

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			
Name of testing laboratory	Heat Pump Test Center WPZ			
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

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	
СОР	5.23	3.00	
Indoor water flow rate	1.40 m³/h	0.58 m³/h	

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



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	0.99	0.99
Pdh Tj = +2°C	5.08 kW	4.98 kW
COP Tj = +2°C	5.12	3.66
Cdh	0.99	0.99
Pdh Tj = +7°C	3.72 kW	3.75 kW
COP Tj = +7°C	6.21	4.87
Cdh	0.97	0.97
Pdh Tj = 12°C	4.30 kW	4.28 kW





I I I I I I I I I I I I I I I I I I I		
COP Tj = 12°C	7.95	6.64
Cdh	0.96	0.96
Cuii	0.90	0.90
Pdh Tj = Tbiv	8.13 kW	8.14 kW
COP Tj = Tbiv	3.47	2.47
Pdh Tj = TOL	9.10 kW	9.05 kW
1 411 1) = 102	3.10 KW	3.03 KW
COP Tj = TOL	2.98	2.24
WTOL	60 °C	60 °C
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	25 W	25 W
Dep.	2414	24.14
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
Annual chergy consumption one	JOT / KVVII	JI/J KWII

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	0.98	0.98
Pdh Tj = $+7$ °C	3.81 kW	3.77 kW
COP Tj = +7°C	5.65	4.60
Cdh	0.96	0.96
Pdh Tj = 12°C	4.45 kW	4.25 kW
COP Tj = 12°C	7.47	5.71
Cdh	0.96	0.96
Pdh Tj = Tbiv	5.12 kW	4.98 kW
COP Tj = Tbiv	4.41	2.65
Pdh Tj = TOL	5.12 kW	4.98 kW
COP Tj = TOL	4.41	2.65
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	25 W	25 W
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PSB	24 W	24 W
PCK	24 W	24 W
Supplementary Heater: Type of energy input	Electricity	Elctricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1351 kWh	1630 kWh

Colder Climate

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

	Low temperature	Medium temperature
η_{s}	159 %	126 %
Prated	13.35 kW	13.51 kW
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	0.99	0.99





4.92 kW 5.72 0.98 3.95 kW	4.93 kW 4.30 0.98 3.80 kW
0.98 3.95 kW	0.98
3.95 kW	
	3.80 kW
7.10	
	5.47
0.96	0.96
4.47 kW	4.25 kW
8.25	7.10
0.96	0.96
8.08 kW	8.18 kW
3.77	2.94
6.47 kW	6.00 kW
2.03	1.58
60 °C	60 °C
24 W	24 W
25 W	25 W
24 W	24 W
24 W	24 W
Electricity	Electricity
6.18 kW	6.80 kW
8105 kWh	10335 kWh
	4.47 kW 8.25 0.96 8.08 kW 3.77 6.47 kW 2.03 60 °C 24 W 25 W 24 W 24 W Electricity 6.18 kW



Page 8 of 15

Pdh Tj = -15 °C (if TOL< -20 °C)	
COP Tj = -15 °C (if TOL< -20 °C)	
Cdh	



Model: AEROTOP G08.2 INOX OPTIC

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Complete power supply failure	passed
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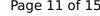
Average Climate



 $$\operatorname{\textit{Page}}\ 10$$ of 15 This information was generated by the HP KEYMARK database on 17 Dec 2020

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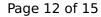
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РТО	25 W	25 W
PSB	24 W	24 W
PCK	24 W	24 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.09 kW	0.15 kW
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Warmer Climate

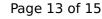
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50 °C	60 °C
24 W	24 W
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24 W	24 W
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Electricity	Electricity
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Page 15 of 15

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COP Tj = -15 °C (if TOL< -20 °C)	
Cdh	