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Summary of	Aquarea Split 9-12 kW T-CAP (H Series)	Reg. No.	011-1W0511
Certificate Holder			
Name	Panasonic Marketing Europe GmbH		
Address	Hagenauer Strasse 43, Wiesbaden	Zip	65203
City	Wiesbaden	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	Aquarea Split 9-12 kW T-CAP (H Series)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.85 kg		
Certification Date	09.11.2021		
Testing basis	HP KEYMARK certification scheme rules rev. 9		

# Model: WH-ADC1216H6E5 / WH-UX09HE5

Configure model	
Model name	WH-ADC1216H6E5 / WH-UX09HE5
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	9.00 kW	9.00 kW
El input	1.86 kW	3.06 kW
COP	4.84	2.94

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	46 dB(A)	46 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	181 %	130 %
Prated	9.00 kW	9.00 kW
SCOP	4.59	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.50 kW	7.70 kW
COP Tj = -7°C	2.75	2.11
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.70 kW	4.80 kW
COP Tj = +2°C	4.57	3.24
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.00 kW	4.60 kW
COP Tj = +7°C	5.89	4.17
Cdh Tj = +7 °C	0.990	0.990

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Pdh Tj = 12°C	6.10 kW	5.50 kW
COP Tj = 12°C	7.67	5.74
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	9.00 kW	8.70 kW
COP Tj = Tbiv	2.71	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	8.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	2.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	4049 kWh	5596 kWh

## Domestic Hot Water (DHW)

### Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	95 %
COP	2.37
Heating up time	0:58 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	256 l

## Model: WH-ADC1216H6E5C / WH-UX09HE5

Configure model	
Model name	WH-ADC1216H6E5C / WH-UX09HE5
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	9.00 kW	9.00 kW
El input	1.86 kW	3.06 kW
COP	4.84	2.94

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	46 dB(A)	46 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	181 %	130 %
Prated	9.00 kW	9.00 kW
SCOP	4.59	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.50 kW	7.70 kW
COP Tj = -7°C	2.75	2.11
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.70 kW	4.80 kW
COP Tj = +2°C	4.57	3.24
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.00 kW	4.60 kW
COP Tj = +7°C	5.89	4.17
Cdh Tj = +7 °C	0.990	0.990

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Pdh Tj = 12°C	6.10 kW	5.50 kW
COP Tj = 12°C	7.67	5.74
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	9.00 kW	8.70 kW
COP Tj = Tbiv	2.71	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	8.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	2.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	4049 kWh	5596 kWh

## Domestic Hot Water (DHW)

### Average Climate



<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	92 %
COP	2.31
Heating up time	54 h:min
Standby power input	39.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	228 l

## Model: WH-SXC09H3E5 / WH-UX09HE5

Configure model	
Model name	WH-SXC09H3E5 / WH-UX09HE5
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	n/a

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	9.00 kW
El input	1.86 kW	3.06 kW
COP	4.84	2.94

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	46 dB(A)	46 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	181 %	130 %
Prated	9.00 kW	9.00 kW
SCOP	4.59	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.50 kW	7.70 kW
COP Tj = -7°C	2.75	2.11
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.70 kW	4.80 kW
COP Tj = +2°C	4.57	3.24
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.00 kW	4.60 kW
COP Tj = +7°C	5.89	4.17
Cdh Tj = +7 °C	0.990	0.990

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Pdh Tj = 12°C	6.10 kW	5.50 kW
COP Tj = 12°C	7.67	5.74
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	9.00 kW	8.70 kW
COP Tj = Tbiv	2.71	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	8.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	2.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	4049 kWh	5596 kWh

# Model: WH-ADC0916H9E8 / WH-UX09HE8

Configure model	
Model name	WH-ADC0916H9E8 / WH-UX09HE8
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	9.00 kW
El input	1.86 kW	3.06 kW
COP	4.84	2.94

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	46 dB(A)	46 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	181 %	130 %
Prated	9.00 kW	9.00 kW
SCOP	4.59	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.50 kW	7.70 kW
COP Tj = -7°C	2.75	2.11
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.70 kW	4.80 kW
COP Tj = +2°C	4.57	3.24
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.00 kW	4.60 kW
COP Tj = +7°C	5.89	4.17
Cdh Tj = +7 °C	0.990	0.990

This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = 12°C	6.10 kW	5.50 kW
COP Tj = 12°C	7.67	5.74
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	9.00 kW	8.70 kW
COP Tj = Tbiv	2.71	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	8.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	2.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	4049 kWh	5596 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	95 %
COP	2.37
Heating up time	0:58 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	256 l



# Model: WH-ADC0916H9E8AN / WH-UX09HE8

Configure model	
Model name	WH-ADC0916H9E8AN / WH-UX09HE8
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	9.00 kW
El input	1.86 kW	3.06 kW
COP	4.84	2.94

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	46 dB(A)	46 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	181 %	130 %
Prated	9.00 kW	9.00 kW
SCOP	4.59	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.50 kW	7.70 kW
COP Tj = -7°C	2.75	2.11
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.70 kW	4.80 kW
COP Tj = +2°C	4.57	3.24
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.00 kW	4.60 kW
COP Tj = +7°C	5.89	4.17
Cdh Tj = +7 °C	0.990	0.990

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Pdh Tj = 12°C	6.10 kW	5.50 kW
COP Tj = 12°C	7.67	5.74
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	9.00 kW	8.70 kW
COP Tj = Tbiv	2.71	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	8.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	2.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	4049 kWh	5596 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	95 %
COP	2.37
Heating up time	0:58 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	256 l

## Model: WH-ADC0916H9E8 / WH-UQ09HE8

Configure model	
Model name	WH-ADC0916H9E8 / WH-UQ09HE8
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	9.00 kW
El input	1.86 kW	3.06 kW
COP	4.84	2.94

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	46 dB(A)	46 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	181 %	130 %
Prated	9.00 kW	9.00 kW
SCOP	4.59	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.50 kW	7.70 kW
COP Tj = -7°C	2.75	2.11
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.70 kW	4.80 kW
COP Tj = +2°C	4.57	3.24
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.00 kW	4.60 kW
COP Tj = +7°C	5.89	4.17
Cdh Tj = +7 °C	0.990	0.990

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Pdh Tj = 12°C	6.10 kW	5.50 kW
COP Tj = 12°C	7.67	5.74
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	9.00 kW	8.70 kW
COP Tj = Tbiv	2.71	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	8.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	2.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	4049 kWh	5596 kWh

## Domestic Hot Water (DHW)

### Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	95 %
COP	2.37
Heating up time	0:58 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	256 l



# Model: WH-ADC0916H9E8AN / WH-UQ09HE8

Configure model	
Model name	WH-ADC0916H9E8AN / WH-UQ09HE8
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	9.00 kW
El input	1.86 kW	3.06 kW
COP	4.84	2.94

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	46 dB(A)	46 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	181 %	130 %
Prated	9.00 kW	9.00 kW
SCOP	4.59	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.50 kW	7.70 kW
COP Tj = -7°C	2.75	2.11
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Pdh Tj = +2°C	4.70 kW	4.80 kW
COP Tj = +2°C	4.57	3.24
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.00 kW	4.60 kW
COP Tj = +7°C	5.89	4.17
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This information was generated by the HP KEYMARK database on 18 Mar 2022

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WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	4049 kWh	5596 kWh

## Domestic Hot Water (DHW)

### Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	95 %
COP	2.37
Heating up time	0:58 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	256 l

# Model: WH-ADC1216H6E5UK / WH-UX09HE5

Configure model	
Model name	WH-ADC1216H6E5UK / WH-UX09HE5
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	9.00 kW	9.00 kW
El input	1.86 kW	3.06 kW
COP	4.84	2.94

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	46 dB(A)	46 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	181 %	130 %
Prated	9.00 kW	9.00 kW
SCOP	4.59	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.50 kW	7.70 kW
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Pdh Tj = +2°C	4.70 kW	4.80 kW
COP Tj = +2°C	4.57	3.24
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.00 kW	4.60 kW
COP Tj = +7°C	5.89	4.17
Cdh Tj = +7 °C	0.990	0.990

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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	8.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	2.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	4049 kWh	5596 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	95 %
COP	2.37
Heating up time	0:58 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	256 l



## Model: WH-SXC09H3E8 / WH-UX09HE8

Configure model	
Model name	WH-SXC09H3E8 / WH-UX09HE8
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	9.00 kW
El input	1.86 kW	3.06 kW
COP	4.84	2.94

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	46 dB(A)	46 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	181 %	130 %
Prated	9.00 kW	9.00 kW
SCOP	4.59	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.50 kW	7.70 kW
COP Tj = -7°C	2.75	2.11
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.70 kW	4.80 kW
COP Tj = +2°C	4.57	3.24
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.00 kW	4.60 kW
COP Tj = +7°C	5.89	4.17
Cdh Tj = +7 °C	0.990	0.990

This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = 12°C	6.10 kW	5.50 kW
COP Tj = 12°C	7.67	5.74
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	9.00 kW	8.70 kW
COP Tj = Tbiv	2.71	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	8.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	2.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	4049 kWh	5596 kWh

## Model: WH-SXC09H3E5 / WH-UQ09HE8

Configure model	
Model name	WH-SXC09H3E5 / WH-UQ09HE8
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	9.00 kW
El input	1.86 kW	3.06 kW
COP	4.84	2.94

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	46 dB(A)	46 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	181 %	130 %
Prated	9.00 kW	9.00 kW
SCOP	4.59	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.50 kW	7.70 kW
COP Tj = -7°C	2.75	2.11
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.70 kW	4.80 kW
COP Tj = +2°C	4.57	3.24
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.00 kW	4.60 kW
COP Tj = +7°C	5.89	4.17
Cdh Tj = +7 °C	0.990	0.990

This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = 12°C	6.10 kW	5.50 kW
COP Tj = 12°C	7.67	5.74
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	9.00 kW	8.70 kW
COP Tj = Tbiv	2.71	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	8.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	2.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	4049 kWh	5596 kWh

# Model: WH-ADC1216H6E5 / WH-UX12HE5

Configure model	
Model name	WH-ADC1216H6E5 / WH-UX12HE5
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	12.00 kW	12.00 kW
El input	2.53 kW	4.16 kW
COP	4.74	2.88

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	46 dB(A)	46 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	170 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.32	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.80 kW
COP Tj = -7°C	2.84	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.96	3.19
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.10 kW	4.70 kW
COP Tj = +7°C	5.93	4.38
Cdh Tj = +7 °C	0.990	0.990



This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = 12°C	6.00 kW	5.70 kW
COP Tj = 12°C	7.88	5.89
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	12.00 kW	11.70 kW
COP Tj = Tbiv	2.56	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	11.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	5745 kWh	7466 kWh

## Domestic Hot Water (DHW)

### Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	95 %
COP	2.37
Heating up time	0:58 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	256 l

# Model: WH-ADC1216H6E5UK / WH-UX12HE5

Configure model	
Model name	WH-ADC1216H6E5UK / WH-UX12HE5
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	12.00 kW	12.00 kW
El input	2.53 kW	4.16 kW
COP	4.74	2.88

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	46 dB(A)	46 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	170 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.32	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.80 kW
COP Tj = -7°C	2.84	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.96	3.19
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.10 kW	4.70 kW
COP Tj = +7°C	5.93	4.38
Cdh Tj = +7 °C	0.990	0.990

This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = 12°C	6.00 kW	5.70 kW
COP Tj = 12°C	7.88	5.89
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	12.00 kW	11.70 kW
COP Tj = Tbiv	2.56	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	11.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	5745 kWh	7466 kWh

## Domestic Hot Water (DHW)

### Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	95 %
COP	2.37
Heating up time	0:58 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	256 l

# Model: WH-ADC1216H6E5C / WH-UX12HE5

Configure model	
Model name	WH-ADC1216H6E5C / WH-UX12HE5
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	12.00 kW	12.00 kW
El input	2.53 kW	4.16 kW
COP	4.74	2.88

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	46 dB(A)	46 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	170 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.32	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.80 kW
COP Tj = -7°C	2.84	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.96	3.19
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.10 kW	4.70 kW
COP Tj = +7°C	5.93	4.38
Cdh Tj = +7 °C	0.990	0.990



This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = 12°C	6.00 kW	5.70 kW
COP Tj = 12°C	7.88	5.89
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	12.00 kW	11.70 kW
COP Tj = Tbiv	2.56	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	11.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	5745 kWh	7466 kWh

## Domestic Hot Water (DHW)

### Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	92 %
COP	2.31
Heating up time	0:54 h:min
Standby power input	39.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	228 l

# Model: WH-ADC0916H9E8 / WH-UQ12HE8

Configure model	
Model name	WH-ADC0916H9E8 / WH-UQ12HE8
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.00 kW	12.00 kW
El input	2.53 kW	4.16 kW
COP	4.74	2.88

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	46 dB(A)	46 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	170 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.32	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.80 kW
COP Tj = -7°C	2.84	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.96	3.19
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.10 kW	4.70 kW
COP Tj = +7°C	5.93	4.38
Cdh Tj = +7 °C	0.990	0.990

This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = 12°C	6.00 kW	5.70 kW
COP Tj = 12°C	7.88	5.89
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	12.00 kW	11.70 kW
COP Tj = Tbiv	2.56	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	11.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	5745 kWh	7466 kWh

## Domestic Hot Water (DHW)

### Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	95 %
COP	2.37
Heating up time	0:58 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	256 l

# Model: WH-ADC0916H9E8AN / WH-UQ12HE8

Configure model	
Model name	WH-ADC0916H9E8AN / WH-UQ12HE8
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.00 kW	12.00 kW
El input	2.53 kW	4.16 kW
COP	4.74	2.88

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	46 dB(A)	46 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	170 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.32	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.80 kW
COP Tj = -7°C	2.84	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.96	3.19
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.10 kW	4.70 kW
COP Tj = +7°C	5.93	4.38
Cdh Tj = +7 °C	0.990	0.990



This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = 12°C	6.00 kW	5.70 kW
COP Tj = 12°C	7.88	5.89
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	12.00 kW	11.70 kW
COP Tj = Tbiv	2.56	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	11.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	5745 kWh	7466 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	95 %
COP	2.37
Heating up time	0:58 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	256 l

## Model: WH-SXC12H6E5 / WH-UX12HE5

Configure model	
Model name	WH-SXC12H6E5 / WH-UX12HE5
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	12.00 kW	12.00 kW
El input	2.53 kW	4.16 kW
COP	4.74	2.88

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	46 dB(A)	46 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	170 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.32	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.80 kW
COP Tj = -7°C	2.84	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.96	3.19
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.10 kW	4.70 kW
COP Tj = +7°C	5.93	4.38
Cdh Tj = +7 °C	0.990	0.990

This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = 12°C	6.00 kW	5.70 kW
COP Tj = 12°C	7.88	5.89
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	12.00 kW	11.70 kW
COP Tj = Tbiv	2.56	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	11.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	5745 kWh	7466 kWh

## Model: WH-SXC12H9E8 / WH-UX12HE8

Configure model	
Model name	WH-SXC12H9E8 / WH-UX12HE8
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.00 kW	12.00 kW
El input	2.53 kW	4.16 kW
COP	4.74	2.88

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	46 dB(A)	46 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	170 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.32	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.80 kW
COP Tj = -7°C	2.84	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.96	3.19
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.10 kW	4.70 kW
COP Tj = +7°C	5.93	4.38
Cdh Tj = +7 °C	0.990	0.990

This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = 12°C	6.00 kW	5.70 kW
COP Tj = 12°C	7.88	5.89
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	12.00 kW	11.70 kW
COP Tj = Tbiv	2.56	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	11.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	5745 kWh	7466 kWh



# Model: WH-ADC0916H9E8 / WH-UX12HE8

Configure model	
Model name	WH-ADC0916H9E8 / WH-UX12HE8
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.00 kW	12.00 kW
El input	2.53 kW	4.16 kW
COP	4.74	2.88

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	46 dB(A)	46 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	170 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.32	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.80 kW
COP Tj = -7°C	2.84	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.96	3.19
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.10 kW	4.70 kW
COP Tj = +7°C	5.93	4.38
Cdh Tj = +7 °C	0.990	0.990

This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = 12°C	6.00 kW	5.70 kW
COP Tj = 12°C	7.88	5.89
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	12.00 kW	11.70 kW
COP Tj = Tbiv	2.56	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	11.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	5745 kWh	7466 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	95 %
COP	2.37
Heating up time	0:58 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	256 l

# Model: WH-ADC0916H9E8AN / WH-UX12HE8

Configure model	
Model name	WH-ADC0916H9E8AN / WH-UX12HE8
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.00 kW	12.00 kW
El input	2.53 kW	4.16 kW
COP	4.74	2.88

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	46 dB(A)	46 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	170 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.32	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.80 kW
COP Tj = -7°C	2.84	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.96	3.19
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.10 kW	4.70 kW
COP Tj = +7°C	5.93	4.38
Cdh Tj = +7 °C	0.990	0.990

This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = 12°C	6.00 kW	5.70 kW
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Cdh Tj = +12 °C	0.980	0.990
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COP Tj = Tbiv	2.56	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	11.70 kW
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WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	5745 kWh	7466 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	95 %
COP	2.37
Heating up time	0:58 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	256 l



## Model: WH-SQC12H9E8 / WH-UQ12HE8

Configure model	
Model name	WH-SQC12H9E8 / WH-UQ12HE8
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.00 kW	12.00 kW
El input	2.53 kW	4.16 kW
COP	4.74	2.88

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	46 dB(A)	46 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	170 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.32	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
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Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.96	3.19
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.10 kW	4.70 kW
COP Tj = +7°C	5.93	4.38
Cdh Tj = +7 °C	0.990	0.990

This information was generated by the HP KEYMARK database on 18 Mar 2022

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Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	12.00 kW	11.70 kW
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WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	5745 kWh	7466 kWh