

Certificate Holder	Panasonic Marketing Europe GmbH
Address	Hagenauer Strasse 43, Wiesbaden
ZIP	65203
City	Wiesbaden
Country	DE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Aquarea Split 9-12 kW T-CAP (H Series)
Registration number	011-1W0511
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-UX09HE	5
Model name	WH-ADC1216H6E5 / WH-UX09HE5
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
General data	
	12201/ 5011-
Power supply	1x230V 50Hz
Off-peak product	n/a
Outdoor Air/Water	
EN 16147   Average Climate	
Declared load profile	L
Efficiency ηDHW	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	
Model name	WH-ADC1216H6E5C / WH-UX09HE5
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
General data	
Power supply	1x230V 50Hz
Off-peak product	n/a
Outdoor Air/Water EN 16147   Average Climate	
Declared load profile	L
Efficiency ηDHW	92 %
СОР	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 I



Model WH-SXC09H3E5 / WH-UX09HE5		
Model name	WH-SXC09H3E5 / WH-UX09F	HE5
Application	Heating (medium temp)	
Units	Indoor, Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	
Any additional heat sources	n/a	
General data		
Power supply	n/a	
Off-peak product	n/a	
Outdoor Air/Water		
EN 14511-4   Heating		
	naccod	
Shutting off the heat transfer medium flow	•	
Complete power supply failure  Defrost test	passed passed	
Starting and operating test	passed	
Starting and operating test	passeu	
EN 12102-1   Average Climate		
	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   Average Climate		
	Low temperature	Medium temperature
ης	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
$COP Tj = -7^{\circ}C$	2.75	2.11
Cdh Tj = $-7$ °C	1.000	1.000
Pdh Tj = $+2$ °C	4.70 kW	4.80 kW
$COP Tj = +2^{\circ}C$	4.57	3.24
Cdh Tj = +2 °C	0.990	0.990
$Pdh Tj = +7^{\circ}C$	5.00 kW	4.60 kW
$COP Tj = +7^{\circ}C$	5.89	4.17
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.10 kW	5.50 kW
$COP Tj = 12^{\circ}C$	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



Nodel WH-ADC0916H9E8 / WH-UX09HE8	
1odel name	WH-ADC0916H9E8 / WH-UX09HE8
pplication	Heating + DHW + low temp
Inits	Indoor, Outdoor
limate zone (for heating)	n/a
eversibility	Yes
Cooling mode application (optional)	n/a
ny additional heat sources	n/a
Seneral data	
ower supply	3x400V 50Hz
off-peak product	n/a
Outdoor Air/Water	
N 16147   Average Climate	
Peclared load profile	L
fficiency ηDHW	95 %
OP	2.37
leating up time	0:58 h:min
tandby power input	42.0 W
eference hot water temperature	52.7 °C
lixed water at 40°C	256 l
tandby power input eference hot water temperature	42.0 W 52.7 °C



Model WH-ADC0916H9E8AN / WH-UX09H	E8
Model name	WH-ADC0916H9E8AN / WH-UX09HE8
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
General data	
Power supply	3x400V 50Hz
Off-peak product	n/a
Outdoor Air/Water	
EN 16147   Average Climate	
Declared load profile	L
Efficiency ηDHW	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	
Model name	WH-ADC0916H9E8 / WH-UQ09HE8
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
General data	
Power supply	3x400V 50Hz
Off-peak product	n/a
Outdoor Air/Water	
EN 16147   Average Climate	
Declared load profile	L
Efficiency ηDHW	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-UQ09	9HE8
Model name	WH-ADC0916H9E8AN / WH-UQ09HE8
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
General data	
Power supply	3x400V 50Hz
Off-peak product	n/a
Outdoor Air/Water	
EN 16147   Average Climate	
Declared load profile	L
Efficiency ηDHW	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



Model WH-ADC1216H6E5UK / WH-UX09HE	5
Model name	WH-ADC1216H6E5UK / WH-UX09HE5
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
General data	
Power supply	1x230V 50Hz
Off-peak product	n/a
Outdoor Air/Water	
EN 16147   Average Climate	
Declared load profile	L
Efficiency ηDHW	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 I



Model WH-SXC09H3E8 / WH-UX09HE8			
Model name	WH-SXC09H3E8 / WH-UX09H	IE8	
Application	Heating (medium temp)		
Units	Indoor, Outdoor		
Climate zone (for heating)	n/a		
Reversibility	Yes		
Cooling mode application (optional)	n/a		
Any additional heat sources	n/a		
General data			
Power supply	3x400V 50Hz		
Off-peak product	n/a		
Outdoor Air/Water			
EN 14511-4   Heating			
	unanad .		
Shutting off the heat transfer medium flow Complete power supply failure	passed passed		
Defrost test	passed		
Starting and operating test	passed		
Starting and operating test	passed		
EN 12102-1   Average Climate			
	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   Average Climate			
	Low temperature	Medium temperature	
ης	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	
$COP Tj = -7^{\circ}C$	2.75	2.11	
Cdh Tj = $-7$ °C	1.000	1.000	
$Pdh Tj = +2^{\circ}C$	4.70 kW	4.80 kW	
$COP Tj = +2^{\circ}C$	4.57	3.24	
Cdh Tj = +2 °C	0.990	0.990	
$Pdh Tj = +7^{\circ}C$	5.00 kW	4.60 kW	
$COP Tj = +7^{\circ}C$	5.89	4.17	
Cdh Tj = +7 °C	0.990	0.990	
$Pdh Tj = 12^{\circ}C$	6.10 kW	5.50 kW	
$COP Tj = 12^{\circ}C$	7.67	5.74	
Cdh Tj = +12 °C	0.980	0.990	
Pdh Tj = Tbiv	9.00 kW	8.70 kW	



2.71	2.00
9.00 kW	8.70 kW
2.71	2.00
0.900	0.900
55 °C	55 °C
3 W	3 W
12 W	12 W
12 W	12 W
33 W	33 W
Electricity	Electricity
0.00 kW	0.30 kW
4049 kWh	5596 kWh
	9.00 kW  2.71  0.900  55 °C  3 W  12 W  12 W  33 W  Electricity  0.00 kW



Model name         WH-SXC09H3E5 / WH-UQ09HE8           Application         Heating (medium temp)           Units         Indoor, Outdoor           Climate zone (for heating)         n/a           Reversibility         Yes           Cooling mode application (optional)         n/a           Any additional heat sources         n/a           General data           Power supply           3x400V 50Hz           Off-peak product           0utdoor Air/Water           EN 14511-4   Heating           Shutting off the heat transfer medium flow passed           Complete power supply failure         passed           Defrost test         passed           EN 12102-1   Average Climate           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   Average Climate           Low temperature         Medium temperature           Is 181 %         130 %           Prated         9.00 kW         9.00 kW <td colspan<="" th=""><th>Model WH-SXC09H3E5 / WH-UQ09HE8</th><th></th><th></th></td>	<th>Model WH-SXC09H3E5 / WH-UQ09HE8</th> <th></th> <th></th>	Model WH-SXC09H3E5 / WH-UQ09HE8		
Units   Indoor, Outdoor   Climate zone (for heating)   n/a	Model name	WH-SXC09H3E5 / WH-UQ09H	IE8	
Climate zone (for heating)   n/a   Reversibility   Yes	Application	Heating (medium temp)		
Reversibility         Yes           Cooling mode application (optional)         n/a           Any additional heat sources         n/a           General data           Power supply           Off-peak product         n/a           Outdoor Air/Water           EN 14511-4   Heating         Shutting off the heat transfer medium flow passed           Complete power supply failure         passed           Defrost test         passed           Starting and operating test         Description of the heat transfer medium flow passed           EN 12102-1   Average Climate         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   Average Climate         Low temperature         Medium temperature           ns         181 %         130 %           Prated         9.00 kW         9.00 kW         9.00 kW           SCOP         4.59         3.32           Tbiv         -10 °C         -10 °C	Units	Indoor, Outdoor		
Cooling mode application (optional)         n/a           Any additional heat sources         n/a           General data         Power supply           Off-peak product         n/a           Outdoor Air/Water         EN 14511-4   Heating           Shutting off the heat transfer medium flow Complete power supply failure         passed           Complete power supply failure         passed           Defrost test         passed           EN 12102-1   Average Climate         Low temperature         Medium temperature           Sound power level indoor         46 dB(A)         46 dB(A)         58 dB(A)           Sound power level outdoor         58 dB(A)         58 dB(A)           EN 14825   Average Climate         Low temperature         Medium temperature           ns         181 %         130 %           Prated         9.00 kW         9.00 kW           SCOP         4.59         3.32           Tbiv         -10 °C         -10 °C           TOL         -10 °C         -10 °C           TOL         -10 °C         -10 °C	Climate zone (for heating)	n/a		
Any additional heat sources n/a  General data  Power supply 3x400V 50Hz Off-peak product n/a  Outdoor Air/Water  EN 14511-4   Heating  Shutting off the heat transfer medium flow passed Complete power supply failure passed Defrost test passed Starting and operating test passed  EN 12102-1   Average Climate  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   Average Climate  Low temperature Medium temperature  Nound power level outdoor 58 dB(A) 58 dB(A)  EN 14825   Average Climate  Low temperature Medium temperature  ns 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 1.000 1.000  Pdh Tj = +2°C 4.70 kW 4.80 kW	Reversibility	Yes		
Seneral data   Power supply   3x400V 50Hz	Cooling mode application (optional)	n/a		
Power supply Off-peak product Off-peak product Outdoor Air/Water EN 14511-4   Heating Shutting off the heat transfer medium flow passed Complete power supply failure passed Defrost test passed Starting and operating test passed EN 12102-1   Average Climate  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   Average Climate  Low temperature Medium temperature  ↑ Sound power level outdoor 58 dB(A) 58 dB(A)  EN 14825   Average Climate  Low temperature Medium temperature  ↑ Sound power level outdoor 58 dB(A) 58 dB(A)  EN 14825   Average Climate  Con 10 °C 10 °C 10 °C  TOL 10 °C 10 °C 10 °C  Pdh 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	Any additional heat sources	n/a		
Off-peak product         n/a           Outdoor Air/Water           EN 14511-4   Heating           Shutting off the heat transfer medium flow passed           Complete power supply failure         passed           Defrost test         passed           EN 12102-1   Average Climate           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   Average Climate           Low temperature         Medium temperature           ns         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	General data			
Off-peak product         n/a           Outdoor Air/Water           EN 14511-4   Heating           Shutting off the heat transfer medium flow passed           Complete power supply failure         passed           Defrost test         passed           EN 12102-1   Average Climate           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   Average Climate           Low temperature         Medium temperature           ns         181 %         130 %           Prated         9.00 kW         9.00 kW           SCOP         4.59         3.32           Toiv         -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	Power supply	3x400V 50Hz		
EN 14511-4   Heating  Shutting off the heat transfer medium flow passed Complete power supply failure passed Defrost test passed  Starting and operating test passed  EN 12102-1   Average Climate  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   Average Climate  Low temperature Medium temperature ns 181 % 130 % Prated 9.00 kW 9.00 kW SCOP 4.59 3.32  Tbiv -10 °C -10 °C TOL -10 °C -10 °C  TOL -10 °C  TO		n/a		
Shutting off the heat transfer medium flow passed Complete power supply failure passed Defrost test passed Starting and operating test passed  EN 12102-1   Average Climate  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   Average Climate  Low temperature Medium temperature  ns 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	Outdoor Air/Water			
Complete power supply failure         passed           Defrost test         passed           Starting and operating test         passed           EN 12102-1   Average Climate           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   Average Climate           Low temperature         Medium temperature           ηs         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	EN 14511-4   Heating			
Defrost test         passed           Starting and operating test           EN 12102-1   Average Climate           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   Average Climate         Low temperature         Medium temperature           ηs         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	Shutting off the heat transfer medium flow	passed		
Starting and operating test         passed           EN 12102-1   Average Climate         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   Average Climate         Low temperature         Medium temperature           ηs         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	Complete power supply failure	passed		
EN 12102-1   Average Climate  Low temperature	Defrost test	passed		
Sound power level indoor         46 dB(A)         46 dB(A)           Sound power level outdoor         58 dB(A)         58 dB(A)           EN 14825   Average Climate           Low temperature         Medium temperature           ηs         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	Starting and operating test	passed		
Sound power level indoor       46 dB(A)       46 dB(A)         Sound power level outdoor       58 dB(A)       58 dB(A)         EN 14825   Average Climate         Low temperature       Medium temperature         ηs       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	EN 12102-1   Average Climate			
Sound power level outdoor         58 dB(A)         58 dB(A)           EN 14825   Average Climate         Low temperature         Medium temperature           ηs         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		Low temperature	Medium temperature	
	Sound power level indoor	46 dB(A)	46 dB(A)	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Sound power level outdoor	58 dB(A)	58 dB(A)	
ηs181 %130 %Prated9.00 kW9.00 kWSCOP4.593.32Tbiv-10 °C-10 °CTOL-10 °C-10 °CPdh Tj = -7 °C8.50 kW7.70 kWCOP Tj = -7 °C2.752.11Cdh Tj = -7 °C1.0001.000Pdh Tj = +2 °C4.70 kW4.80 kW	EN 14825   Average Climate			
Prated $9.00 \text{ kW}$ $9.00 \text{ kW}$ SCOP $4.59$ $3.32$ Tbiv $-10 ^{\circ}\text{C}$ $-10 ^{\circ}\text{C}$ TOL $-10 ^{\circ}\text{C}$ $-10 ^{\circ}\text{C}$ Pdh Tj = $-7 ^{\circ}\text{C}$ $8.50  \text{kW}$ $7.70  \text{kW}$ COP Tj = $-7 ^{\circ}\text{C}$ $2.75$ $2.11$ Cdh Tj = $-7 ^{\circ}\text{C}$ $1.000$ $1.000$ Pdh Tj = $+2 ^{\circ}\text{C}$ $4.70  \text{kW}$ $4.80  \text{kW}$		Low temperature	Medium temperature	
SCOP $4.59$ $3.32$ Tbiv $-10  ^{\circ}\text{C}$ $-10  ^{\circ}\text{C}$ TOL $-10  ^{\circ}\text{C}$ $-10  ^{\circ}\text{C}$ Pdh Tj = $-7  ^{\circ}\text{C}$ $8.50  \text{kW}$ $7.70  \text{kW}$ COP Tj = $-7  ^{\circ}\text{C}$ $2.75$ $2.11$ Cdh Tj = $-7  ^{\circ}\text{C}$ $1.000$ $1.000$ Pdh Tj = $+2  ^{\circ}\text{C}$ $4.70  \text{kW}$ $4.80  \text{kW}$	ης	181 %	130 %	
Tbiv-10 °C-10 °CTOL-10 °C-10 °CPdh Tj = -7 °C $8.50 \text{ kW}$ $7.70 \text{ kW}$ COP Tj = -7 °C $2.75$ $2.11$ Cdh Tj = -7 °C $1.000$ $1.000$ Pdh Tj = +2 °C $4.70 \text{ kW}$ $4.80 \text{ kW}$	Prated	9.00 kW	9.00 kW	
TOL-10 °C-10 °CPdh Tj = -7°C $8.50 \text{ kW}$ $7.70 \text{ kW}$ COP Tj = -7°C $2.75$ $2.11$ Cdh Tj = -7 °C $1.000$ $1.000$ Pdh Tj = $+2$ °C $4.70 \text{ kW}$ $4.80 \text{ kW}$	SCOP	4.59	3.32	
Pdh Tj = -7°C $8.50 \text{ kW}$ $7.70 \text{ kW}$ COP Tj = -7°C $2.75$ $2.11$ Cdh Tj = -7 °C $1.000$ $1.000$ Pdh Tj = $+2$ °C $4.70 \text{ kW}$ $4.80 \text{ kW}$	Tbiv	-10 °C	-10 °C	
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	TOL	-10 °C	-10 °C	
Cdh Tj = -7 °C       1.000         Pdh Tj = $+2$ °C       4.70 kW         4.80 kW	Pdh Tj = $-7$ °C	8.50 kW	7.70 kW	
Pdh Tj = $+2^{\circ}$ C 4.70 kW 4.80 kW	$COP Tj = -7^{\circ}C$	2.75	2.11	
	Cdh Tj = -7 °C	1.000	1.000	
	Pdh Tj = $+2$ °C	4.70 kW	4.80 kW	
COP Tj = $+2^{\circ}$ C 4.57 3.24	$COP Tj = +2^{\circ}C$	4.57	3.24	
Cdh Tj = $+2$ °C 0.990 0.990	Cdh Tj = +2 °C	0.990	0.990	
Pdh Tj = $+7^{\circ}$ C 5.00 kW 4.60 kW	Pdh $Tj = +7$ °C	5.00 kW	4.60 kW	
$COP Tj = +7^{\circ}C$ 5.89 4.17	$COP Tj = +7^{\circ}C$	5.89	4.17	
Cdh Tj = $+7$ °C 0.990 0.990	Cdh Tj = $+7$ °C	0.990	0.990	
Pdh Tj = $12^{\circ}$ C 6.10 kW 5.50 kW	Pdh Tj = 12°C	6.10 kW	5.50 kW	
$COP Tj = 12^{\circ}C$ 7.67 5.74	COP Tj = 12°C	7.67	5.74	
Cdh Tj = $+12$ °C 0.980 0.990	Cdh Tj = +12 °C	0.980	0.990	
Pdh Tj = Tbiv $9.00 \text{ kW}$ $8.70 \text{ kW}$	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



WH-ADC1216H6E5 / WH-UX12HE5
Heating + DHW + low temp
Indoor, Outdoor
n/a
Yes
n/a
n/a
1x230V 50Hz
n/a
L
95 %
2.37
0:58 h:min
42.0 W
52.7 °C
256 l



Model WH-ADC1216H6E5UK / WH-UX12H	E5
Model name	WH-ADC1216H6E5UK / WH-UX12HE5
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
General data	
Power supply	1x230V 50Hz
Off-peak product	n/a
Outdoor Air/Water EN 16147   Average Climate	
Declared load profile	L
Efficiency ηDHW	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-UX12H	IE5
Model name	WH-ADC1216H6E5C / WH-UX12HE5
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
General data	
Power supply	1x230V 50Hz
Off-peak product	n/a
Outdoor Air/Water EN 16147   Average Climate	
Declared load profile	L
Efficiency ηDHW	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



Model WH-ADC0916H9E8 / WH-UQ12HE8	
Model name	WH-ADC0916H9E8 / WH-UQ12HE8
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
General data	
Power supply	3x400V 50Hz
Off-peak product	n/a
Outdoor Air/Water	
EN 16147   Average Climate	
Declared load profile	L
Efficiency ηDHW	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-UQ12H	IE8
Model name	WH-ADC0916H9E8AN / WH-UQ12HE8
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
General data	
Power supply	3x400V 50Hz
Off-peak product	n/a
Outdoor Air/Water	
EN 16147   Average Climate	
Declared load profile	L
Efficiency ηDHW	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		
Model name	WH-SXC12H6E5 / WH-UX12H	HE5
Application	Heating (medium temp)	
Units	Indoor, Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	
Any additional heat sources	n/a	
General data		
Power supply	1x230V 50Hz	
Off-peak product	n/a	
Outdoor Air/Water		
EN 14511-4   Heating		
Shutting off the heat transfer medium flow	•	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	
EN 12102-1   Average Climate		
	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   Average Climate		
	Low temperature	Medium temperature
ης	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 = $-7^{\circ}$ C	10.70 kW	10.80 kW
$COP Tj = -7^{\circ}C$	2.84	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = $+2^{\circ}$ C	6.70 kW	6.10 kW
$COP Tj = +2^{\circ}C$	3.96	3.19
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = $+7^{\circ}$ C	5.10 kW	4.70 kW
$COP Tj = +7^{\circ}C$ $Colb Ti = +7^{\circ}C$	5.93	4.38
Cdh Tj = $+7$ °C Pdh Tj = $12$ °C	0.990 6.00 kW	0.990 5.70 kW
COP Tj = 12°C	7.88	
Cdh Tj = +12 °C $Cdh Tj = +12 °C$	0.980	5.89 0.990
Pdh Tj = Tbiv	12.00 kW	11.70 kW
Turi ij — Turv	IZ.UU NVV	II./U NVV



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		
Model name	WH-SXC12H9E8 / WH-UX12H	HE8
Application	Heating (medium temp)	
Units	Indoor, Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	
Any additional heat sources	n/a	
General data		
Power supply	3x400V 50Hz	
Off-peak product	n/a	
Outdoor Air/Water		
EN 14511-4   Heating		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	
EN 12102-1   Average Climate		
	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   Average Climate		
	Low temperature	Medium temperature
ης	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
$COP Tj = -7^{\circ}C$	2.84	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = $+2$ °C	6.70 kW	6.10 kW
$COP Tj = +2^{\circ}C$	3.96	3.19
Cdh Tj = +2 °C	0.990	0.990
Pdh $Tj = +7$ °C	5.10 kW	4.70 kW
$COP Tj = +7^{\circ}C$	5.93	4.38
Cdh Tj = $+7$ °C	0.990	0.990
Pdh $Tj = 12$ °C	6.00 kW	5.70 kW
COP Tj = 12°C	7.88	5.89
C-II- T: . 12.0C	0.980	0.990
Cdh Tj = +12 °C	0.500	V.500



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	
Model name	WH-ADC0916H9E8 / WH-UX12HE8
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
General data	
Power supply	3x400V 50Hz
Off-peak product	n/a
Outdoor Air/Water EN 16147   Average Climate	
Declared load profile	L
Efficiency ηDHW	95 %
СОР	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			
Model name	WH-ADC0916H9E8AN / WH-UX12HE8		
Application	Heating + DHW + low temp		
Units	Indoor, Outdoor		
Climate zone (for heating)	n/a		
Reversibility	Yes		
Cooling mode application (optional)	n/a		
Any additional heat sources	n/a		
General data			
Power supply	3x400V 50Hz		
Off-peak product	n/a		
Outdoor Air/Water EN 16147   Average Climate			
Declared load profile	L		
Efficiency ηDHW	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			
Model name	WH-SQC12H9E8 / WH-UQ12HE8		
Application	Heating (medium temp)		
Units	Indoor, Outdoor		
Climate zone (for heating)	n/a		
Reversibility	Yes		
Cooling mode application (optional)	n/a		
Any additional heat sources	n/a		
General data			
Power supply	3x400V 50Hz		
Off-peak product	n/a		
Outdoor Air/Water			
EN 14511-4   Heating			
Shutting off the heat transfer medium flow	passed		
Complete power supply failure	passed		
Defrost test	passed		
Starting and operating test	passed		
EN 12102-1   Average Climate			
	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   Average Climate			
	Low temperature	Medium temperature	
ης	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	
$COP Tj = -7^{\circ}C$	2.84	2.03	
Cdh Tj = $-7$ °C	1.000	1.000	
Pdh Tj = $+2$ °C	6.70 kW	6.10 kW	
$COP Tj = +2^{\circ}C$	3.96	3.19	
Cdh Tj = +2 °C	0.990	0.990	
Pdh Tj = $+7^{\circ}$ C	5.10 kW	4.70 kW	
$COP Tj = +7^{\circ}C$	5.93	4.38	
Cdh Tj = +7 °C	0.990	0.990	
Pdh Tj = 12°C	6.00 kW	5.70 kW	
$COP Tj = 12^{\circ}C$	7.88	5.89	
Cdh Tj = $+12$ °C	0.980	0.990	
Pdh Tj = Tbiv	12.00 kW	11.70 kW	



2.56	1.95
12.00 kW	11.70 kW
2.56	1.95
0.900	0.900
55 °C	55 °C
3 W	3 W
12 W	12 W
12 W	12 W
33 W	33 W
Electricity	Electricity
0.00 kW	0.30 kW
5745 kWh	7466 kWh
	12.00 kW  2.56  0.900  55 °C  3 W  12 W  12 W  33 W  Electricity  0.00 kW