

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

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		
Name of testing laboratory	Wärmepumpen-Testzentrum WPZ		
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

General Data

Power supply	3x230V 50Hz
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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
Indoor water flow rate	5.33 m ³ /h	4.16 m ³ /h

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

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

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	1.00	1.00
Pdh Tj = +2°C	22.46 kW	22.24 kW
COP Tj = +2°C	3.53	2.70
Cdh	1.00	1.00
Pdh Tj = +7°C	31.80 kW	30.90 kW
COP Tj = +7°C	4.82	4.01
Cdh	1.00	1.00

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Pdh Tj = 12°C	35.28 kW	34.75 kW
COP Tj = 12°C	5.78	5.09
Cdh	1.00	1.00
Pdh Tj = Tbiv	35.10 kW	17.90 kW
COP Tj = Tbiv	2.50	1.80
Pdh Tj = TOL	19.00 kW	17.90 kW
COP Tj = TOL	2.50	1.80
Cdh	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	Elektrizit��t	Elektrizit��t
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	10667 kWh	13781 kWh

Warmer Climate

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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	1.00	1.00
Pdh Tj = +7°C	31.40 kW	29.90 kW
COP Tj = +7°C	4.46	3.22
Cdh	1.00	1.00
Pdh Tj = 12°C	35.10 kW	34.39 kW
COP Tj = 12°C	5.55	2.19
Cdh	1.00	1.00

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Pdh Tj = Tbiv	22.37 kW	22.00 kW
COP Tj = Tbiv	3.17	2.40
Pdh Tj = TOL	22.37 kW	22.00 kW
COP Tj = TOL	3.17	2.40
Cdh	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	Elektrizit��t	Elektrizit��t
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

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

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	1.00	1.00
Pdh Tj = +2°C	22.52 kW	22.33 kW
COP Tj = +2°C	3.74	3.03
Cdh	1.00	1.00
Pdh Tj = +7°C	32.00 kW	31.30 kW
COP Tj = +7°C	5.00	4.37
Cdh	1.00	1.00
Pdh Tj = 12°C	35.28 kW	34.92 kW
COP Tj = 12°C	5.78	5.32
Cdh	1.00	1.00
Pdh Tj = Tbiv	17.09 kW	18.40 kW
COP Tj = Tbiv	2.35	2.13
Pdh Tj = TOL	17.10 kW	18.40 kW

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COP Tj = TOL	2.33	2.13
Cdh	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	Elektrizit��t	Elektrizit��t
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	0.90	0.90

Model: AEROTOP T26R

General Data

Power supply	3x230V 50Hz
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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
Indoor water flow rate	5.33 m ³ /h	4.16 m ³ /h

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

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

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	1.00	1.00
Pdh Tj = +2°C	22.46 kW	22.24 kW
COP Tj = +2°C	3.53	2.70
Cdh	1.00	1.00
Pdh Tj = +7°C	31.80 kW	30.90 kW
COP Tj = +7°C	4.82	4.01
Cdh	1.00	1.00

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

Pdh Tj = 12°C	35.28 kW	34.75 kW
COP Tj = 12°C	5.78	5.09
Cdh	1.00	1.00
Pdh Tj = Tbiv	35.10 kW	17.90 kW
COP Tj = Tbiv	2.50	1.80
Pdh Tj = TOL	19.00 kW	17.90 kW
COP Tj = TOL	2.50	1.80
Cdh	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	Elektrizit��������t	Elektrizit��������t
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	10373 kWh	13487 kWh

Warmer Climate

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

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	1.00	1.00
Pdh Tj = +7°C	31.40 kW	29.90 kW
COP Tj = +7°C	4.46	3.22
Cdh	1.00	1.00
Pdh Tj = 12°C	35.10 kW	34.39 kW
COP Tj = 12°C	5.55	2.19
Cdh	1.00	1.00

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

Pdh Tj = Tbiv	22.37 kW	22.00 kW
COP Tj = Tbiv	3.17	2.40
Pdh Tj = TOL	22.37 kW	22.00 kW
COP Tj = TOL	3.17	2.40
Cdh	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	Elektrizit��t	Elektrizit��t
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

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

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	1.00	1.00
Pdh Tj = +2°C	22.52 kW	22.33 kW
COP Tj = +2°C	3.74	3.03
Cdh	1.00	1.00
Pdh Tj = +7°C	32.00 kW	31.30 kW
COP Tj = +7°C	5.00	4.37
Cdh	1.00	1.00
Pdh Tj = 12°C	35.28 kW	34.92 kW
COP Tj = 12°C	5.78	5.32
Cdh	1.00	1.00
Pdh Tj = Tbiv	17.09 kW	18.40 kW
COP Tj = Tbiv	2.35	2.13
Pdh Tj = TOL	17.10 kW	18.40 kW

COP Tj = TOL	2.33	2.13
Cdh	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	Elektrizit�t	Elektrizit�t
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	0.90	0.90