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Login

Summary of	AEROTOP G08.2	Reg. No.	011-1W0388		
Certificate Holder	Certificate Holder				
Name	ELCO GmbH	ELCO GmbH			
Address	Hohenzollernstrasse 31	Zip	72379		
City	Hechingen	Country	Germany		
Certification Body	DIN CERTCO Gesellschaft für Ko	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH			
Subtype title	AEROTOP G08.2	AEROTOP G08.2			
Heat Pump Type	Outdoor Air/Water				
Refrigerant	R410A	R410A			
Mass of Refrigerant	4.27 kg	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	
СОР	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



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
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
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
$COPTj = +2^{\circ}C$	4.41	2.65
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = $+7^{\circ}$ C	3.81 kW	3.77 kW
$COP Tj = +7^{\circ}C$	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





РТО	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 Qhe	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
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





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Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.92 kW	4.93 kW
$COP Tj = +2^{\circ}C$	5.72	4.30
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = $+7$ °C	3.95 kW	3.80 kW
$COP Tj = +7^{\circ}C$	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
РТО	25 W	25 W
PSB	24 W	24 W
РСК	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 Qhe	8105 kWh	10335 kWh
Pdh Tj = -15°C (if TOL<-20°C)		
COP Tj = -15°C (if TOL $<$ -20°C)		
Cdh Tj = -15 °C		



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
СОР	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



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

EN 14825		
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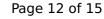
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.09 kW	0.15 kW
Annual energy consumption Qhe	3877 kWh	5179 kWh

Warmer Climate

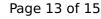
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EN 14825		
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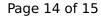
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