

Page 1 of 28

Summary of	Aquarea Split 7 kW STD (J Series)	Reg. No.	011-1W0208	
Certificate Holder				
Name	Panasonic Marketing Europe GmbH	Panasonic Marketing Europe GmbH		
Address	Hagenauer Strasse 43, Wiesbaden	Hagenauer Strasse 43, Wiesbaden Zip 65203		
City	Wiesbaden	Country	Germany	
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH			
Subtype title	Aquarea Split 7 kW STD (J Series)			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass of Refrigerant	1.27 kg			
Certification Date	08.01.2020			
Testing basis	HP KEYMARK certification scheme rules V7			

Model: WH-ADC0309J3E5 / WH-UD07JE5

Configure model		
Model name	WH-ADC0309J3E5 / WH-UD07JE5	
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	

Average Climate

EN 14825		
Low temperature	Medium temperature	
193 %	130 %	
6.00 kW	7.00 kW	
4.90	3.32	
-10 °C	-7 °C	
-10 °C	-10 °C	
5.30 kW	6.30 kW	
3.04	1.86	
0.970	0.990	
3.20 kW	3.80 kW	
4.96	3.33	
0.930	0.960	
	Low temperature 193 % 6.00 kW 4.90 -10 °C -10 °C 5.30 kW 3.04 0.970 3.20 kW 4.96	





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Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.70 kW
$COP Tj = +7^{\circ}C$	6.50	4.52
Cdh Tj = +7 °C	0.900	0.920
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	8.42	6.26
Cdh Tj = +12 °C	0.890	0.910
Pdh Tj = Tbiv	6.00 kW	6.20 kW
COP Tj = Tbiv	2.95	1.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	6.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.95	1.70
WTOL	55 °C	55 °C
Poff	2 W	2 W
РТО	44 W	44 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.80 kW
Annual energy consumption Qhe	2532 kWh	4354 kWh





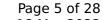
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.00 kW	7.00 kW
El input	1.47 kW	2.48 kW
СОР	4.76	2.82

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

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	120 %
СОР	3.00
Heating up time	1:22 h:min
Standby power input	31.0 W
Reference hot water temperature	52.3 °C
Mixed water at 40°C	234



Model: WH-ADC0309J3E5B / WH-UD07JE5

Configure model		
Model name	WH-ADC0309J3E5B / WH-UD07JE5	
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 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.00 kW	7.00 kW
El input	1.47 kW	2.48 kW
СОР	4.76	2.82





EN 14825

	Low temperature	Medium temperature
η_{S}	193 %	130 %
Prated	6.00 kW	7.00 kW
SCOP	4.90	3.32
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.30 kW	6.30 kW
$COP Tj = -7^{\circ}C$	3.04	1.86
Cdh Tj = -7 °C	0.970	0.990
Pdh Tj = $+2$ °C	3.20 kW	3.80 kW
$COP Tj = +2^{\circ}C$	4.96	3.33
Cdh Tj = +2 °C	0.930	0.960
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.70 kW
$COP Tj = +7^{\circ}C$	6.50	4.52
Cdh Tj = $+7$ °C	0.900	0.920
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	8.42	6.26
Cdh Tj = +12 °C	0.890	0.910
Pdh Tj = Tbiv	6.00 kW	6.20 kW
COP Tj = Tbiv	2.95	1.86
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	6.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.95	1.70
WTOL	55 °C	55 °C
Poff	2 W	2 W
PTO	44 W	44 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.80 kW
Annual energy consumption Qhe	2532 kWh	4354 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	120 %	
СОР	3.00	
Heating up time	1:22 h:min	
Standby power input	31.0 W	
Reference hot water temperature	52.3 °C	
Mixed water at 40°C	234	



Model: WH-ADC0309J3E5AN / WH-UD07JE5

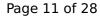
Configure model		
Model name	WH-ADC0309J3E5AN / WH-UD07JE5	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

Heating

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

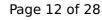
EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.00 kW	7.00 kW
El input	1.47 kW	2.48 kW
СОР	4.76	2.82





EN 14825

	Low temperature	Medium temperature
η_{S}	193 %	130 %
Prated	6.00 kW	7.00 kW
SCOP	4.90	3.32
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.30 kW	6.30 kW
$COP Tj = -7^{\circ}C$	3.04	1.86
Cdh Tj = -7 °C	0.970	0.990
Pdh Tj = $+2$ °C	3.20 kW	3.80 kW
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Cdh Tj = +2 °C	0.930	0.960
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.70 kW
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COP Tj = 12°C	8.42	6.26
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Pdh Tj = Tbiv	6.00 kW	6.20 kW
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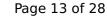




Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	6.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.95	1.70
WTOL	55 °C	55 °C
Poff	2 W	2 W
РТО	44 W	44 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.80 kW
Annual energy consumption Qhe	2532 kWh	4354 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	120 %	
СОР	3.00	
Heating up time	1:22 h:min	
Standby power input	31.0 W	
Reference hot water temperature	52.3 °C	
Mixed water at 40°C	234	



Model: WH-ADC0309J3E5UK / WH-UD07JE5

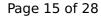
Configure model		
Model name	WH-ADC0309J3E5UK / WH-UD07JE5	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

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

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.00 kW	7.00 kW
El input	1.47 kW	2.48 kW
СОР	4.76	2.82





EN 14825

	Low temperature	Medium temperature
η_{S}	193 %	130 %
Prated	6.00 kW	7.00 kW
SCOP	4.90	3.32
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.30 kW	6.30 kW
$COP Tj = -7^{\circ}C$	3.04	1.86
Cdh Tj = -7 °C	0.970	0.990
Pdh Tj = $+2^{\circ}$ C	3.20 kW	3.80 kW
$COP Tj = +2^{\circ}C$	4.96	3.33
Cdh Tj = +2 °C	0.930	0.960
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.70 kW
$COP Tj = +7^{\circ}C$	6.50	4.52
Cdh Tj = $+7$ °C	0.900	0.920
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	8.42	6.26
Cdh Tj = +12 °C	0.890	0.910
Pdh Tj = Tbiv	6.00 kW	6.20 kW
COP Tj = Tbiv	2.95	1.86





PCK

6.00 kW	6.20 kW
2.95	1.70
55 °C	55 °C
2 W	2 W
44 W	44 W
10 W	10 W
	2.95 55 °C 2 W 44 W

10 W

Electricity

0.00 kW

2532 kWh

10 W

Electricity

0.80 kW

4354 kWh

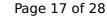
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

Domestic Hot Water (DHW)

Supplementary Heater: Type of energy input

Supplementary Heater: PSUP

Annual energy consumption Qhe





EN 16147		
Declared load profile	L	
Efficiency ηDHW	120 %	
СОР	3.00	
Heating up time	1:22 h:min	
Standby power input	31.0 W	
Reference hot water temperature	52.3 °C	
Mixed water at 40°C	234	



Model: WH-SDC0709J3E5 / WH-UD07JE5

Configure model		
Model name	WH-SDC0709J3E5 / WH-UD07JE5	
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 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

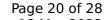
EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.00 kW	7.00 kW
El input	1.47 kW	2.48 kW
СОР	4.76	2.82





EN 14825

	Low temperature	Medium temperature
η_{S}	193 %	130 %
Prated	6.00 kW	7.00 kW
SCOP	4.90	3.32
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.30 kW	6.30 kW
$COP Tj = -7^{\circ}C$	3.04	1.86
Cdh Tj = -7 °C	0.970	0.990
Pdh Tj = $+2^{\circ}$ C	3.20 kW	3.80 kW
$COP Tj = +2^{\circ}C$	4.96	3.33
Cdh Tj = +2 °C	0.930	0.960
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.70 kW
$COP Tj = +7^{\circ}C$	6.50	4.52
Cdh Tj = +7 °C	0.900	0.920
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	8.42	6.26
Cdh Tj = +12 °C	0.890	0.910
Pdh Tj = Tbiv	6.00 kW	6.20 kW
COP Tj = Tbiv	2.95	1.86





Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	6.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.95	1.70
WTOL	55 °C	55 °C
Poff	2 W	2 W
РТО	44 W	44 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.80 kW
Annual energy consumption Qhe	2532 kWh	4354 kWh

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)



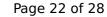
Model: WH-ADC0309J3E5C / WH-UD07JE5

Configure model		
Model name	WH-ADC0309J3E5C / WH-UD07JE5	
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	

Average Climate

EN 14825		
Low temperature	Medium temperature	
193 %	130 %	
6.00 kW	7.00 kW	
4.90	3.32	
-10 °C	-7 °C	
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5.30 kW	6.30 kW	
3.04	1.86	
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3.20 kW	3.80 kW	
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$$\operatorname{\textit{Page}}\xspace$ 22 of 28 This information was generated by the HP KEYMARK database on 18 Mar 2022

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COP Tj = 12°C	8.42	6.26
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Pdh Tj = Tbiv	6.00 kW	6.20 kW
COP Tj = Tbiv	2.95	1.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	6.20 kW
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WTOL	55 °C	55 °C
Poff	2 W	2 W
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PSB	10 W	10 W
РСК	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.80 kW
Annual energy consumption Qhe	2532 kWh	4354 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.00 kW	7.00 kW
El input	1.47 kW	2.48 kW
СОР	4.76	2.82

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

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	L
Efficiency ηDHW	116 %
СОР	2.90
Heating up time	1:01 h:min
Standby power input	39.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	232 I

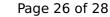
Model: WH-ADC0309J3E5ANC / WH-UD07JE5

Configure model		
Model name	WH-ADC0309J3E5ANC / WH-UD07JE5	
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	

Average Climate

EN 14825		
Low temperature	Medium temperature	
193 %	130 %	
6.00 kW	7.00 kW	
4.90	3.32	
-10 °C	-7 °C	
-10 °C	-10 °C	
5.30 kW	6.30 kW	
3.04	1.86	
0.970	0.990	
3.20 kW	3.80 kW	
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	Low temperature 193 % 6.00 kW 4.90 -10 °C -10 °C 5.30 kW 3.04 0.970 3.20 kW 4.96	





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Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.70 kW
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COP Tj = 12°C	8.42	6.26
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Pdh Tj = Tbiv	6.00 kW	6.20 kW
COP Tj = Tbiv	2.95	1.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	6.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.95	1.70
WTOL	55 °C	55 °C
Poff	2 W	2 W
РТО	44 W	44 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.80 kW
Annual energy consumption Qhe	2532 kWh	4354 kWh



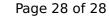
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.00 kW	7.00 kW
El input	1.47 kW	2.48 kW
СОР	4.76	2.82

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

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	116 %
СОР	2.90
Heating up time	1:01 h:min
Standby power input	39.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	232