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This information was generated by the HP KEYMARK database on 21 Jun 2022

Login

Summary of	TTF 07, TTF 07 cool, TTC 07, TTC 07 cool	Reg. No.	011-1W0040
Certificate Holder			
Name	ne tecalor GmbH		
Address	Fürstenbergerstr. 77	Zip	37603
City	Holzminden	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	TTF 07, TTF 07 cool, TTC 07, TTC 07 cool		
leat Pump Type Brine/Water			
Refrigerant	R410A		
Mass of Refrigerant	of Refrigerant 1.72 kg		
Certification Date 28.10.2016			



Model: TTF 07, all climates

Configure model		
Model name	TTF 07, all climates	
Application	Heating (low temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2	
Low temperature	
Heat output	7.50 kW
El input	1.55 kW
СОР	4.84

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



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

	EN 14825	
	Low temperature	
η_{s}	205 %	
Prated	8.00 kW	
SCOP	5.32	
Tbiv	-10 °C	
TOL	-10 °C	
Pdh Tj = -7°C	7.50 kW	
COP Tj = -7°C	4.90	
Cdh Tj = -7 °C	0.90	
Pdh Tj = +2°C	7.60 kW	
COP Tj = +2°C	5.25	
Cdh Tj = +2 °C	0.90	
Pdh Tj = +7°C	7.60 kW	
COP Tj = +7°C	5.60	
Cdh Tj = +7 °C	0.90	
Pdh Tj = 12°C	7.70 kW	





COP Tj = 12°C	5.99
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	7.50 kW
COP Tj = Tbiv	4.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84
WTOL	65 °C
Poff	o w
РТО	54 W
PSB	9 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	2912 kWh

Warmer Climate

EN 14825	
	Low temperature
η_{s}	204 %
Prated	8.00 kW
SCOP	5.31
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This information was generated by the HF KETI	TANK database on 21 jun 2022
Tbiv	2 °C
TOL	0 °C
Pdh Tj = +2°C	7.50 kW
COP Tj = +2°C	4.84
Cdh Tj = +2 °C	0.90
Pdh Tj = $+7^{\circ}$ C	7.60 kW
$COPTj = +7^{\circ}C$	5.17
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	7.70 kW
COP Tj = 12°C	5.73
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	7.50 kW
COP Tj = Tbiv	4.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84
WTOL	65 °C
Poff	0 W
РТО	54 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity





Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	1888 kWh

Colder Climate

EN 14825	
	Low temperature
η_s	211 %
Prated	9.00 kW
SCOP	5.48
Tbiv	-15 °C
TOL	-22 °C
Pdh Tj = -7°C	7.60 kW
COP Tj = -7°C	5.42
Cdh Tj = -7 °C	0.90
Pdh Tj = +2°C	7.70 kW
COP Tj = +2°C	5.70
Cdh Tj = +2 °C	0.90
Pdh Tj = +7°C	7.70 kW
COP Tj = +7°C	5.93
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	7.70 kW





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COP Tj = 12°C	5.97
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	7.60 kW
COP Tj = Tbiv	5.31
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.31
WTOL	65 °C
Poff	o w
PTO	54 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	1.80 kW
Annual energy consumption Qhe	4184 kWh
Pdh Tj = -15 °C (if TOL< -20 °C)	7.60
COP Tj = -15°C (if TOL<-20°C)	5.31
Cdh Tj = -15 °C	0.90

Model: TTF 07, average climates

Configure model		
Model name	TTF 07, average climates	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	6.91 kW
El input	1.55 kW	2.35 kW
СОР	4.84	2.94

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



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}	205 %	139 %
Prated	8.00 kW	7.00 kW
SCOP	5.32	3.67
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7° C	7.50 kW	7.00 kW
COP Tj = -7°C	4.90	3.07
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	7.60 kW	7.20 kW
COP Tj = +2°C	5.25	3.61
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	7.60 kW	7.30 kW
$COPTj = +7^{\circ}C$	5.60	4.02
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	7.70 kW	7.40 kW



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		-
COP Tj = 12°C	5.99	4.52
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.50 kW	6.90 kW
COP Tj = Tbiv	4.84	2.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW	6.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84	2.94
WTOL	65 °C	65 °C
Poff	o w	0 W
PTO	54 W	54 W
PSB	9 W	9 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2912 kWh	3891 kWh



Model: TTF 07 cool, all climates

Configure model		
Model name	TTF 07 cool, all climates	
Application	Heating (low temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

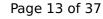
EN 14511-2		
	Low temperature	
Heat output	7.50 kW	
El input	1.55 kW	
СОР	4.84	

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



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

EN 14825		
	Low temperature	
η_{s}	205 %	
Prated	8.00 kW	
SCOP	5.32	
Tbiv	-10 °C	
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Pdh Tj = -7°C	7.50 kW	
COP Tj = -7°C	4.90	
Cdh Tj = -7 °C	0.90	
Pdh Tj = +2°C	7.60 kW	
$COP Tj = +2^{\circ}C$	5.25	
Cdh Tj = +2 °C	0.90	
Pdh Tj = +7°C	7.60 kW	
$COP Tj = +7^{\circ}C$	5.60	
Cdh Tj = +7 °C	0.90	
Pdh Tj = 12°C	7.70 kW	
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COP Tj = 12°C	5.99
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	7.50 kW
COP Tj = Tbiv	4.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84
WTOL	65 °C
Poff	o w
РТО	54 W
PSB	9 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	2912 kWh

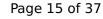
Warmer Climate

EN 14825		
	Low temperature	
η_{s}	204 %	
Prated	8.00 kW	
SCOP	5.31	
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This information was generated by the HF KETI	TANK database on 21 jun 2022
Tbiv	2 °C
TOL	0 °C
Pdh Tj = +2°C	7.50 kW
COP Tj = +2°C	4.84
Cdh Tj = +2 °C	0.90
Pdh Tj = $+7^{\circ}$ C	7.60 kW
$COPTj = +7^{\circ}C$	5.17
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	7.70 kW
COP Tj = 12°C	5.73
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	7.50 kW
COP Tj = Tbiv	4.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84
WTOL	65 °C
Poff	0 W
РТО	54 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity

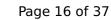




Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	1888 kWh

Colder Climate

EN 14825	
	Low temperature
η_s	211 %
Prated	9.00 kW
SCOP	5.48
Tbiv	-15 °C
TOL	-22 °C
Pdh Tj = -7°C	7.60 kW
COP Tj = -7°C	5.42
Cdh Tj = -7 °C	0.90
Pdh Tj = +2°C	7.70 kW
COP Tj = +2°C	5.70
Cdh Tj = +2 °C	0.90
Pdh Tj = +7°C	7.70 kW
COP Tj = +7°C	5.93
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	7.70 kW





This information was generated by the Hill Kern	
COP Tj = 12°C	5.97
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	7.60 kW
COP Tj = Tbiv	5.31
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.31
WTOL	65 °C
Poff	o w
PTO	54 W
PSB	9 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	1.80 kW
Annual energy consumption Qhe	4184 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.60
COP Tj = -15°C (if TOL<-20°C)	5.31
Cdh Tj = -15 °C	0.90

Model: TTF 07 cool, average climates

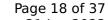
Configure model		
Model name	TTF 07 cool, average climates	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	6.91 kW
El input	1.55 kW	2.35 kW
СОР	4.84	2.94

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





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}	205 %	139 %
Prated	8.00 kW	7.00 kW
SCOP	5.32	3.67
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.00 kW
COP Tj = -7°C	4.90	3.07
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	7.60 kW	7.20 kW
COP Tj = +2°C	5.25	3.61
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	7.60 kW	7.30 kW
COP Tj = +7°C	5.60	4.02
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	7.70 kW	7.40 kW



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COP Tj = 12°C	5.99	4.52
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.50 kW	6.90 kW
COP Tj = Tbiv	4.84	2.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW	6.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84	2.94
WTOL	65 °C	65 °C
Poff	o w	0 W
РТО	54 W	54 W
PSB	9 W	9 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2912 kWh	3891 kWh



Model: TTC 07, all climates

Configure model		
Model name	TTC 07, all climates	
Application	Heating (low temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

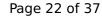
EN 14511-2	
	Low temperature
Heat output	7.50 kW
El input	1.55 kW
СОР	4.84

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



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

EN 14825		
	Low temperature	
η_s	205 %	
Prated	8.00 kW	
SCOP	5.32	
Tbiv	-10 °C	
TOL	-10 °C	
Pdh Tj = -7°C	7.50 kW	
COP Tj = -7°C	4.90	
Cdh Tj = -7 °C	0.90	
Pdh Tj = +2°C	7.60 kW	
$COP Tj = +2^{\circ}C$	5.25	
Cdh Tj = +2 °C	0.90	
Pdh Tj = +7°C	7.60 kW	
$COP Tj = +7^{\circ}C$	5.60	
Cdh Tj = +7 °C	0.90	
Pdh Tj = 12°C	7.70 kW	
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COP Tj = 12°C	5.99
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	7.50 kW
COP Tj = Tbiv	4.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84
WTOL	65 °C
Poff	o w
РТО	54 W
PSB	9 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	2912 kWh

Warmer Climate

EN 14825	
	Low temperature
η_{s}	204 %
Prated	8.00 kW
SCOP	5.31





inis information was generated by the F	TP KETMAKK database on 21 Juli 2022
Tbiv	2 °C
TOL	0 °C
Pdh Tj = +2°C	7.50 kW
$COPTj = +2^{\circ}C$	4.84
Cdh Tj = +2 °C	0.90
Pdh Tj = $+7^{\circ}$ C	7.60 kW
COP Tj = +7°C	5.17
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	7.70 kW
COP Tj = 12°C	5.73
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	7.50 kW
COP Tj = Tbiv	4.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84
WTOL	65 °C
Poff	0 W
РТО	54 W
PSB	9 W
РСК	o w
Supplementary Heater: Type of energy input	Electricity

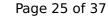




Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	1888 kWh

Colder Climate

EN 14825	
	Low temperature
η_s	211 %
Prated	9.00 kW
SCOP	5.48
Tbiv	-15 °C
TOL	-22 °C
Pdh Tj = -7°C	7.60 kW
COP Tj = -7°C	5.42
Cdh Tj = -7 °C	0.90
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COP Tj = +2°C	5.70
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Pdh Tj = +7°C	7.70 kW
COP Tj = +7°C	5.93
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	7.70 kW





This information was generated by the Hill Kern	
COP Tj = 12°C	5.97
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	7.60 kW
COP Tj = Tbiv	5.31
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.31
WTOL	65 °C
Poff	o w
PTO	54 W
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PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	1.80 kW
Annual energy consumption Qhe	4184 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.60
COP Tj = -15°C (if TOL<-20°C)	5.31
Cdh Tj = -15 °C	0.90



Model: TTC 07, average climates

Configure model		
Model name	TTC 07, average climates	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	6.91 kW
El input	1.55 kW	2.35 kW
СОР	4.84	2.94

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



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}	205 %	139 %
Prated	8.00 kW	7.00 kW
SCOP	5.32	3.67
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.00 kW
COP Tj = -7°C	4.90	3.07
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	7.60 kW	7.20 kW
COP Tj = +2°C	5.25	3.61
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	7.60 kW	7.30 kW
COP Tj = +7°C	5.60	4.02
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	7.70 kW	7.40 kW



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		-
COP Tj = 12°C	5.99	4.52
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.50 kW	6.90 kW
COP Tj = Tbiv	4.84	2.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW	6.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84	2.94
WTOL	65 °C	65 °C
Poff	o w	0 W
PTO	54 W	54 W
PSB	9 W	9 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2912 kWh	3891 kWh



Model: TTC 07 cool, all climates

Configure model			
Model name	TTC 07 cool, all climates		
Application	Heating (low temp)		
Units	Indoor		
Climate Zone	Colder Climate + Warmer Climate		
Reversibility	No		
Cooling mode application (optional)	n/a		

General Data		
Power supply	3x400V 50Hz	

Heating

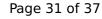
EN 14511-2	
	Low temperature
Heat output	7.50 kW
El input	1.55 kW
СОР	4.84

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



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

EN 14825	
	Low temperature
η_{s}	205 %
Prated	8.00 kW
SCOP	5.32
Tbiv	-10 °C
TOL	-10 °C
Pdh Tj = -7°C	7.50 kW
COP Tj = -7°C	4.90
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Pdh Tj = +2°C	7.60 kW
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Cdh Tj = +2 °C	0.90
Pdh Tj = +7°C	7.60 kW
$COP Tj = +7^{\circ}C$	5.60
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	7.70 kW
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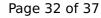




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COP Tj = 12°C	5.99
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	7.50 kW
COP Tj = Tbiv	4.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84
WTOL	65 °C
Poff	o w
РТО	54 W
PSB	9 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	2912 kWh

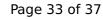
Warmer Climate

EN 14825	
	Low temperature
η_{s}	204 %
Prated	8.00 kW
SCOP	5.31





This information was generated by the HF KETI	TANK database on 21 jun 2022
Tbiv	2 °C
TOL	0 °C
Pdh Tj = +2°C	7.50 kW
COP Tj = +2°C	4.84
Cdh Tj = +2 °C	0.90
Pdh Tj = $+7^{\circ}$ C	7.60 kW
$COPTj = +7^{\circ}C$	5.17
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	7.70 kW
COP Tj = 12°C	5.73
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	7.50 kW
COP Tj = Tbiv	4.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84
WTOL	65 °C
Poff	0 W
РТО	54 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity

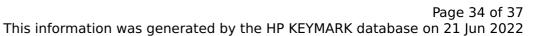




Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	1888 kWh

Colder Climate

	EN 14825
	Low temperature
ls	211 %
rated	9.00 kW
СОР	5.48
biv	-15 °C
OL .	-22 °C
Pdh Tj = -7°C	7.60 kW
OP Tj = -7°C	5.42
Cdh Tj = -7 °C	0.90
dh Tj = +2°C	7.70 kW
COP Tj = +2°C	5.70
Cdh Tj = +2 °C	0.90
dh Tj = +7°C	7.70 kW
COP Tj = +7°C	5.93
Cdh Tj = +7 °C	0.90
dh Tj = 12°C	7.70 kW





COP Tj = 12°C	5.97
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	7.60 kW
COP Tj = Tbiv	5.31
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.31
WTOL	65 °C
Poff	0 W
РТО	54 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	1.80 kW
Annual energy consumption Qhe	4184 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.60
COP Tj = -15°C (if TOL<-20°C)	5.31
Cdh Tj = -15 °C	0.90



Model: TTC 07 cool, average climates

Configure model		
Model name	TTC 07 cool, average climates	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2				
	Low temperature	Medium temperature		
Heat output	7.50 kW	6.91 kW		
El input	1.55 kW	2.35 kW		
СОР	4.84	2.94		

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



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}	205 %	139 %		
Prated	8.00 kW	7.00 kW		
SCOP	5.32	3.67		
Tbiv	-10 °C	-10 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7°C	7.50 kW	7.00 kW		
COP Tj = -7°C	4.90	3.07		
Cdh Tj = -7 °C	0.90	0.90		
Pdh Tj = +2°C	7.60 kW	7.20 kW		
COP Tj = +2°C	5.25	3.61		
Cdh Tj = +2 °C	0.90	0.90		
Pdh Tj = +7°C	7.60 kW	7.30 kW		
COP Tj = +7°C	5.60	4.02		
Cdh Tj = +7 °C	0.90	0.90		
Pdh Tj = 12°C	7.70 kW	7.40 kW		



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COP Tj = 12°C	5.99	4.52
Cdh Tj = $+12$ °C	0.90	0.90
Pdh Tj = Tbiv	7.50 kW	6.90 kW
COP Tj = Tbiv	4.84	2.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW	6.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84	2.94
WTOL	65 °C	65 °C
Poff	o w	0 W
РТО	54 W	54 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2912 kWh	3891 kWh