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Summary of	ESTIA HWT-801/1101	Reg. No.	011-1W0468
Certificate Holder			
Name	TOSHIBA AIR CONDITIONING		
Address	Porsham Close, Belliver Industrial Estate	Zip	PL6 7DB
City	Plymouth	Country	United Kingdom
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	ESTIA HWT-801/1101		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.25 kg		
Certification Date	21.12.2021		
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 9 (2021-03)		

Model: HWT-801HW-E / HWT-1101XWHM3W-E

Configure model	
Model name	HWT-801HW-E / HWT-1101XWHM3W-E
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
El input	1.54 kW	3.47 kW
COP	5.19	2.87

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	182 %	142 %
Prated	8.18 kW	8.12 kW
SCOP	4.63	3.63
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.2 kW	7.3 kW
COP Tj = -7°C	2.72	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.7 kW	4.6 kW
COP Tj = +2°C	4.56	3.6
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3 kW	3 kW
COP Tj = +7°C	6.3	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.2 kW	7.3 kW
COP Tj = Tbiv	2.72	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Model: HWT-801HW-E / HWT-1101XWHT6W-E

Configure model	
Model name	HWT-801HW-E / HWT-1101XWHT6W-E
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
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Starting and operating test	passed

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Model: HWT-801HW-E / HWT-1101XWHT9W-E

Configure model	
Model name	HWT-801HW-E / HWT-1101XWHT9W-E
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
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El input	1.54 kW	3.47 kW
COP	5.19	2.87

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Defrost test	passed
Starting and operating test	passed

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Model: HWT-801HRW-E / HWT-1101XWHM3W-E

Configure model	
Model name	HWT-801HRW-E / HWT-1101XWHM3W-E
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

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PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Model: HWT-801HRW-E / HWT-1101XWHT6W-E

Configure model	
Model name	HWT-801HRW-E / HWT-1101XWHT6W-E
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
El input	1.54 kW	3.47 kW
COP	5.19	2.87

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

Average Climate

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Pdh Tj = +2°C	4.7 kW	4.6 kW
COP Tj = +2°C	4.56	3.6
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PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Model: HWT-801HRW-E / HWT-1101XWHT9W-E

Configure model	
Model name	HWT-801HRW-E / HWT-1101XWHT9W-E
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
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Pdh Tj = +2°C	4.7 kW	4.6 kW
COP Tj = +2°C	4.56	3.6
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3 kW	3 kW
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Model: HWT-1101HW-E / HWT-1101XWHM3W-E

Configure model	
Model name	HWT-1101HW-E / HWT-1101XWHM3W-E
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11 kW	10.17 kW
El input	2.39 kW	3.62 kW
COP	4.6	2.81

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.9 kW	7.3 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.9 kW	4.5 kW
COP Tj = +2°C	4.5	3.58
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3.1 kW	3 kW
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.7 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.23 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Model: HWT-1101HW-E / HWT-1101XWHT6W-E

Configure model	
Model name	HWT-1101HW-E / HWT-1101XWHT6W-E
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
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Starting and operating test	passed

Average Climate

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Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.9 kW	7.3 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.9 kW	4.5 kW
COP Tj = +2°C	4.5	3.58
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3.1 kW	3 kW
COP Tj = +7°C	6.23	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.9 kW	7.3 kW
COP Tj = Tbiv	2.59	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.7 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.23 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Model: HWT-1101HRW-E / HWT-1101XWHT6W-E

Configure model	
Model name	HWT-1101HRW-E / HWT-1101XWHT6W-E
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11 kW	10.17 kW
El input	2.39 kW	3.62 kW
COP	4.6	2.81

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.9 kW	7.3 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.9 kW	4.5 kW
COP Tj = +2°C	4.5	3.58
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3.1 kW	3 kW
COP Tj = +7°C	6.23	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.9 kW	7.3 kW
COP Tj = Tbiv	2.59	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.7 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.23 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Model: HWT-1101HRW-E / HWT-1101XWHT9W-E

Configure model	
Model name	HWT-1101HRW-E / HWT-1101XWHT9W-E
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11 kW	10.17 kW
El input	2.39 kW	3.62 kW
COP	4.6	2.81

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.90 kW	7.30 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.980	0.990
Pdh Tj = +2°C	4.90 kW	4.50 kW
COP Tj = +2°C	4.50	3.58
Cdh Tj = +2 °C	0.950	0.960
Pdh Tj = +7°C	3.10 kW	3.00 kW
COP Tj = +7°C	6.23	4.75
Cdh Tj = +7 °C	0.900	0.920

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.30 kW	2.30 kW
COP Tj = 12°C	8.40	7.00
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.90 kW	7.30 kW
COP Tj = Tbiv	2.59	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.70 kW	6.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.800	0.900
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.23 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Model: HWT-801HW-E / HWT-1101F21SM3W-E

Configure model	
Model name	HWT-801HW-E / HWT-1101F21SM3W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
El input	1.54 kW	3.47 kW
COP	5.19	2.87

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	182 %	142 %
Prated	8.18 kW	8.12 kW
SCOP	4.63	3.63
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.2 kW	7.3 kW
COP Tj = -7°C	2.72	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.7 kW	4.6 kW
COP Tj = +2°C	4.56	3.6
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3 kW	3 kW
COP Tj = +7°C	6.3	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.2 kW	7.3 kW
COP Tj = Tbiv	2.72	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-801HW-E / HWT-1101F21MM3W-E

Configure model	
Model name	HWT-801HW-E / HWT-1101F21MM3W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
El input	1.54 kW	3.47 kW
COP	5.19	2.87

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	182 %	142 %
Prated	8.18 kW	8.12 kW
SCOP	4.63	3.63
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.2 kW	7.3 kW
COP Tj = -7°C	2.72	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.7 kW	4.6 kW
COP Tj = +2°C	4.56	3.6
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3 kW	3 kW
COP Tj = +7°C	6.3	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.2 kW	7.3 kW
COP Tj = Tbiv	2.72	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-801HW-E / HWT-1101F21ST6W-E

Configure model	
Model name	HWT-801HW-E / HWT-1101F21ST6W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
El input	1.54 kW	3.47 kW
COP	5.19	2.87

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	182 %	142 %
Prated	8.18 kW	8.12 kW
SCOP	4.63	3.63
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.2 kW	7.3 kW
COP Tj = -7°C	2.72	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.7 kW	4.6 kW
COP Tj = +2°C	4.56	3.6
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3 kW	3 kW
COP Tj = +7°C	6.3	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.2 kW	7.3 kW
COP Tj = Tbiv	2.72	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-801HW-E / HWT-1101F21MT6W-E

Configure model	
Model name	HWT-801HW-E / HWT-1101F21MT6W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
El input	1.54 kW	3.47 kW
COP	5.19	2.87

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	182 %	142 %
Prated	8.18 kW	8.12 kW
SCOP	4.63	3.63
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.2 kW	7.3 kW
COP Tj = -7°C	2.72	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.7 kW	4.6 kW
COP Tj = +2°C	4.56	3.6
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3 kW	3 kW
COP Tj = +7°C	6.3	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.2 kW	7.3 kW
COP Tj = Tbiv	2.72	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-801HW-E / HWT-1101F21ST9W-E

Configure model	
Model name	HWT-801HW-E / HWT-1101F21ST9W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
El input	1.54 kW	3.47 kW
COP	5.19	2.87

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	182 %	142 %
Prated	8.18 kW	8.12 kW
SCOP	4.63	3.63
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.2 kW	7.3 kW
COP Tj = -7°C	2.72	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.7 kW	4.6 kW
COP Tj = +2°C	4.56	3.6
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3 kW	3 kW
COP Tj = +7°C	6.3	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.2 kW	7.3 kW
COP Tj = Tbiv	2.72	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-801HW-E / HWT-1101F21MT9W-E

Configure model	
Model name	HWT-801HW-E / HWT-1101F21MT9W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
El input	1.54 kW	3.47 kW
COP	5.19	2.87

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	182 %	142 %
Prated	8.18 kW	8.12 kW
SCOP	4.63	3.63
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.2 kW	7.3 kW
COP Tj = -7°C	2.72	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.7 kW	4.6 kW
COP Tj = +2°C	4.56	3.6
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3 kW	3 kW
COP Tj = +7°C	6.3	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.2 kW	7.3 kW
COP Tj = Tbiv	2.72	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-801HRW-E / HWT-1101F21SM3W-E

Configure model	
Model name	HWT-801HRW-E / HWT-1101F21SM3W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
El input	1.54 kW	3.47 kW
COP	5.19	2.87

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	182 %	142 %
Prated	8.18 kW	8.12 kW
SCOP	4.63	3.63
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.2 kW	7.3 kW
COP Tj = -7°C	2.72	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.7 kW	4.6 kW
COP Tj = +2°C	4.56	3.6
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3 kW	3 kW
COP Tj = +7°C	6.3	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.2 kW	7.3 kW
COP Tj = Tbiv	2.72	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-801HRW-E / HWT-1101F21MM3W-E

Configure model	
Model name	HWT-801HRW-E / HWT-1101F21MM3W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
El input	1.54 kW	3.47 kW
COP	5.19	2.87

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	182 %	142 %
Prated	8.18 kW	8.12 kW
SCOP	4.63	3.63
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.2 kW	7.3 kW
COP Tj = -7°C	2.72	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.7 kW	4.6 kW
COP Tj = +2°C	4.56	3.6
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3 kW	3 kW
COP Tj = +7°C	6.3	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.2 kW	7.3 kW
COP Tj = Tbiv	2.72	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-801HRW-E / HWT-1101F21ST6W-E

Configure model	
Model name	HWT-801HRW-E / HWT-1101F21ST6W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
El input	1.54 kW	3.47 kW
COP	5.19	2.87

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	182 %	142 %
Prated	8.18 kW	8.12 kW
SCOP	4.63	3.63
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.2 kW	7.3 kW
COP Tj = -7°C	2.72	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.7 kW	4.6 kW
COP Tj = +2°C	4.56	3.6
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3 kW	3 kW
COP Tj = +7°C	6.3	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.2 kW	7.3 kW
COP Tj = Tbiv	2.72	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-801HRW-E / HWT-1101F21MT6W-E

Configure model	
Model name	HWT-801HRW-E / HWT-1101F21MT6W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
El input	1.54 kW	3.47 kW
COP	5.19	2.87

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	182 %	142 %
Prated	8.18 kW	8.12 kW
SCOP	4.63	3.63
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.2 kW	7.3 kW
COP Tj = -7°C	2.72	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.7 kW	4.6 kW
COP Tj = +2°C	4.56	3.6
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3 kW	3 kW
COP Tj = +7°C	6.3	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.2 kW	7.3 kW
COP Tj = Tbiv	2.72	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-801HRW-E / HWT-1101F21ST9W-E

Configure model	
Model name	HWT-801HRW-E / HWT-1101F21ST9W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
El input	1.54 kW	3.47 kW
COP	5.19	2.87

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	182 %	142 %
Prated	8.18 kW	8.12 kW
SCOP	4.63	3.63
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.2 kW	7.3 kW
COP Tj = -7°C	2.72	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.7 kW	4.6 kW
COP Tj = +2°C	4.56	3.6
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3 kW	3 kW
COP Tj = +7°C	6.3	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.2 kW	7.3 kW
COP Tj = Tbiv	2.72	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-801HRW-E / HWT-1101F21MT9W-E

Configure model	
Model name	HWT-801HRW-E / HWT-1101F21MT9W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8 kW	9.96 kW
El input	1.54 kW	3.47 kW
COP	5.19	2.87

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	182 %	142 %
Prated	8.18 kW	8.12 kW
SCOP	4.63	3.63
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.2 kW	7.3 kW
COP Tj = -7°C	2.72	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.7 kW	4.6 kW
COP Tj = +2°C	4.56	3.6
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3 kW	3 kW
COP Tj = +7°C	6.3	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.2 kW	7.3 kW
COP Tj = Tbiv	2.72	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.42 kW
Annual energy consumption Qhe	3655 kWh	4675 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-1101HW-E / HWT-1101F21SM3W-E

Configure model	
Model name	HWT-1101HW-E / HWT-1101F21SM3W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11 kW	10.17 kW
El input	2.39 kW	3.62 kW
COP	4.6	2.81

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.9 kW	7.3 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.9 kW	4.5 kW
COP Tj = +2°C	4.5	3.58
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3.1 kW	3 kW
COP Tj = +7°C	6.23	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.9 kW	7.3 kW
COP Tj = Tbiv	2.59	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.7 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.23 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-1101HW-E / HWT-1101F21MM3W-E

Configure model	
Model name	HWT-1101HW-E / HWT-1101F21MM3W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11 kW	10.17 kW
El input	2.39 kW	3.62 kW
COP	4.6	2.81

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.9 kW	7.3 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.9 kW	4.5 kW
COP Tj = +2°C	4.5	3.58
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3.1 kW	3 kW
COP Tj = +7°C	6.23	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.9 kW	7.3 kW
COP Tj = Tbiv	2.59	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.7 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-1101HW-E / HWT-1101F21ST6W-E

Configure model	
Model name	HWT-1101HW-E / HWT-1101F21ST6W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11 kW	10.17 kW
El input	2.39 kW	3.62 kW
COP	4.6	2.81

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.9 kW	7.3 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.9 kW	4.5 kW
COP Tj = +2°C	4.5	3.58
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3.1 kW	3 kW
COP Tj = +7°C	6.23	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.9 kW	7.3 kW
COP Tj = Tbiv	2.59	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.7 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-1101HW-E / HWT-1101F21MT6W-E

Configure model	
Model name	HWT-1101HW-E / HWT-1101F21MT6W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11 kW	10.17 kW
El input	2.39 kW	3.62 kW
COP	4.6	2.81

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.9 kW	7.3 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.9 kW	4.5 kW
COP Tj = +2°C	4.5	3.58
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3.1 kW	3 kW
COP Tj = +7°C	6.23	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.9 kW	7.3 kW
COP Tj = Tbiv	2.59	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.7 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-1101HW-E / HWT-1101F21ST9W-E

Configure model	
Model name	HWT-1101HW-E / HWT-1101F21ST9W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11 kW	10.17 kW
El input	2.39 kW	3.62 kW
COP	4.6	2.81

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.9 kW	7.3 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.9 kW	4.5 kW
COP Tj = +2°C	4.5	3.58
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3.1 kW	3 kW
COP Tj = +7°C	6.23	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.9 kW	7.3 kW
COP Tj = Tbiv	2.59	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.7 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-1101HW-E / HWT-1101F21MT9W-E

Configure model	
Model name	HWT-1101HW-E / HWT-1101F21MT9W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11 kW	10.17 kW
El input	2.39 kW	3.62 kW
COP	4.6	2.81

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.9 kW	7.3 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.9 kW	4.5 kW
COP Tj = +2°C	4.5	3.58
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3.1 kW	3 kW
COP Tj = +7°C	6.23	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.9 kW	7.3 kW
COP Tj = Tbiv	2.59	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.7 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-1101HRW-E / HWT-1101F21SM3W-E

Configure model	
Model name	HWT-1101HRW-E / HWT-1101F21SM3W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11 kW	10.17 kW
El input	2.39 kW	3.62 kW
COP	4.6	2.81

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.9 kW	7.3 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.9 kW	4.5 kW
COP Tj = +2°C	4.5	3.58
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3.1 kW	3 kW
COP Tj = +7°C	6.23	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.9 kW	7.3 kW
COP Tj = Tbiv	2.59	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.7 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-1101HRW-E / HWT-1101F21MM3W-E

Configure model	
Model name	HWT-1101HRW-E / HWT-1101F21MM3W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11 kW	10.17 kW
El input	2.39 kW	3.62 kW
COP	4.6	2.81

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.9 kW	7.3 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.9 kW	4.5 kW
COP Tj = +2°C	4.5	3.58
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3.1 kW	3 kW
COP Tj = +7°C	6.23	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.9 kW	7.3 kW
COP Tj = Tbiv	2.59	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.7 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-1101HRW-E / HWT-1101F21ST6W-E

Configure model	
Model name	HWT-1101HRW-E / HWT-1101F21ST6W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11 kW	10.17 kW
El input	2.39 kW	3.62 kW
COP	4.6	2.81

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.9 kW	7.3 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.9 kW	4.5 kW
COP Tj = +2°C	4.5	3.58
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3.1 kW	3 kW
COP Tj = +7°C	6.23	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.9 kW	7.3 kW
COP Tj = Tbiv	2.59	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.7 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-1101HRW-E / HWT-1101F21MT6W-E

Configure model	
Model name	HWT-1101HRW-E / HWT-1101F21MT6W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11 kW	10.17 kW
El input	2.39 kW	3.62 kW
COP	4.6	2.81

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.9 kW	7.3 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	4.9 kW	4.5 kW
COP Tj = +2°C	4.5	3.58
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	3.1 kW	3 kW
COP Tj = +7°C	6.23	4.75
Cdh Tj = +7 °C	0.9	0.92

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.3 kW	2.3 kW
COP Tj = 12°C	8.4	7
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.9 kW	7.3 kW
COP Tj = Tbiv	2.59	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.7 kW	6.7 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.8	0.9
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-1101HRW-E / HWT-1101F21ST9W-E

Configure model	
Model name	HWT-1101HRW-E / HWT-1101F21ST9W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11 kW	10.17 kW
El input	2.39 kW	3.62 kW
COP	4.6	2.81

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.90 kW	7.30 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.980	0.990
Pdh Tj = +2°C	4.90 kW	4.50 kW
COP Tj = +2°C	4.50	3.58
Cdh Tj = +2 °C	0.950	0.960
Pdh Tj = +7°C	3.10 kW	3.00 kW
COP Tj = +7°C	6.23	4.75
Cdh Tj = +7 °C	0.900	0.920

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.30 kW	2.30 kW
COP Tj = 12°C	8.40	7.00
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.90 kW	7.30 kW
COP Tj = Tbiv	2.59	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.70 kW	6.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.800	0.900
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l

Model: HWT-1101HRW-E / HWT-1101F21MT9W-E

Configure model	
Model name	HWT-1101HRW-E / HWT-1101F21MT9W-E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11 kW	10.17 kW
El input	2.39 kW	3.62 kW
COP	4.6	2.81

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	179 %	142 %
Prated	8.93 kW	8.27 kW
SCOP	4.55	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.90 kW	7.30 kW
COP Tj = -7°C	2.59	2.12
Cdh Tj = -7 °C	0.980	0.990
Pdh Tj = +2°C	4.90 kW	4.50 kW
COP Tj = +2°C	4.50	3.58
Cdh Tj = +2 °C	0.950	0.960
Pdh Tj = +7°C	3.10 kW	3.00 kW
COP Tj = +7°C	6.23	4.75
Cdh Tj = +7 °C	0.900	0.920

This information was generated by the HP KEYMARK database on 23 Jun 2022

Pdh Tj = 12°C	2.30 kW	2.30 kW
COP Tj = 12°C	8.40	7.00
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.90 kW	7.30 kW
COP Tj = Tbiv	2.59	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.70 kW	6.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.800	0.900
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	49 W	49 W
PSB	7 W	7 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.38 kW	1.57 kW
Annual energy consumption Qhe	4054 kWh	4728 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	130 %
COP	3.12
Heating up time	1:05 h:min
Standby power input	45.0 W
Reference hot water temperature	49.7 °C
Mixed water at 40°C	220 l