

# AQUAREA ALL IN ONE H GENERATION HIGH PERFORMANCE BI-BLOC SINGLE PHASE HEATING AND COOLING

NEW



## Panasonic has developed a highly efficient solution, easy to install

Aquarea All in One is the new generation of Panasonic Heat Pumps for Heating, Cooling and Domestic Hot Water (DHW). This new range intelligently integrates the best Hydrokit technology with a premium quality stainless steel tank, which also comes with a 10 year warranty.

### Technical focus

- **NEW!** Touch Controller
- **NEW!** Indoor Unit
- Space saving: 1.800 x 598 x 717 (H x W x D)
- Reduced installation costs

- Piping at the bottom of the All in One (easy to install)
- Reduced installation time and minimised installation errors
- Easy remote control to set up
- Electrical connections at the front
- Reduced installation spaces
- Easier installation and maintenance
- New remote control functions (cooling mode activation possible by software. This activation can only be done by service partner)

TENTATIVE DATA			Single Phase (Power to indoor)			
Kit			KIT-ADC03HE5-UK <sup>1</sup>	KIT-ADC05HE5-UK <sup>1</sup>	KIT-ADC07HE5-UK <sup>1</sup>	KIT-ADC09HE5-UK <sup>1</sup>
Heating capacity at +7°C (heating water at 35°C)	kW		3.20	5.00	7.00	9.00
COP at +7°C (heating water at 35°C)	W/W		5.00	4.63	4.46	4.13
Heating capacity at +2°C (heating water at 35°C)	kW		3.20	4.20	6.55	6.70
COP at +2°C (heating water at 35°C)	W/W		3.56	3.11	3.34	3.13
Heating capacity at -7°C (heating water at 35°C)	kW		3.20	4.20	5.15	5.90
COP at -7°C (heating water at 35°C)	W/W		2.69	2.59	2.68	2.52
Cooling capacity at 35°C (cooling water at 7/12°C)	kW		3.20	4.50	6.00	7.00
EER at 35°C (cooling water at 7/12°C)	W/W		3.08	2.69	2.63	2.43
Energy Efficiency Class at 35°C / at 55°C / at 55°C for DHW			A++ / A++ / A			
System label 35°C / 55°C <sup>2</sup>			A+++ / A++			
Indoor Unit			WH-ADC0309H3E5UK			
Sound pressure level	Heating / Cooling	dB(A)	28 / 28			
Dimensions* / Net Weight*	H x W x D	mm / kg	1,800 x 598 x 717 / 135			
Water pipe connector		mm	R 1 1/4			
A class Pump	Number of speeds		Variable Speed			
	Input power (Min / Max)*	W	30 / 120			
Heating water flow [ΔT=5 K, 35°C]	l/min		9.2	14.3	20.1	25.8
Capacity of integrated electric heater	kW		3			
Recommended Fuse	A		15 / 15			
Recommended cable size, supply 1 & 2	mm <sup>2</sup>		3 x 1.5 / 3 x 1.5			
Water volume	L		185			
Maximum water temperature	°C		65			
Material inside tank			Stainless steel			
Outdoor Unit			WH-UD03HE5	WH-UD05HE5	WH-UD07HE5	WH-UD09HE5
Sound pressure level	Heating / Cooling	dB(A)	48 / 47	49 / 48	50 / 48	51 / 50
Dimensions / Weight	H x W x D	mm / kg	622 x 824 x 298 / 39			
Refrigerant (R410A)		kg	1.20			
Pipe diameter	Liquid / Gas	Inch	1/4 / 1/2			
Pipe length range / Elevation difference (in/out)		m	3 ~ 15 / 5			
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 20			
Operation range	Outdoor ambient	°C	-20 ~ +35			
Water outlet	Heating / Cooling	°C	25 ~ 55 / 5 ~ 20			
Accessories			Accessories			
PAW-ADC-CV150	Decorative magnetic side cover		CZ-TAW1	Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN		
CZ-NS4P	Additional functions PCB		PAW-A2W-RTWIRED	Wired Thermostat		

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1m from the outdoor unit and at 1.5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Performance in agreement with EN14511. Insulated tested under EN12897. 1) Available in August 2016. 2) System label with controller. \* Tentative values.



WH-UD03HE5  
WH-UD05HE5



WH-UD07HE5  
WH-UD09HE5



INTERNET CONTROL: Optional. 5 YEARS COMPRESSOR WARRANTY AND EXTENDED 7 YEARS COST OPTION: Exclusively for PRO Partners. MCS APPROVED PRODUCT: For full MCS approved product list please go to [www.microgenerationcertification.org/consumers](http://www.microgenerationcertification.org/consumers) or [www.aircon.panasonic.co.uk/gb\\_en/downloads/others](http://www.aircon.panasonic.co.uk/gb_en/downloads/others).

# AQUAREA ALL IN ONE HIGH PERFORMANCE BI-BLOC SINGLE PHASE HEATING AND COOLING



## Panasonic has developed a highly efficient solution, easy to install

Panasonic combines the finest product design with performance to achieve a market-leading COP.

### Technical focus

- Space saving: 1.800 x 598 x 717 (H x W x D)
- Reduced installation costs
- Piping at the bottom of the All in One (easy to install)
- Reduced installation time and minimised installation errors
- Easy remote control to set up
- Electrical connections at the front

- Reduced installation spaces
- All piping connections at bottom of the indoor unit
- Easier installation and maintenance
- New remote control functions (cooling mode activation possible by software. This activation can only be done by service partner)

			Single Phase (Power to indoor)					
Kit			KIT-ADC03GE5-UK	KIT-ADC05GE5-UK	KIT-ADC07GE5-UK	KIT-ADC09GE5-UK	KIT-ADC12GE5-UK	KIT-ADC16GE5-UK
Heating capacity at +7°C (heating water at 35°C)		kW	3.20	5.00	7.00	9.00	12.00	16.00
COP at +7°C (heating water at 35°C)		W/W	5.00	4.63	4.46	4.13	4.74	4.28
Heating capacity at +2°C (heating water at 35°C)		kW	3.20	4.20	6.55	6.70	11.40	13.00
COP at +2°C (heating water at 35°C)		W/W	3.56	3.11	3.34	3.13	3.44	3.28
Heating capacity at -7°C (heating water at 35°C)		kW	3.20	4.20	5.15	5.90	10.00	11.40
COP at -7°C (heating water at 35°C)		W/W	2.69	2.59	2.68	2.52	2.73	2.68
Cooling capacity at 35°C (cooling water at 7/12°C)		kW	3.20	4.50	6.00	7.00	10.00	12.20
EER at 35°C (cooling water at 7/12°C)		W/W	3.08	2.69	2.63	2.43	2.81	2.56
Energy Efficiency Class at 35°C / at 55°C / at 55°C for DHW			A++ / A++ / A					
Indoor Unit			WH-ADC0309G3E5UK				WH-ADC1216G6E5UK	
Sound pressure level		Heating / Cooling	dB(A)		28 / 28		33 / 33	
Dimensions / Net Weight		H x W x D	mm / kg		1,800 x 598 x 717 / 135		1,800 x 598 x 717 / —	
Water pipe connector			mm		R 1 1/4			
A class Pump		Number of speeds			7			
		Input power (Min / Max)	W		30 / 120		36 / 152	
Heating water flow (ΔT=5 K, 35°C)		l/min	9.2	14.3	20.1	25.8	34.4	45.9
Capacity of integrated electric heater		kW	3				6	
Recommended Fuse		A	15 / 15		30 / 15		30 / 30	
Recommended cable size, supply 1 & 2		mm²	3 x 1.5 / 3 x 1.5		3 x 2.5 / 3 x 1.5		3 x 4.0 / 3 x 4.0	
Water volume		L			185			
Maximum water temperature		°C			65			
Material inside tank			Stainless steel					
Outdoor Unit			WH-UD03EE5	WH-UD05EE5	WH-UD07FE5	WH-UD09FE5	WH-UD12FE5	WH-UD16FE5
Sound pressure level		Heating / Cooling	dB(A)		48 / 47		49 / 48	
Dimensions / Weight		H x W x D	mm / kg		622 x 824 x 298 / 39		795 x 900 x 320 / 66	
Refrigerant (R410A)			kg		1.20		1.45	
Pipe diameter		Liquid / Gas	Inch		1/4 / 1/2		1/4 / 5/8	
Pipe length range / Elevation difference (in/out)			m		3 ~ 15 / 5		3 ~ 30 / 20	
Pipe length for additional gas / Additional gas amount			m / g/m		10 / 20		10 / 50	
Operation range		Outdoor ambient	°C		-20 ~ +35			
Water outlet		Heating / Cooling	°C		25 ~ 55 / 5 ~ 20			
Accessories			Accessories					
PAW-ADC-PREKIT		Pre installation kit for piping	PA-AW-WIFI-1TE			Wifi interface		
PAW-ADC-CV150		Decorative magnetic side cover	PAW-A2W-RTWIRED			Wired Thermostat		

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1m from the outdoor unit and at 1.5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Performance in agreement with EN14511.  
1) Insulated tested under EN12897.



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## AQUAREA ALL IN ONE T-CAP

### BI-BLOC SINGLE PHASE

### HEATING AND COOLING



#### All the benefits of the T-CAP All in One unit!

Panasonic has developed a highly efficient solution, easy to install. Ideal for installation in new homes, Aquarea All in One is also particularly suited for retrofit projects, saving installation time and space.

#### Technical focus

- Space saving: 1.800 x 598 x 717 (H x W x D)
- Reduced installation costs
- Piping at the bottom of the All in One (easy to install)
- Reduced installation time and minimised installation errors
- Easy remote control to set up

- Electrical connections at the front
- Reduced installation spaces
- All piping connections at bottom of the indoor unit
- Easier installation and maintenance
- New remote control functions

			Single Phase (Power to indoor)	
Kit			KIT-AXC09GE5-UK	KIT-AXC12GE5-UK
Heating capacity at +7°C (heating water at 35°C)	kW		9.00	12.00
COP at +7°C (heating water at 35°C)	W/W		4.84	4.74
Heating capacity at +2°C (heating water at 35°C)	kW		9.00	12.00
COP at +2°C (heating water at 35°C)	W/W		3.59	3.44
Heating capacity at -7°C (heating water at 35°C)	kW		9.00	12.00
COP at -7°C (heating water at 35°C)	W/W		2.85	2.72
Cooling capacity at 35°C (cooling water at 7/12°C)	kW		7.00	10.00
EER at 35°C (cooling water at 7/12°C)	W/W		3.17	2.81
Energy Efficiency Class at 35°C / at 55°C / at 55°C for DHW			A++ / A++ / A	
Indoor Unit			WH-ADC1216G6E5UK	
Sound pressure level	Heating / Cooling	dB(A)	33 / 33	
Dimensions / Net Weight	H x W x D	mm / kg	1,800 x 598 x 717 / 137	
Water pipe connector			R 1 1/4	
A class Pump	Number of speeds		7	
	Input power (Min / Max)	W	36 / 152	
Heating water flow (ΔT=5 K, 35°C)	l/min		25.8	34.4
Capacity of integrated electric heater	kW		6	
Recommended Fuse	A		30 / 30	
Recommended cable size, supply 1 & 2	mm²		3 x 4.0 / 3 x 4.0	
Water volume	L		185	
Maximum water temperature	°C		65	
Material inside tank			Stainless steel	
Outdoor Unit			WH-UX09FE5	WH-UX12FE5
Sound pressure level	Heating / Cooling	dB(A)	51 / 49	52 / 50
Dimensions / Weight	H x W x D	mm / kg	1,340 x 900 x 320 / 101	
Refrigerant (R410A)		kg	2.85	
Pipe diameter	Liquid / Gas	Inch	3/8 / 5/8	
Pipe length range / Elevation difference (in/out)		m	3 ~ 30 / 20	
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 50	
Operation range	Outdoor ambient	°C	-20 ~ +35	
Water outlet	Heating / Cooling	°C	25 ~ 55 / 5 ~ 20	

Accessories		Accessories	
PAW-ADC-PREKIT	Pre installation kit for piping	PA-AW-WIFI-1TE	Wifi interface
PAW-ADC-CV150	Decorative magnetic side cover	PAW-AZW-RTWIRED	Wired Thermostat

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WH-UX09FE5  
WH-UX12FE5



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