

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	AEROTOP S.12.2 / S12.2_2-part	Reg. No.	011-1W0194
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 S.12.2 / S12.2_2-part		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	4.4 kg		
Certification Date	17.12.2019		

## Model: AEROTOP S12.2

### General Data

Power supply	3x400V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	7.95 kW	7.37 kW
El input	1.64 kW	2.45 kW
COP	4.86	3.00
Indoor water flow rate	1.37 m <sup>3</sup> /h	1.27 m <sup>3</sup> /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

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### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	51 dB(A)	51 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	184 %	133 %
Prated	13.31 kW	12.62 kW
SCOP	4.76	3.47
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.77 kW	11.16 kW
COP Tj = -7°C	3.24	2.29
Cdh	0.99	0.99
Pdh Tj = +2°C	7.31 kW	6.97 kW
COP Tj = +2°C	4.52	3.27
Cdh	0.98	0.98
Pdh Tj = +7°C	4.69 kW	4.42 kW
COP Tj = +7°C	6.39	4.46
Cdh	0.97	0.97

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Pdh Tj = 12°C	4.72 kW	4.77 kW
COP Tj = 12°C	7.55	6.28
Cdh	0.96	0.96
Pdh Tj = Tbiv	11.77 kW	11.16 kW
COP Tj = Tbiv	3.24	2.29
Pdh Tj = TOL	13.25 kW	12.59 kW
COP Tj = TOL	2.84	2.13
WTOL	65 °C	65 °C
Poff	28 W	28 W
PTO	28 W	28 W
PSB	28 W	28 W
PCK	28 W	28 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.06 kW	0.03 kW
Annual energy consumption Qhe	5889 kWh	7658 kWh

## Model: AEROTOP S12.2\_2-part

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