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Login

Summary of	AEROTOP S07.2	Reg. No.	011-1W0391	
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 S07.2	AEROTOP S07.2		
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A	R410A		
Mass of Refrigerant	4 kg	4 kg		
Certification Date	28.07.2020			

Model: AEROTOP S07.2

Configure model		
Model name	AEROTOP S07.2	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.72 kW	4.76 kW	
El input	1.14 kW	1.75 kW	
СОР	5.02	2.72	

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

	EN 14825	
	Low temperature	Medium temperature
η_{s}	245 %	174 %
Prated	7.98 kW	8.02 kW
SCOP	6.20	4.42
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	7.98 kW	8.02 kW
COP Tj = +2°C	4.18	2.80
Cdh Tj = +2 °C	0.97	0.97
Pdh Tj = +7°C	5.20 kW	5.14 kW
COP Tj = +7°C	5.78	3.89
Cdh Tj = +7 °C	0.94	0.94
Pdh Tj = 12°C	3.04 kW	2.98 kW
COP Tj = 12°C	7.41	5.52
Cdh Tj = +12 °C	0.93	0.93
Pdh Tj = Tbiv	7.98 kW	8.02 kW

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COP Tj = Tbiv	4.18	2.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.98 kW	8.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.18	4.42
WTOL	63 °C	63 °C
Poff	35 W	35 W
PTO	36 W	36 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1719 kWh	2427 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
Low temperature	Medium temperature	
159 %	127 %	
10.50 kW	9.19 kW	
	159 %	





SCOP	4.06	3.25
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.71 kW	5.87 kW
COP Tj = -7°C	3.79	2.96
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.12 kW	3.75 kW
COP Tj = +2°C	5.42	4.13
Cdh Tj = +2 °C	0.97	0.97
Pdh Tj = $+7$ °C	2.78 kW	2.73 kW
$COP Tj = +7^{\circ}C$	6.62	5.28
Cdh Tj = +7 °C	0.94	0.94
Pdh Tj = 12°C	3.09 kW	3.05 kW
COP Tj = 12°C	7.92	6.24
Cdh Tj = +12 °C	0.93	0.93
Pdh Tj = Tbiv	6.71 kW	5.87 kW
COP Tj = Tbiv	3.79	2.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.55 kW	5.23 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.26	1.50
WTOL	63 °C	63 °C
Poff	35 W	35 W





РТО	36 W	36 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.95 kW	3.96 kW
Annual energy consumption Qhe	6733 kWh	7352 kWh
Pdh Tj = -15°C (if TOL<-20°C)		
COP Tj = -15°C (if TOL $<$ -20°C)		
Cdh Tj = -15 °C		

Average Climate

EN 12102-1				
Low temperature Medium temperature				
Sound power level indoor	44 dB(A)	44 dB(A)		

EN 14825		
Low temperature Medium temperature		
199 %	142 %	
7.90 kW	7.42 kW	
5.06	3.61	
-7 °C	-7 °C	
	Low temperature 199 % 7.90 kW 5.06	





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TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.99 kW	6.56 kW
COP Tj = -7°C	3.43	2.55
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.01 kW	3.89 kW
COP Tj = +2°C	5.01	3.60
Cdh Tj = +2 °C	0.97	0.97
Pdh Tj = $+7$ °C	2.82 kW	2.65 kW
$COPTj = +7^{\circ}C$	6.35	4.65
Cdh Tj = +7 °C	0.94	0.94
Pdh Tj = 12°C	3.09 kW	2.99 kW
COP Tj = 12°C	7.92	5.86
Cdh Tj = +12 °C	0.93	0.93
Pdh Tj = Tbiv	6.99 kW	6.56 kW
COP Tj = Tbiv	3.43	2.55
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.38 kW	6.96 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	2.01
WTOL	63 °C	63 °C
Poff	35 W	35 W
РТО	36 W	36 W
PSB	15 W	15 W



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PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.52 kW	0.46 kW
Annual energy consumption Qhe	3229 kWh	4240 kWh



Model: AEROTOP S07.2_2-parts

Configure model		
Model name	AEROTOP S07.2_2-parts	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2				
Low temperature Medium temperature				
Heat output	5.72 kW	4.76 kW		
El input	1.14 kW	1.75 kW		
СОР	5.02	2.72		

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

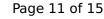
Warmer Climate



EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	44 dB(A)	44 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	245 %	174 %
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SCOP	6.20	4.42
Tbiv	2 °C	2 °C
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COP Tj = +7°C	5.78	3.89
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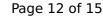


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Colder Climate

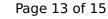
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