4.41	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.12 kW	4.98 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.41	2.65
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	
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
SCOP	4.06	3.22
T _{biv}	-7 °C	-7 °C
TOL	-20 °C	-20 °C
P _{dh} T _j = -7°C	8.08 kW	8.18 kW
COP T _j = -7°C	3.77	2.94

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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
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

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Annual energy consumption Q_{he}	8105 kWh	10335 kWh
$P_{dh} T_j = -15^{\circ}\text{C}$ (if $TOL < -20^{\circ}\text{C}$)		
$COP T_j = -15^{\circ}\text{C}$ (if $TOL < -20^{\circ}\text{C}$)		
$C_{dh} T_j = -15^{\circ}\text{C}$		

Model: AEROTOP G08.2 INOX OPTIC

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Units	Outdoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

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Heat output	8.05 kW	5.33 kW
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COP	5.23	3.00

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