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Summary of	THZ 5.5/8.5/504	Reg. No.	011-1W0050	
Certificate Holder	Certificate Holder			
Name	tecalor GmbH	tecalor GmbH		
Address	Fürstenbergerstr. 77	Zip	37603	
City	Holzminden	Country	Germany	
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH			
Subtype title	THZ 5.5/8.5/504			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	2.95 kg			



Model: THZ 504

Configure model		
Model name	THZ 504	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional) n/a		

General Data		
Power supply	1x230V 50Hz	

Heating

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	

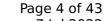
EN 14511-2			
Low temperature Medium temperature			
Heat output	4.40 kW	3.84 kW	
El input	0.93 kW	1.44 kW	
СОР	4.74	2.66	

Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	207 %	150 %
Prated	9.00 kW	8.00 kW
SCOP	5.24	3.82
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.81 kW	8.32 kW
$COP Tj = +2^{\circ}C$	3.18	2.34
Pdh Tj = $+7^{\circ}$ C	5.77 kW	5.41 kW
$COP Tj = +7^{\circ}C$	4.57	3.26
Pdh Tj = 12°C	3.34 kW	3.17 kW
COP Tj = 12°C	6.89	5.11
Pdh Tj = Tbiv	8.81 kW	8.32 kW
COP Tj = Tbiv	3.18	2.34
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.81 kW	8.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.18	2.34



2911 kWh



This information was generated by the HP KEYMARK database on 7 Jul 2022 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 0.98 0.98 60 °C 60 °C WTOL Poff 27 W 27 W PTO 63 W 63 W **PSB** 27 W 27 W **PCK** 35 W 35 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW

Colder Climate

Annual energy consumption Qhe

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	50 dB(A)	50 dB(A)	

2243 kWh

EN 14825		
	Low temperature	Medium temperature
η_{s}	131 %	102 %
Prated	14.00 kW	11.00 kW
SCOP	3.34	2.62
Tbiv	-7 °C	-7 °C





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TOL	-20 °C	-13 °C
Pdh Tj = -7°C	8.62 kW	6.38 kW
COP Tj = -7°C	2.96	2.50
Pdh Tj = +2°C	5.28 kW	3.92 kW
COP Tj = +2°C	4.20	3.48
Pdh Tj = $+7^{\circ}$ C	3.42 kW	2.79 kW
$COP Tj = +7^{\circ}C$	5.87	4.68
Pdh Tj = 12°C	3.35 kW	3.24 kW
COP Tj = 12°C	7.12	5.67
Pdh Tj = Tbiv	8.62 kW	6.38 kW
COP Tj = Tbiv	2.56	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.73 kW	2.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	6.38
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
РСК	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	14.24 kW	10.57 kW



ual energy consumption Qhe	10498 kWh 9932 kWh
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Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	163 %	128 %
Prated	10.00 kW	7.00 kW
SCOP	4.14	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.42 kW	5.87 kW
COP Tj = -7°C	2.76	2.26
Pdh Tj = +2°C	5.12 kW	3.52 kW
COP Tj = +2°C	3.94	3.27
Pdh Tj = $+7^{\circ}$ C	3.26 kW	2.72 kW
COP Tj = +7°C	5.53	4.14
Pdh Tj = 12°C	3.35 kW	3.20 kW
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COP Tj = 12°C	7.09	5.29	
Pdh Tj = Tbiv	8.42 kW	5.87 kW	
COP Tj = Tbiv	2.76	2.26	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.37 kW	2.67 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.88	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.98	
WTOL	60 °C	60 °C	
Poff	27 W	27 W	
РТО	63 W	63 W	
PSB	27 W	27 W	
PCK	35 W	35 W	
Supplementary Heater: Type of energy input	Electricity	Electricity	
Supplementary Heater: PSUP	1.15 kW	3.97 kW	
Annual energy consumption Qhe	4755 kWh	4199 kWh	



Model: THZ 5.5 eco

Configure model		
Model name THZ 5.5 eco		
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone Colder Climate + Warmer Climate		
Reversibility No		
Cooling mode application (optional) n/a		

General Data	
Power supply 1x230V 50Hz	

Heating

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	

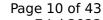
EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
СОР	4.74	2.66

Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	134 %
Prated	7.00 kW	7.00 kW
SCOP	4.53	3.42
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.70 kW	6.89 kW
$COPTj = +2^{\circ}C$	3.38	2.50
Pdh Tj = $+7^{\circ}$ C	4.31 kW	4.47 kW
$COPTj = +7^{\circ}C$	4.81	3.28
Pdh Tj = 12°C	3.32 kW	3.16 kW
COP Tj = 12°C	6.73	4.98
Pdh Tj = Tbiv	6.70 kW	6.68 kW
COP Tj = Tbiv	3.38	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.70 kW	6.89 kW



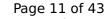


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.38	2.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1977 kWh	2694 kWh

Colder Climate

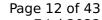
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	135 %	101 %
Prated	9.00 kW	9.00 kW





This information was gen	crated by the Hi KETI	IARK database on 7 Jul 2022
SCOP	3.45	2.60
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-13 °C
Pdh Tj = -7° C	5.57 kW	5.31 kW
$COPTj = -7^{\circ}C$	3.14	2.52
Pdh Tj = $+2$ °C	3.45 kW	3.28 kW
COP Tj = +2°C	4.51	3.50
Pdh Tj = $+7^{\circ}$ C	2.89 kW	2.78 kW
$COP Tj = +7^{\circ}C$	5.78	4.56
Pdh Tj = 12°C	3.34 kW	3.23 kW
COP Tj = 12°C	6.96	5.59
Pdh Tj = Tbiv	5.57 kW	5.31 kW
COP Tj = Tbiv	3.14	2.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.36 kW	2.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	2.09
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
РСК	35 W	35 W
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.52 kW	8.76 kW
Annual energy consumption Qhe	6605 kWh	8311 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	154 %	121 %
Prated	6.00 kW	6.00 kW
SCOP	3.92	3.11
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.48 kW	5.54 kW
COP Tj = -7°C	2.93	2.26
Pdh Tj = $+2$ °C	3.28 kW	3.41 kW
$COP Tj = +2^{\circ}C$	4.18	3.27

Pdh Tj = +7°C	2.86 kW	2.71 kW
$COP Tj = +7^{\circ}C$	5.43	4.09
Pdh Tj = 12°C	3.34 kW	3.19 kW
COP Tj = 12°C	6.96	5.29
Pdh Tj = Tbiv	5.48 kW	5.54 kW
COP Tj = Tbiv	2.93	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.48 kW	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.75 kW	3.55 kW
Annual energy consumption Qhe	3280 kWh	4138 kWh



Model: THZ 5.5 flex

Configure model		
Model name	THZ 5.5 flex	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

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	

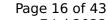
EN 14511-2		
Low temperature Medium temperature		
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
СОР	4.74	2.66

Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	134 %
Prated	7.00 kW	7.00 kW
SCOP	4.53	3.42
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.70 kW	6.89 kW
COP Tj = +2°C	3.38	2.50
Pdh Tj = +7°C	4.31 kW	4.47 kW
$COP Tj = +7^{\circ}C$	4.81	3.28
Pdh Tj = 12°C	3.32 kW	3.16 kW
COP Tj = 12°C	6.73	4.98
Pdh Tj = Tbiv	6.70 kW	6.89 kW
COP Tj = Tbiv	3.38	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.70 kW	6.89 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.38	2.50



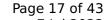


Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
PTO	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1977 kWh	2694 kWh

Colder Climate

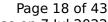
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	135 %	101 %
Prated	9.00 kW	9.00 kW
SCOP	3.45	2.60
Tbiv	-7 °C	-7 °C





$COP Tj = -7^{\circ}C$ $Pdh Tj = +2^{\circ}C$ 3.	3.14 3.45 kW	5.31 kW 2.52 3.28 kW
$Pdh Tj = +2^{\circ}C$ 3.	3.45 kW	
		3.28 kW
$COP Tj = +2^{\circ}C $ 4.	1.51	
		3.50
Pdh Tj = $+7$ °C 2.	2.89 kW	2.78 kW
$COP Tj = +7^{\circ}C$ 5.	5.78	4.56
$Pdh Tj = 12^{\circ}C$ 3.	3.34 kW	3.23 kW
$COP Tj = 12^{\circ}C$	5.96	5.59
Pdh Tj = Tbiv 5.	5.57 kW	5.31 kW
COP Tj = Tbiv 3.	3.14	2.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh 4.	1.36 kW	2.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL $<$ Tdesignh 2.	2.55	2.09
	0.98	0.98
WTOL 60	50 °C	60 °C
Poff 27	27 W	27 W
PTO 63	53 W	63 W
PSB 27	27 W	27 W
PCK 35	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP 9.	9.25 kW	8.76 kW



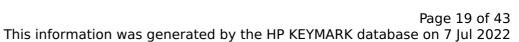


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Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	154 %	121 %
Prated	6.00 kW	6.00 kW
SCOP	3.92	3.11
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.48 kW	5.54 kW
COP Tj = -7°C	2.93	2.26
Pdh Tj = +2°C	3.28 kW	3.41 kW
COP Tj = +2°C	4.18	3.27
Pdh Tj = +7°C	2.86 kW	2.71 kW
COP Tj = +7°C	5.43	4.09
Pdh Tj = 12°C	3.34 kW	3.19 kW





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COP Tj = 12°C	6.96	5.26
Pdh Tj = Tbiv	5.48 kW	5.54 kW
COP Tj = Tbiv	2.93	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.47 kW	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.75 kW	3.55 kW
Annual energy consumption Qhe	3280 kWh	4138 kWh



Model: THZ 5.5 SOL

Configure model		
Model name THZ 5.5 SOL		
Application	Heating (medium temp)	
Units		
Climate Zone Colder Climate + Warmer Climate		
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

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	

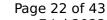
EN 14511-2			
Low temperature Medium temperature			
Heat output	4.40 kW	3.84 kW	
El input	0.93 kW	1.44 kW	
СОР	4.74	2.66	

Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)

EN 14825			
	Low temperature	Medium temperature	
η_{s}	207 %	149 %	
Prated	7.00 kW	7.00 kW	
SCOP	5.25	3.80	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = $+2$ °C	6.70 kW	6.89 kW	
$COP Tj = +2^{\circ}C$	3.38	2.50	
Pdh Tj = $+7^{\circ}$ C	4.31 kW	4.47 kW	
$COP Tj = +7^{\circ}C$	4.81	3.28	
Pdh Tj = 12°C	3.32 kW	3.16 kW	
COP Tj = 12°C	6.73	4.98	
Pdh Tj = Tbiv	6.70 kW	6.89 kW	
COP Tj = Tbiv	3.38	2.50	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.70 kW	6.89 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.38	2.50	



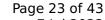


Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
PTO	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1704 kWh	2420 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)

EN 14825		
Low temperature	Medium temperature	
138 %	103 %	
9.00 kW	9.00 kW	
3.53	2.64	
-7 °C	-7 °C	
	Low temperature 138 % 9.00 kW 3.53	





mis information was gen	erated by the fir KETI	TARK database on 7 Jul 202
TOL	-20 °C	-13 °C
Pdh Tj = -7°C	5.57 kW	5.31 kW
$COP Tj = -7^{\circ}C$	3.14	2.52
Pdh Tj = +2°C	3.45 kW	3.28 kW
COP Tj = +2°C	4.51	3.50
Pdh Tj = $+7^{\circ}$ C	2.89 kW	2.78 kW
$COPTj = +7^{\circ}C$	5.78	4.56
Pdh Tj = 12°C	3.34 kW	3.23 kW
COP Tj = 12°C	6.96	5.59
Pdh Tj = Tbiv	5.57 kW	5.31 kW
COP Tj = Tbiv	3.14	2.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	4.36 kW	2.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	2.09
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.25 kW	8.76 kW
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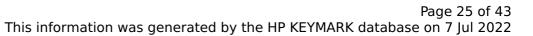


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Annual energy consumption Qhe	6468 kWh	8174 kWh	

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	165 %	129 %
Prated	6.00 kW	6.00 kW
SCOP	4.21	3.29
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.48 kW	5.54 kW
COP Tj = -7°C	2.93	2.26
Pdh Tj = $+2^{\circ}$ C	3.28 kW	3.41 kW
$COP Tj = +2^{\circ}C$	4.18	3.27
Pdh Tj = $+7^{\circ}$ C	2.86 kW	2.71 kW
$COP Tj = +7^{\circ}C$	5.43	4.09
Pdh Tj = 12°C	3.34 kW	3.19 kW





6.96	5.26
5.48 kW	5.54 kW
2.93	2.26
5.47 kW	2.67 kW
2.82	1.88
0.98	0.98
60 °C	60 °C
27 W	27 W
63 W	63 W
27 W	27 W
35 W	35 W
Electricity	Electricity
0.75 kW	3.55 kW
3052 kWh	3910 kWh
	5.48 kW 2.93 5.47 kW 2.82 0.98 60 °C 27 W 63 W 27 W 35 W Electricity 0.75 kW



Model: THZ 5.5 eco DHW

Configure model	
Model name	THZ 5.5 eco DHW
Application	Heating + DHW
Units	Indoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data		
Power supply	1x230V 50Hz	

Heating

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

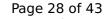
EN 14511-2	
	Medium temperature
Heat output	3.84 kW
El input	1.44 kW
СОР	2.66

Average Climate



EN 12102-1	
	Medium temperature
Sound power level indoor	52 dB(A)

EN 14825	
	Medium temperature
η_{s}	121 %
Prated	6.00 kW
SCOP	3.11
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	5.54 kW
COP Tj = -7°C	2.26
Pdh Tj = +2°C	3.41 kW
COP Tj = +2°C	3.27
Pdh Tj = +7°C	2.71 kW
$COPTj = +7^{\circ}C$	4.09
Pdh Tj = 12°C	3.19 kW
COP Tj = 12°C	5.29
Pdh Tj = Tbiv	5.54 kW
COP Tj = Tbiv	2.26





Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98
WTOL	60 °C
Poff	27 W
РТО	63 W
PSB	27 W
PCK	35 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	3.55 kW
Annual energy consumption Qhe	4138 kWh

Domestic Hot Water (DHW)

Average Climate



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	111 %	
СОР	2.70	
Heating up time	02:06 h:min	
Standby power input	132.0 W	
Reference hot water temperature	57.0 °C	
Mixed water at 40°C	352 l	



Model: THZ 504 DHW

Configure model		
Model name	THZ 504 DHW	
Application	Heating + DHW	
Units	Indoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

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	

EN 14511-2	
	Medium temperature
Heat output	3.84 kW
El input	1.44 kW
СОР	2.66

Average Climate



EN 12102-1	
	Medium temperature
Sound power level indoor	50 dB(A)

EN 14825	
	Medium temperature
n _s	128 %
Prated	7.00 kW
БСОР	3.27
Tbiv	-7 °C
ГОL	-10 °C
Pdh Tj = -7°C	5.87 kW
COP Tj = -7°C	2.26
Pdh Tj = +2°C	3.52 kW
COP Tj = +2°C	3.27
Pdh Tj = +7°C	2.72 kW
$COP Tj = +7^{\circ}C$	4.14
Pdh Tj = 12°C	3.20 kW
COP Tj = 12°C	5.29
Pdh Tj = Tbiv	5.87 kW
COP Tj = Tbiv	2.26



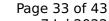
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This information was generated by the HP KEYMARK database on 7 Jul 2022

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98
WTOL	60 °C
Poff	27 W
PTO	63 W
PSB	27 W
PCK	35 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	3.97 kW
Annual energy consumption Qhe	4199 kWh

Domestic Hot Water (DHW)

Average Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	111 %	
СОР	2.70	
Heating up time	02:06 h:min	
Standby power input	132.0 W	
Reference hot water temperature	57.0 °C	
Mixed water at 40°C	352 l	



Model: THZ 5.5 SOL DHW

Configure model		
Model name	THZ 5.5 SOL DHW	
Application	Heating + DHW	
Units	Indoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data			
Power supply 1x230V 50Hz			

Heating

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

EN 14511-2	
Medium temperature	
Heat output	3.84 kW
El input	1.44 kW
СОР	2.66

Average Climate



EN 12102-1	
	Medium temperature
Sound power level indoor	50 dB(A)

EN 14825	
	Medium temperature
η_{s}	121 %
Prated	6.00 kW
SCOP	3.11
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7° C	5.54 kW
COP Tj = -7°C	2.26
Pdh Tj = $+2$ °C	3.41 kW
COP Tj = +2°C	3.27
Pdh Tj = $+7^{\circ}$ C	2.71 kW
$COP Tj = +7^{\circ}C$	4.09
Pdh Tj = 12°C	3.19 kW
COP Tj = 12°C	5.29
Pdh Tj = Tbiv	5.54 kW
COP Tj = Tbiv	2.26





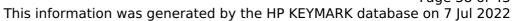
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98
WTOL	60 °C
Poff	27 W
РТО	63 W
PSB	27 W
PCK	35 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	3.55 kW
Annual energy consumption Qhe	4138 kWh

Domestic Hot Water (DHW)

Average Climate



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	111 %	
СОР	2.70	
Heating up time	02:06 h:min	
Standby power input	132.0 W	
Reference hot water temperature	57.0 °C	
Mixed water at 40°C	352 I	





Model: THZ 8.5 Flex

Configure model		
Model name	THZ 8.5 Flex	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

Heating

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

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
СОР	4.74	2.66

Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	133 %
Prated	9.00 kW	8.00 kW
SCOP	4.67	3.41
Tbiv	2 °C	0 °C
TOL	2 °C	0 °C
Pdh Tj = $+2^{\circ}$ C	8.81 kW	8.32 kW
COP Tj = +2°C	3.18	2.34
Pdh Tj = $+7^{\circ}$ C	5.77 kW	5.41 kW
$COPTj = +7^{\circ}C$	4.57	3.26
Pdh Tj = 12°C	3.34 kW	3.17 kW
COP Tj = 12°C	6.89	5.11
Pdh Tj = Tbiv	8.81 kW	8.32 kW
COP Tj = Tbiv	3.18	2.34
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.81 kW	8.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.18	2.34



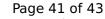


Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.98
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	69 W	69 W
PSB	24 W	24 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2517 kWh	3264 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	129 %	100 %
Prated	14.00 kW	11.00 kW
SCOP	3.30	2.58
Tbiv	-7 °C	-7 °C





mis information was gen	eraced by the fir KETI	TANK database off 7 Jul 2022
TOL	-20 °C	-13 °C
Pdh Tj = -7°C	8.62 kW	6.38 kW
COP Tj = -7°C	2.96	2.50
Pdh Tj = $+2$ °C	5.28 kW	3.92 kW
COP Tj = +2°C	4.20	3.48
Pdh Tj = $+7^{\circ}$ C	3.42 kW	2.79 kW
$COP Tj = +7^{\circ}C$	5.87	4.68
Pdh Tj = 12°C	3.35 kW	3.24 kW
COP Tj = 12°C	7.12	5.67
Pdh Tj = Tbiv	8.62 kW	6.38 kW
COP Tj = Tbiv	2.56	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.73 kW	2.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	2.09
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	14.24 kW	10.57 kW
	·	



Annual energy consumption Qhe	10634 kWh	10109 kWh	
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Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	155 %	121 %
Prated	10.00 kW	7.00 kW
SCOP	3.95	3.10
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.42 kW	5.87 kW
COP Tj = -7°C	2.76	2.26
Pdh Tj = +2°C	5.12 kW	3.52 kW
COP Tj = +2°C	3.94	3.27
Pdh Tj = $+7^{\circ}$ C	3.26 kW	2.72 kW
COP Tj = +7°C	5.53	4.14
Pdh Tj = 12°C	3.35 kW	3.20 kW





	<u> </u>	
COP Tj = 12°C	7.09	5.29
Pdh Tj = Tbiv	8.42 kW	5.87 kW
COP Tj = Tbiv	2.76	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.37 kW	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.15 kW	3.97 kW
Annual energy consumption Qhe	4982 kWh	4427 kWh