This information was generated by the HP KEYMARK database on 15 Feb 2021

Summary of	Aquarea Split 7 kW STD (J Series)	Reg. No.	011-1W0208
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 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

General Data	
Power supply	1x230V 50Hz

Average Climate

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°C	3.04	1.86
Cdh	0.970	0.990
Pdh Tj = +2°C	3.20 kW	3.80 kW
COP Tj = +2°C	4.96	3.33
Cdh	0.930	0.960
Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.50	4.52
Cdh	0.900	0.920
Pdh Tj = 12°C	3.40 kW	3.30 kW

COP Tj = 12°C	8.42	6.26
Cdh	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
PTO	44 W	44 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	230V 1ph 50Hz	230V 1ph 50Hz
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
COP	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)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	120 %
COP	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 l

Model: WH-ADC0309J3E5B / WH-UD07JE5

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
COP	4.76	2.82

Average Climate

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°C	3.04	1.86
Cdh	0.970	0.990
Pdh Tj = +2°C	3.20 kW	3.80 kW
COP Tj = +2°C	4.96	3.33
Cdh	0.930	0.960
Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.50	4.52
Cdh	0.900	0.920
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	8.42	6.26
Cdh	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
PTO	44 W	44 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	230V 1ph 50Hz	230V 1ph 50Hz
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)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	120 %
COP	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 l

Model: WH-ADC0309J3E5AN / WH-UD07JE5

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
COP	4.76	2.82

Average Climate

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°C	3.04	1.86
Cdh	0.970	0.990
Pdh Tj = +2°C	3.20 kW	3.80 kW
COP Tj = +2°C	4.96	3.33
Cdh	0.930	0.960
Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.50	4.52
Cdh	0.900	0.920
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	8.42	6.26
Cdh	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
PTO	44 W	44 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	230V 1ph 50Hz	230V 1ph 50Hz
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)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	120 %
COP	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 l

Model: WH-ADC0309J3E5UK / WH-UD07JE5

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
COP	4.76	2.82

Average Climate

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°C	3.04	1.86
Cdh	0.970	0.990
Pdh Tj = +2°C	3.20 kW	3.80 kW
COP Tj = +2°C	4.96	3.33
Cdh	0.930	0.960
Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.50	4.52
Cdh	0.900	0.920
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	8.42	6.26
Cdh	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
PTO	44 W	44 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	230V 1ph 50Hz	230V 1ph 50Hz
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)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	120 %
COP	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 l

Model: WH-SDC0709J3E5 / WH-UD07JE5

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
COP	4.76	2.82

Average Climate

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°C	3.04	1.86
Cdh	0.970	0.990
Pdh Tj = +2°C	3.20 kW	3.80 kW
COP Tj = +2°C	4.96	3.33
Cdh	0.930	0.960
Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.50	4.52
Cdh	0.900	0.920
Pdh Tj = 12°C	3.40 kW	3.30 kW
COP Tj = 12°C	8.42	6.26
Cdh	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
PTO	44 W	44 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	230V 1ph 50Hz	230V 1ph 50Hz
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

General Data	
Power supply	1x230V 50Hz

Average Climate

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°C	3.04	1.86
Cdh	0.970	0.990
Pdh Tj = +2°C	3.20 kW	3.80 kW
COP Tj = +2°C	4.96	3.33
Cdh	0.930	0.960
Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.50	4.52
Cdh	0.900	0.920
Pdh Tj = 12°C	3.40 kW	3.30 kW

COP Tj = 12°C	8.42	6.26
Cdh	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
PTO	44 W	44 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	230V 1ph 50Hz	230V 1ph 50Hz
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
COP	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)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	116 %
COP	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 l

Model: WH-ADC0309J3E5ANC / WH-UD07JE5

General Data	
Power supply	1x230V 50Hz

Average Climate

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°C	3.04	1.86
Cdh	0.970	0.990
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COP Tj = +2°C	4.96	3.33
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Pdh Tj = +7°C	2.90 kW	2.70 kW
COP Tj = +7°C	6.50	4.52
Cdh	0.900	0.920
Pdh Tj = 12°C	3.40 kW	3.30 kW

COP Tj = 12°C	8.42	6.26
Cdh	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
PTO	44 W	44 W
PSB	10 W	10 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	230V 1ph 50Hz	230V 1ph 50Hz
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
COP	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)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	116 %
COP	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 l