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Login

Summary of	AEROTOP T26 / T26R	Reg. No.	011-1W0301
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 T26 / T26R		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R407c		
Mass of Refrigerant	7.4 kg		
Certification Date	04.05.2019		

Model: AEROTOP T26

Configure model	
Model name	AEROTOP T26
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	31.00 kW	29.00 kW
El input	7.56 kW	10.74 kW
COP	4.10	2.70

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	59 dB(A)	59 dB(A)
Sound power level outdoor	70 dB(A)	70 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	144 %	113 %
Prated	19.00 kW	19.00 kW
SCOP	3.68	2.89
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	20.06 kW	18.65 kW
COP Tj = -7°C	2.75	2.00
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	22.46 kW	22.24 kW
COP Tj = +2°C	3.53	2.70
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	31.80 kW	30.90 kW
COP Tj = +7°C	4.82	4.01
Cdh Tj = +7 °C	1.00	1.00

Pdh Tj = 12°C	35.28 kW	34.75 kW
COP Tj = 12°C	5.78	5.09
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	35.10 kW	17.90 kW
COP Tj = Tbiv	2.50	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	19.00 kW	17.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.80
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	57 °C	57 °C
Poff	0 W	0 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	80 W	80 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	10667 kWh	13781 kWh

Warmer Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	59 dB(A)	59 dB(A)
Sound power level outdoor	70 dB(A)	70 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	180 %	120 %
Prated	24.00 kW	26.00 kW
SCOP	4.56	3.06
Tbiv	2 °C	2 °C
TOL	-20 °C	-10 °C
Pdh Tj = +2°C	22.37 kW	22.00 kW
COP Tj = +2°C	3.17	2.40
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	31.40 kW	29.90 kW
COP Tj = +7°C	4.46	3.22
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	35.10 kW	34.39 kW
COP Tj = 12°C	5.55	2.19
Cdh Tj = +12 °C	1.00	1.00

Pdh Tj = Tbiv	22.37 kW	22.00 kW
COP Tj = Tbiv	3.17	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	22.37 kW	22.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.17	2.40
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	57 °C	57 °C
Poff	0 W	0 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	80 W	80 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	7142 kWh	11470 kWh

Colder Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	59 dB(A)	59 dB(A)
Sound power level outdoor	70 dB(A)	70 dB(A)

EN 14825

	Low temperature	**Medium temperature**
η_s	133 %	93 %
Prated	21.00 kW	28.00 kW
SCOP	3.39	2.39
Tbiv	-15 °C	-10 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	20.37 kW	19.28 kW
COP Tj = -7°C	2.94	2.29
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	22.52 kW	22.33 kW
COP Tj = +2°C	3.74	3.03
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	32.00 kW	31.30 kW
COP Tj = +7°C	5.00	4.37
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	35.28 kW	34.92 kW
COP Tj = 12°C	5.78	5.32
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	17.09 kW	18.40 kW
COP Tj = Tbiv	2.35	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	17.10 kW	18.40 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.33	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	57 °C	57 °C
Poff	0 W	0 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	80 W	80 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	15206 kWh	29030 kWh
Pdh Tj = -15°C (if TOL<-20°C)	0.01	0.01
COP Tj = -15°C (if TOL<-20°C)	0.01	0.01
Cdh Tj = -15 °C	0.90	0.90

Model: AEROTOP T26R

Configure model	
Model name	AEROTOP T26R
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	31.00 kW	29.00 kW
El input	7.56 kW	10.74 kW
COP	4.10	2.70

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	59 dB(A)	59 dB(A)
Sound power level outdoor	68 dB(A)	68 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	148 %	115 %
Prated	19.00 kW	19.00 kW
SCOP	3.78	2.96
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	20.06 kW	18.65 kW
COP Tj = -7°C	2.75	2.00
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	22.46 kW	22.24 kW
COP Tj = +2°C	3.53	2.70
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	31.80 kW	30.90 kW
COP Tj = +7°C	4.82	4.01
Cdh Tj = +7 °C	1.00	1.00

Pdh Tj = 12°C	35.28 kW	34.75 kW
COP Tj = 12°C	5.78	5.09
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	35.10 kW	17.90 kW
COP Tj = Tbiv	2.50	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	19.00 kW	17.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.80
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	57 °C	57 °C
Poff	0 W	0 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	80 W	80 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	10373 kWh	13487 kWh

Warmer Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	59 dB(A)	59 dB(A)
Sound power level outdoor	68 dB(A)	68 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	189 %	123 %
Prated	24.00 kW	26.00 kW
SCOP	4.80	3.16
Tbiv	2 °C	2 °C
TOL	-20 °C	-10 °C
Pdh Tj = +2°C	22.37 kW	22.00 kW
COP Tj = +2°C	3.17	2.40
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	31.40 kW	29.90 kW
COP Tj = +7°C	4.46	3.22
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	35.10 kW	34.39 kW
COP Tj = 12°C	5.55	2.19
Cdh Tj = +12 °C	1.00	1.00

Pdh Tj = Tbiv	22.37 kW	22.00 kW
COP Tj = Tbiv	3.17	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	22.37 kW	22.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.17	2.40
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	57 °C	57 °C
Poff	0 W	0 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	80 W	80 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	6789 kWh	11117 kWh

Colder Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	59 dB(A)	59 dB(A)
Sound power level outdoor	68 dB(A)	68 dB(A)

EN 14825

	Low temperature	**Medium temperature**
η_s	134 %	93 %
Prated	21.00 kW	28.00 kW
SCOP	3.43	2.41
Tbiv	-15 °C	-10 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	20.37 kW	19.28 kW
COP Tj = -7°C	2.94	2.29
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	22.52 kW	22.33 kW
COP Tj = +2°C	3.74	3.03
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	32.00 kW	31.30 kW
COP Tj = +7°C	5.00	4.37
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	35.28 kW	34.92 kW
COP Tj = 12°C	5.78	5.32
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	17.09 kW	18.40 kW
COP Tj = Tbiv	2.35	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	17.10 kW	18.40 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.33	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	57 °C	57 °C
Poff	0 W	0 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	80 W	80 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	15030 kWh	28853 kWh
Pdh Tj = -15°C (if TOL<-20°C)	0.01	0.01
COP Tj = -15°C (if TOL<-20°C)	0.01	0.01
Cdh Tj = -15 °C	0.90	0.90