

AQUAREA
PRICE LIST

2014 - 2015

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Panasonic – leading the way in Heating and Cooling

With more than 30 years of experience, selling to more than 120 countries around the world, Panasonic is unquestionably one of the leaders in the heating and cooling sector.

With a diverse network of production and R&D facilities, Panasonic delivers innovative products incorporating cutting-edge technologies that set the standard for air conditioners worldwide.

Expanding globally, Panasonic provides superior international products transcending borders.

100% Panasonic: we control the process

The company is also a world leader in innovation as it has filed more than 91,539 patents to improve its customers' lives. Moreover, Panasonic is determined to remain at the forefront of its market. In all, the company has produced more than 200 million compressors and its products are manufactured in 294 plants which are located all over the world. You can be assured of the extremely high quality of Panasonic's heat pumps.

This wish to excel has made Panasonic the international leader in heating and turn-key air conditioning solutions. These offer maximum effectiveness, comply with the strictest environmental standards and meet the most avant-garde construction requirements of our time.



www.panasonicproclub.com

or connect simply with your smartphone to the proclub using this QR:

PRO Club: the professional website of Panasonic

Panasonic has an impressive range of support services for designers, specifiers, engineers and distributors working in the heating and cooling markets.

Panasonic announces a new initiative for these professionals - the Panasonic PRO Club. Panasonic PRO Club is the online tool which makes your life easier! You just have to register and a lot of functionalities are freely available to you, where ever you are, from your computer or smart phone!



The Panasonic PRO Academy opens its doors

Panasonic takes its responsibility to its distributors, specifiers and installers seriously and has developed a comprehensive Training Programme. The Panasonic Pro-Academy encompasses the traditional hands-on approach, as well as embracing today's technology to offer an eLearning facility available 24 hours, 7 days a week!

The Training Centres display Panasonic's latest product range and give delegates an opportunity to get hands-on experience with the latest controllers, indoor and outdoor units from the VRF ECOi, Etherna, GHP and Aquarea ranges.

AQUAREA



NEW AQUAREA RANGE HIGH-EFFICIENCY HEAT PUMP TECHNOLOGY

Panasonic's new Aquarea Air To Water system can work in outdoor temperature even at -20°C

Panasonic's new Aquarea system, based on high-efficiency heat pump technology, not only heats your home and hot water, but also cools your home in summer with incredible operating performance. This creates perfect comfort whatever the weather conditions, even at outdoor temperatures as low as -20°C.

Panasonic new heat pumps are designed in response to the new demand for low consumption housing, with high efficiency and low running costs.



Aquarea High Performance. From 3 to 16kW

For a house with low temperature radiators or under-floor heating, our high performance Aquarea HP is a good solution. This solution can work as a stand-alone unit or can be combined with an existing gas- or oil-fired heating system depending on requirements. This new solution is ideal for low consumption homes.

1) For WH-MDC05F3E5.



Aquarea T-CAP. From 9 to 16kW

If the most important aspect is to maintain nominal heating capacities even at temperatures as low as -7°C or -15°C, select the Aquarea T-CAP. This ensures that there is always enough capacity to heat the house without help from an external boiler – even at extremely low temperatures.

Aquarea T-CAP always has high efficiency and high heating capacity even at extremely low temperatures. With Aquarea T-CAP, you can always enjoy high savings.



Aquarea HT. From 9 to 12kW

For a house with traditional high-temperature radiators (such as cast iron radiators), the Aquarea HT Solution is the most appropriate as the Aquarea HT can work in output water temperatures of 65°C even at outdoor temperatures as low as -20°C.

Aquarea HT is able to deliver hot water to 65°C with the Heat Pump alone.

SEASONAL
EFFICIENCY

AQUAREA

ENERGY SAVING



Inverter+ System. The A Inverter+ system provides energy savings of up to 30% compared to non Inverter models. Both you, and nature, wins!



Refrigerant R410A / R407C. R410A / R407C offers optimal performance and involves no environmental cost since it does not harm the ozone layer.



Up to -20°C In Heating Mode. The Heat Pumps works in heat pump mode with an outdoor temperature as low as -20°C.



Renovation. Our Aquarea heat pumps can be connected to an existing or new boiler for optimum comfort even at very low outdoor temperatures.



Solar Kit. For even greater efficiency, our Aquarea heat pumps can be connected to photovoltaic solar panels with an optional kit.



DHW With Aquarea you can also heat your domestic hot water at a very low cost with the optional hot water cylinder.



Connectivity. The communication port is integrated into the indoor unit and provides easy connection to, and control of, your Panasonic heat pump to your home or building management system.



Internet Control is a next generation system providing a user-friendly remote control of air conditioning or heat pump units from everywhere, using a simple Android or iOS smartphone, tablet or PC via internet.



5 Years Warranty. We guarantee the compressors in the entire range for five years. Only for PRO partners.



Not all products certified. As the certification process is on-going and the list of certified products constantly changing, please check for latest details on the official websites.

AQUAREA

AQUAREA AIR TO WATER HEAT PUMP RANGE

Aquarea is a ground breaking low energy system for heating and domestic hot water production: delivering outstanding performance, even at extreme outdoor temperatures.

NEW

New 5kW Mono-Bloc, the most efficient solution of the market with a COP of 5.08! Ideal for low consumption homes.
P. 10

5.08 COP
high efficiency
AQUAREA
HIGH PERFORMANCE



NEW

New 16kW T-Cap Bi-Bloc, ideal for retrofit and commercial applications.
P. 8

100%
capacity
at -15 °C
AQUAREA T-CAP



NEW

New 9 and 12kW T-Cap Bi-Bloc, with A class pump, higher efficiency, and energy consumption.
P. 8

100%
capacity
at -15 °C
AQUAREA T-CAP



NEW

New remote control to improve the performance and make easier get the best comfort and maximum savings.
P. 7 - 10

AQUAREA
NEW REMOTE
CONTROL



Aquadrea Bi-Bloc



INTERNET CONTROL READY: Optional. 5 YEARS COMPRESSOR WARRANTY: Only for PRO partners.



Aquadrea High Performance Bi-Bloc Single Phase Heating Only - SDF Heating and Cooling - SDC 3 and 5kW

			Single Phase Heating Only		Single Phase Heating and Cooling	
Kit			KIT-WF03C3E5	KIT-WF05C3E5	KIT-WC03C3E5	KIT-WC05C3E5
Kit with smartphone control						
Indoor unit			WH-SDF03E3E5	WH-SDF05E3E5	WH-SDC03E3E5	WH-SDC05E3E5
Outdoor unit			WH-UD03EE5	WH-UD05EE5	WH-UD03EE5	WH-UD05EE5
Heating capacity at +7°C	kW		3.20	5.00	3.20	5.00
COP at +7°C (heating water at 35°C)			5.00	4.63	5.00	4.63
Heating capacity at +2°C (heating water at 35°C)	kW		3.20	4.20	3.20	4.20
COP at +2°C (heating water at 35°C)			3.56	3.11	3.56	3.11
Heating capacity at -7°C	kW		3.20	4.20	3.20	4.20
COP at -7°C			2.69	2.59	2.69	2.59
Cooling capacity at 35°C	kW		-	-	3.20	4.50
EER at 35°C (cooling water at 7/12°C)			-	-	3.08	2.69
Indoor unit						
Dimensions / Weight	H x W x D	mm / kg	892 x 502 x 353 / 43	892 x 502 x 353 / 43	892 x 502 x 353 / 44	892 x 502 x 353 / 44
A class Pump	No. of Speed		Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Max.)	W			Min: 21 W at 10l/min / Max: 135 W at 53,8l/min	
Heating water flow (ΔT=5 K, 35°C)	l/min		9.2	14.3	9.2	14.3
Capacity of integrated electric heater	kW		3	3	3	3
Recommended Fuse	A		15 / 30	15 / 30	15 / 30	15 / 30
Recommended power cable section	mm ²		2.5 / 4.0	2.5 / 4.0	2.5 / 4.0	2.5 / 4.0
Outdoor unit						
Sound pressure level		dB(A)	47	48	47	48
Dimensions / Weight	H x W x D	mm / kg	622 x 824 x 298 / 39	622 x 824 x 298 / 39	622 x 824 x 298 / 39	622 x 824 x 298 / 39
Pipe diameter	Liquid	mm (Inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	mm (Inch)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)
Pipe length range		m	3-15	3-15	3-15	3-15
Pipe length for additional gas		m	10	10	10	10
Additional gas amount (R410A)		g/m	20	20	20	20
Elevation difference (in/out)		m	5	5	5	5
Operation range	Outdoor ambient	°C	-20 to 35	-20 to 35	-20 to 35	-20 to 35
Water outlet at -2/-7/-15		°C	25 - 55	25 - 55	25 - 55	25 - 55
Kit Price		€	2,072.00	2,176.00	2,176.00	2,284.00
Indoor Price		€	1,081.00	1,134.00	1,185.00	1,242.00
Outdoor Price		€	991.00	1,042.00	991.00	1,042.00

COP classification is at 230 V only in accordance with EU directive 2032/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1.5 m height. Performance in agreement with EN14511.



INTERNET CONTROL READY: Optional. 5 YEARS COMPRESSOR WARRANTY: Only for PRO partners. MCS: Only for single phase systems.



Aquaarea High Performance Bi-Bloc Single Phase / Three Phase Heating and Cooling - SDC

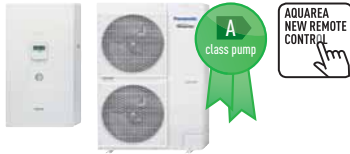
Kit	Single Phase [Power to indoor]						Three Phase [Power to indoor]			
	KIT-WC07F3E5 ¹	KIT-WC09F3E5 ¹	KIT-WC12F6E5 ²	KIT-WC14F6E5 ²	KIT-WC16F6E5 ²	KIT-WC09F3E8 ³	KIT-WC12F9E8 ³	KIT-WC14F9E8 ³	KIT-WC16F9E8 ³	
Indoor unit	WH-SDC07F3E5	WH-SDC09F3E5	WH-SDC12F6E5	WH-SDC14F6E5	WH-SDC16F6E5	WH-SDC09F3E8	WH-SDC12F9E8	WH-SDC14F9E8	WH-SDC16F9E8	
Outdoor unit	WH-UD07FE5	WH-UD09FE5	WH-UD12FE5	WH-UD14FE5	WH-UD16FE5	WH-UD09FE8	WH-UD12FE8	WH-UD14FE8	WH-UD16FE8	
Heating capacity at +7°C	7.00	9.00	12.00	14.00	16.00	9.00	12.00	14.00	16.00	
COP at +7°C (heating water at 35°C)	4.46	4.13	4.74	4.56	4.28	4.84	4.14	4.56	4.28	
Heating capacity at -7°C	6.55	6.70	11.40	12.40	13.00	9.00	11.40	12.40	16.00	
COP at -7°C (heating water at 35°C)	3.34	3.13	3.44	3.36	3.28	3.59	3.44	3.36	3.28	
Cooling capacity at 35°C	5.15	5.90	10.00	10.70	11.40	9.00	10.00	10.70	11.40	
EER at 35°C (cooling water at 7/12°C)	2.68	5.52	2.73	2.70	2.68	2.85	2.23	2.70	2.68	
Cooling capacity at 35°C (cooling water at 7°C)	6.00	7.00	10.00	11.50	12.20	7.00	10.00	11.50	12.20	
EER at 35°C (cooling water at 7°C)	2.61	2.41	2.81	2.64	2.56	3.17	2.81	2.64	2.56	
Indoor unit										
Dimensions	H x W x D	mm	892 x 502 x 353	892 x 502 x 353	892 x 502 x 353	892 x 502 x 353	892 x 502 x 353	892 x 502 x 353	892 x 502 x 353	892 x 502 x 353
Weight		kg	43	43	45	46	46	47	47	47
Pump	No. of Speed		7	7	7	7	7	7	7	7
	Input power (Max.)	W	Min: 21 W at 10l/min / Max: 135 W at 53.8l/min							
Heating water flow (ΔT=5 K, 35°C)		l/min	20.1	25.8	34.4	40.1	45.9	25.8	34.4	40.1
Capacity of integrated electric heater		kW	3	3	6	6	6	3	9	9
Recommended Fuse		A	30 / 30	30 / 30	30 / 30	30 / 30	30 / 16	16 / 16	16 / 16	16 / 16
Recommended power cable section		mm ²	4,0 / 4,0	4,0 / 4,0	4,0 / 4,0	4,0 / 4,0	4,0 / 4,0	2,5 / 2,5	2,5 / 2,5	2,5 / 2,5
Outdoor unit										
Sound pressure level		dB(A)	48	49	50	51	53	49	50	51
Dimensions / Weight	H x W x D	mm / kg	795 x 900 x 320 / 66			1,340 x 900 x 320 / 101		1,340 x 900 x 320 / 101		
Pipe diameter	Liquid / Gas	mm (inch)	6.35 (1/4) / 15.88 (5/8)			9.52 (3/8) / 15.88 (5/8)		9.52 (3/8) / 15.88 (5/8)		
Pipe length range		m	3 - 30	3 - 30	3 - 30	3 - 30	3 - 30	3 - 30	3 - 30	3 - 30
Pipe length for additional gas		m	10	10	10	10	10	10	10	10
Additional gas amount (R410A)		g/m	30	30	50	50	50	50	50	50
Elevation difference (in/out)		m	20	20	20	20	20	20	20	20
Operation range	Outdoor ambient	°C	-20 to 35	-20 to 35	-20 to 35	-20 to 35	-20 to 35	-20 to 35	-20 to 35	-20 to 35
Water outlet at -2/-7/-15	Heating / Cooling	°C	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20
Kit Price		€	2,420.00	2,724.00	3,454.00	3,840.00	4,095.00	3,477.00	3,826.00	4,627.00
Indoor Price		€	1,355.00	1,459.00	1,602.00	1,765.00	1,936.00	1,649.00	1,838.00	2,095.00
Outdoor Price		€	1,065.00	1,265.00	1,852.00	2,075.00	2,159.00	1,828.00	1,988.00	2,532.00

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1.5 m height. Performance in agreement with EN14511.

1) Available in April 2014. 2) Available in May 2014. 3) Available in June 2014.

Authorized service partner or Authorized installer can enable the cooling mode through a special operation via the remote controller on site.

Aquarea Bi-Bloc



INTERNET CONTROL READY: Optional. 5 YEARS COMPRESSOR WARRANTY: Only for PRO partners. MCS: Only for single phase systems.



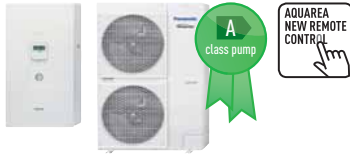
Aquarea T-CAP Bi-Bloc Single Phase / Three Phase Heating and Cooling - SXC

Kit	Single Phase (Power to indoor)			Three Phase (Power to indoor)		
	KIT-WXC09F3E5 ¹	KIT-WXC12F6E5 ¹	KIT-WXC09F3E8	KIT-WXC12F9E8	KIT-WXC16F9E8	KIT-WXC16F9E8
Indoor unit	WH-SXC09F3E5	WH-SXC12F6E5	WH-SXC09F3E8	WH-SXC12F9E8	WH-SXC16F9E8	WH-SXC16F9E8
Outdoor unit	WH-UX09FE5	WH-UX12FE5	WH-UX09FE8	WH-UX12FE8	WH-UX16FE8	WH-UX16FE8
Heating capacity at +7°C (heating water at 35°C)	kW 9.00	12.00	9.00	12.00	16.00	16.00
COP at +7°C (heating water at 35°C)	4.84	4.74	4.84	4.74	4.28	4.28
Heating capacity at +2°C (heating water at 35°C)	kW 9.00	12.00	9.00	12.00	16.00	16.00
COP at +2°C (heating water at 35°C)	3.59	3.44	3.59	3.44	3.10	3.10
Heating capacity at -7°C (heating water at 35°C)	kW 9.00	12.00	9.00	12.00	16.00	16.00
COP at -7°C (heating water at 35°C)	2.85	2.72	2.85	2.72	2.49	2.49
Cooling capacity at 35°C (cooling water at 7°C)	kW 7.00	10.00	7.00	10.00	12.20	12.20
EER at 35°C (cooling water at 7°C)	3.17	2.81	3.17	2.81	2.57	2.57
Indoor unit						
Dimensions / Weight	H x W x D	mm / kg	892 x 502 x 353 / 44	892 x 502 x 353 / 45	892 x 502 x 353 / 46	892 x 502 x 353 / 52
Pump	No. of Speed		7	7	7	7
	Input power (Max.)	W	Min: 21 W at 10l/min / Max: 135 W at 53.8l/min			
Heating water flow (ΔT=5 K, 35°C)		l/min	25.8	34.4	34.4	45.9
Capacity of integrated electric heater		kW	3	6	3	9
Recommended Fuse		A	30 / 30	30 / 30	16 / 16	16 / 16
Recommended power cable section		mm ²	4.0 / 4.0	4.0 / 4.0	2.5 / 2.5	2.5 / 2.5
Outdoor unit						
Sound pressure level		dB(A)	49	50	49	53
Dimensions / Weight	H x W x D	mm / kg	1,340 x 900 x 320 / 101	1,340 x 900 x 320 / 101	1,340 x 900 x 320 / 109	1,340 x 900 x 320 / 119
Pipe diameter	Liquid / Gas	mm (Inch)	9.52 (3/8) / 15.88 (5/8)	9.52 (3/8) / 15.88 (5/8)	9.52 (3/8) / 15.88 (5/8)	9.52 (3/8) / 15.88 (5/8)
Pipe length range		m	3 - 30	3 - 30	3 - 30	3 - 30
Pipe length for additional gas		m	10	10	10	10
Additional gas amount (R410A)		g/m	50	50	50	50
Elevation difference (in/out)		m	20	20	20	20
Operation range	Outdoor ambient	°C	-20 to 35	-20 to 35	-20 to 35	-20 to 35
Water outlet at -2/-7/-15	Heating / Cooling	°C	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20
Kit Price		€	3,203.00	4,011.00	4,152.00	4,505.00
Indoor Price		€	1,555.00	1,716.00	1,843.00	2,006.00
Outdoor Price		€	1,648.00	2,295.00	2,309.00	2,499.00

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1.5 m height. Performance in agreement with EN14511.

¹⁾ Available from January 2014.

Authorized service partner or Authorized installer can enable the cooling mode through a special operation via the remote controller on site.



INTERNET CONTROL READY: Optional. 5 YEARS COMPRESSOR WARRANTY: Only for PRO partners. MCS: Only for single phase systems.



Aqua HT Bi-Bloc Single Phase / Three Phase Heating Only - SHF

		Single Phase (Power to indoor)		Three Phase (Power to indoor)	
Kit		KIT-WHF09F3E5 ¹	KIT-WHF12F6E5 ¹	KIT-WHF09F3E8 ²	KIT-WHF12F9E8 ²
Indoor unit		WH-SHF09F3E5	WH-SHF12F6E5	WH-SHF09F3E8	WH-SHF12F9E8
Outdoor unit		WH-UH09FE5	WH-UH12FE5	WH-UH09FE8	WH-UH12FE8
Heating capacity at +7°C (heating water at 35°C)	kW	9.00	12.00	9.00	12.00
COP at +7°C (heating water at 35°C)		4.64	4.46	4.64	4.46
Heating capacity at +2°C (heating water at 35°C)	kW	9.00	12.00	9.00	12.00
COP at +2°C (heating water at 35°C)		3.45	3.26	3.45	3.26
Heating capacity at -7°C (heating water at 35°C)	kW	9.00	12.00	9.00	12.00
COP at -7°C (heating water at 35°C)		2.74	2.52	2.74	2.52
Heating capacity at +7°C (heating water at 65°C)	kW	9.00	12.00	9.00	12.00
COP at +7°C (heating water at 65°C)		2.25	2.20	2.25	2.20
Heating capacity at +2°C (heating water at 65°C)	kW	9.00	10.30	9.00	10.30
COP at +2°C (heating water at 65°C)		1.88	1.83	1.88	1.83
Heating capacity at -7°C (heating water at 65°C)	kW	8.90	9.60	8.90	9.60
COP at -7°C (heating water at 65°C)		1.64	1.61	1.64	1.61
Indoor unit					
Dimensions / Weight	H x W x D	mm / kg	892 x 502 x 353 / 46	892 x 502 x 353 / 47	892 x 502 x 353 / 48
Pump	No. of Speed		7	7	7
	Input Power (Max.)	W	Min: 21 W at 10l/min / Max: 135 W at 53.8l/min		
Heating water flow (ΔT=5 K, 35°C)	l/min	25.8	34.4	25.8	34.4
Recommended Fuse	A	30 / 30	30 / 30 / -	30 / 16	30 / 16 / -
Recommended power cable section	mm ²	4.0 / 4.0	4.0 / 4.0 / -	4.0 / 2.5	4.0 / 2.5 / -
Outdoor unit					
Sound pressure level		dB(A)	49	50	49
Dimensions / Weight	H x W x D	mm / kg	1,340 x 900 x 320 / 110	1,340 x 900 x 320 / 110	1,340 x 900 x 320 / 110
Pipe diameter	Liquid / Gas	mm (Inch)	9.52 (3/8) / 15.88 (5/8)	9.52 (3/8) / 15.88 (5/8)	9.52 (3/8) / 15.88 (5/8)
Pipe length range (Pipe length for additional gas)		m	3 - 30	3 - 30	3 - 30
Additional gas amount (R407C)		g/m	70	70	70
Elevation difference (in/out)		m	20	20	20
Operation range	Outdoor ambient	°C	-20 to 35	-20 to 35	-20 to 35
Water outlet at -2/-7/-15		°C	25 - 65	25 - 65	25 - 65
Kit Price		€	3,372.00	4,209.00	4,399.00
Indoor Price		€	1,543.00	1,784.00	2,199.00
Outdoor Price		€	1,829.00	2,425.00	2,640.00

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1.5 m height. Performance in agreement with EN14511. 1) Available in March 2014. 2) Available in February 2014.

Aquadrea Mono-Bloc



INTERNET CONTROL READY: Optional. 5 YEARS COMPRESSOR WARRANTY: Only for PRO partners.



Aquadrea High Performance Mono-Bloc Single Phase / Heating Only - MDF / Heating and Cooling - MDC

		Single Phase Heating Only		Single Phase Heating and Cooling		
		WH-MDF06E3E5	WH-MDF09E3E5	WH-MDC05F3E5 ¹	WH-MDC06E3E5	WH-MDC09E3E5
Heating capacity at +7°C (heating water at 35°C)	kW	6.00	9.00	5.00	6.00	9.00
COP at +7°C (heating water at 35°C)		4.48	4.15	5.08	4.48	4.15
Heating capacity at +2°C (heating water at 35°C)	kW	5.00	7.45	4.80	5.00	7.45
COP at +2°C (heating water at 35°C)		3.45	3.14	3.75	3.45	3.14
Heating capacity at -7°C (heating water at 35°C)	kW	5.15	7.70	4.50	5.15	7.70
COP at -7°C (heating water at 35°C)		2.68	2.12	2.98	2.68	2.12
Cooling capacity at 35°C (cooling water at 7°C)	kW	-	-	4.50	5.50	7.00
EER at 35°C (cooling water at 7°C)		-	-	3.33	2.74	2.44
Sound pressure level	dB(A)	47	49	47	47	49
Dimensions	H x W x D	mm	865 x 1,283 x 320	865 x 1,283 x 320	865 x 1,283 x 320	865 x 1,283 x 320
Weight		kg	112	112	112	112
Pump	No. of Speed		Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input Power	W		Min: 21 W at 10l/min / Max: 135 W at 53.8l/min		
Water Flow ($\Delta T=5$ K, 35°C)		l/min	17.2	9.2	17.2	25.8
Capacity of integrated electric heater	kW	3.00	3.00	3	3.00	3.00
Input Power at +7°C	kW	1.34	2.17	0.985	1.34	2.17
Running and Starting current at +7°C	A	6.1	9.9	3	6.1	9.9
Recommended Fuse	A	30 / 16	30 / 16	30 / 15	30 / 16	30 / 16
Recommended power cable section	mm ²	4.0 / 2.5	4.0 / 2.5	4.0 / 2.5	4.0 / 2.5	4.0 / 2.5
Operation range	Outdoor ambient	°C	-20 to 35	-20 to 35	-20 to 35	-20 to 35
Water outlet at -2/-7/-15		°C	20 - 55	20 - 55	20 - 55	20 - 55
Outdoor Price	£		2,218.00	2,879.00	2,112.00	2,373.00
						3,023.00

COP classification is at 230 V only in accordance with EU directive 2003/32/EC.

Sound pressure measured at 1 m from the outdoor unit and at 1.5 m height.

Performance in agreement with EN14511.

1. Authorized service partner or Authorized installer can enable the cooling mode through a special operation via the remote controller on site.



INTERNET CONTROL READY: Optional. 5 YEARS COMPRESSOR WARRANTY: Only for PRO partners. MCS: Only for single phase systems.



Aquarea High Performance Mono-Bloc Single Phase / Three Phase / Heating Only - MDF / Heating and Cooling - MDC

		Single Phase			Three Phase				
Outdoor unit Heating Only		WH-MDF12C6E5-1	WH-MDF14C6E5-1	WH-MDF16C6E5-1	WH-MDF09C3E8-1	WH-MDF12C9E8-1	WH-MDF14C9E8-1	WH-MDF16C9E8-1	
Outdoor unit Heating and Cooling		WH-MDC12C6E5-1	WH-MDC14C6E5-1	WH-MDC16C6E5-1	WH-MDC09C3E8-1	WH-MDC12C9E8-1	WH-MDC14C9E8-1	WH-MDC16C9E8-1	
Heating capacity at +7°C (heating water at 35°C)	kW	12.00	14.00	16.00	9.00	12.00	14.00	16.00	
COP at +7°C (heating water at 35°C)		4.67	4.50	4.23	4.74	4.67	4.50	4.23	
Heating capacity at +2°C (heating water at 35°C)	kW	11.40	12.40	13.00	9.00	11.40	12.40	13.00	
COP at +2°C (heating water at 35°C)		3.41	3.32	3.25	3.53	3.41	3.32	3.25	
Heating capacity at -7°C (heating water at 35°C)	kW	10.00	10.70	11.40	9.00	10.00	10.70	11.40	
COP at -7°C (heating water at 35°C)		2.70	2.68	2.65	2.81	2.70	2.68	2.65	
Cooling capacity at 35°C (cooling water at 7°C) ¹	kW	10.00	11.50	12.20	7.00	10.00	11.50	12.20	
EER at 35°C (cooling water at 7°C) ¹		2.78	2.61	2.54	3.11	2.78	2.61	2.54	
Sound pressure level	dB(A)	50	51	53	49	50	51	53	
Dimensions	H x W x D	mm	1,410 x 1,283 x 320	1,410 x 1,283 x 320	1,410 x 1,283 x 320	1,410 x 1,283 x 320	1,410 x 1,283 x 320	1,410 x 1,283 x 320	
Weight	kg	153	153	153	157	157	157	157	
Water pipe connector		R 1 ¼	R 1 ¼	R 1 ¼	R 1 ¼	R 1 ¼	R 1 ¼	R 1 ¼	
Pump	No. of Speed	3	3	3	3	3	3	3	
	Input power (Max.)	W	190	190	190	190	190	190	
Heating water flow (ΔT=5 K, 35°C)	l/min	34.4	40.1	45.9	25.8	34.4	40.1	45.9	
Capacity of integrated electric heater	kW	6	6	6	3	9	9	9	
Input Power	Heating	kW	2.57	3.11	3.78	1.90	2.57	3.11	3.78
	Cooling ¹	kW	3.60	4.40	4.80	2.25	3.60	4.40	4.80
Recommended Fuse	A	30 / 30 / 16	30 / 30 / 16	30 / 30 / 16	16 / 16	16 / 16 / 16	16 / 16 / 16	16 / 16 / 16	
Recommended power cable section	mm ²	4.0 / 4.0 / 2.5	4.0 / 4.0 / 2.5	4.0 / 4.0 / 2.5	2.5 / 2.5	2.5 / 2.5 / 2.5	2.5 / 2.5 / 2.5	2.5 / 2.5 / 2.5	
Operation range	Outdoor ambient	°C	-20 to 35	-20 to 35	-20 to 35	-20 to 35	-20 to 35	-20 to 35	
Water outlet at -2/-7/-15	Heating / Cooling ¹	°C	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	
Heating Only Outdoor Price	€	3,786.00	4,061.00	4,336.00	3,589.00	3,988.00	4,337.00	4,593.00	
Heating and Cooling Outdoor Price	€	3,948.00	4,263.00	4,487.00	3,696.00	4,147.00	4,496.00	4,744.00	

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1.5 m height. Performance in agreement with EN14511.

1. Specifications for Heating and Cooling models.

Aquadrea Mono-Bloc



INTERNET CONTROL READY: Optional. 5 YEARS COMPRESSOR WARRANTY: Only for PRO partners. MCS: Only for single phase systems.



Aquadrea T-CAP Mono-Bloc Single Phase / Three Phase Heating Only - MXF / Heating and Cooling - MXC

		Single Phase		Three Phase	
Outdoor unit Heating Only		WH-MXF09D3E5-1	WH-MXF12D6E5-1	WH-MXF09D3E8-1	WH-MXF12D9E8-1
Outdoor unit Heating and Cooling		WH-MXC09D3E5-1	WH-MXC12D6E5-1	WH-MXC09D3E8-1	WH-MXC12D9E8-1
Heating capacity at +7°C (heating water at 35°C)	kW	9.00	12.00	9.00	12.00
COP at +7°C (heating water at 35°C)		4.74	4.67	4.74	4.67
Heating capacity at +2°C (heating water at 35°C)	kW	9.00	12.00	9.00	12.00
COP at +2°C (heating water at 35°C)		3.53	3.40	3.53	3.40
Heating capacity at -7°C (heating water at 35°C)	kW	9.00	12.00	9.00	12.00
COP at -7°C (heating water at 35°C)		2.81	2.70	2.81	2.70
Cooling capacity at 35°C (cooling water at 7°C)	kW	7.00	10.00	7.00	10.00
EER at 35°C (cooling water at 7°C)		3.11	2.78	3.11	2.78
Sound pressure level	dB(A)	49	50	49	50
Dimensions	H x W x D	mm	1,410 x 1,283 x 320	1,410 x 1,283 x 320	1,410 x 1,283 x 320
Weight		kg	155	158	158
Water pipe connector			R 1 1/4	R 1 1/4	R 1 1/4
Pump	No. of Speed		3	3	3
	Input power (Max.)	W	190	190	190
Heating water flow (ΔT=5 K, 35°C)		l/min	25.8	34.4	25.8
Capacity of integrated electric heater		kW	3	6	3
Recommended Fuse		A	30 / 30	30 / 30 / 16	16 / 16
Recommended power cable section		mm ²	4.0 / 4.0	4.0 / 4.0 / 2.5	2.5 / 2.5
Operation range	Outdoor ambient	°C	-20 to 35	-20 to 35	-20 to 35
Water outlet at -2/-7/-15	Heating / Cooling	°C	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20
Heating Only Outdoor Price		€	3,350.00	4,188.00	4,582.00
Heating and Cooling Outdoor Price		€	3,551.00	4,440.00	4,857.00

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1.5 m height. Performance in agreement with EN14511.



INTERNET CONTROL READY: Optional. 5 YEARS COMPRESSOR WARRANTY: Only for PRO partners. MCS: Only for single phase systems.



Aquaera HT Mono-Bloc Single Phase / Three Phase Heating Only - MHF

Outdoor		Single Phase		Three Phase	
		WH-MHF09D3E5	WH-MHF12D6E5	WH-MHF09D3E8	WH-MHF12D9E8
Heating capacity at +7°C (heating water at 35°C)	kW	9.00	12.00	9.00	12.00
COP at +7°C (heating water at 35°C)		4.55	4.40	4.55	4.40
Heating capacity at +2°C (heating water at 35°C)	kW	9.00	12.00	9.00	12.00
COP at +2°C (heating water at 35°C)		3.40	3.23	3.40	3.23
Heating capacity at -7°C (heating water at 35°C)	kW	9.00	12.00	9.00	12.00
COP at -7°C (heating water at 35°C)		2.70	2.50	2.70	2.50
Heating capacity at +7°C (heating water at 65°C)	kW	9.00	12.00	9.00	12.00
COP at +7°C (heating water at 65°C)		2.25	2.20	2.25	2.20
Heating capacity at +2°C (heating water at 65°C)	kW	9.00	10.30	9.00	10.30
COP at +2°C (heating water at 65°C)		1.88	1.83	1.88	1.83
Heating capacity at -7°C (heating water at 65°C)	kW	8.90	9.60	8.90	9.60
COP at -7°C (heating water at 65°C)		1.62	1.61	1.62	1.61
Sound pressure level	dB(A)	49	50	49	50
Dimensions	H x W x D	mm	1,410 x 1,283 x 320	1,410 x 1,283 x 320	1,410 x 1,283 x 320
Weight		kg	155	158	158
Water pipe connector			R 1 1/4	R 1 1/4	R 1 1/4
Pump	No. of Speed		3	3	3
	Input Power (Max.)	W	190	190	190
Heating water flow (ΔT=5 K, 35°C)		l/min	25.8	34.4	25.8
Capacity of integrated electric heater		kW	3	3	3
Recommended Fuse		A	30 / 30	30 / 30 / 16	16 / 16
Recommended power cable section		mm ²	4.0 / 4.0	4.0 / 4.0 / 2.5	2.5 / 2.5
Operation range	Outdoor ambient	°C	-20 to 35	-20 to 35	-20 to 35
Water outlet at -2/-7/-15		°C	25 - 65	25 - 65	25 - 65
Outdoor Price		€	3,526.00	4,408.00	4,823.00

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1.5 m height. Performance in agreement with EN14511.





Aquarea Air Radiators



AQUAREA
AIR

Fan Coils for Heat Pump application	PAW-AAIR-200					PAW-AAIR-700					PAW-AAIR-900					
	PAW-AAIR-200L					PAW-AAIR-700L					PAW-AAIR-900L					
Without radiant heating																
Total heating capacity	W	138	160	217	470	570	223	360	708	1,032	1,188	273	475	886	1,420	1,703
Water flow	kg/h	23.7	27.5	37.3	80.8	98.0	38.4	61.9	121.8	177.5	204.3	47.0	81.7	152.4	244.2	292.9
Water pressure drop	kPa	0.1	0.2	0.4	2.0	2.9	0.1	0.1	0.3	0.8	1.0	0.1	0.2	0.5	1.6	2.2
Air flow	m³/h	28	37	55	113	162	44	84	155	252	320	54	110	248	367	461
	Speed	Main Fan Off	Super Min	Min	Med	Max	Main Fan Off	Super Min	Min	Med	Max	Main Fan Off	Super Min	Min	Med	Max
Maximum input power	W	2	5	7	9	13	3	9	14	18	22	3	11	16	20	24
Sound pressure level	dB(A)	17.6	18.8	24.7	33.2	39.4	18.4	19.6	25.8	34.1	40.2	18.4	22.3	26.2	34.4	42.2
Inlet water temperature	°C	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
Outlet water temperature	°C	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Inlet air temperature	°C	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Outlet air temperature	°C	34.5	32.6	38.9	32.0	30.0	34.9	32.4	33.3	31.8	30.6	34.8	32.5	30.2	31.1	30.6
Dimensions (H x W x D)	mm	735 x 576 x 129					935 x 579 x 129					1,135 x 579 x 129				
Weight	kg	17					20					23				
3 ways valve included		Yes					Yes					Yes				
Touch screen thermostat		Yes					Yes					Yes				
Fan Coils for Heat Pump application Price	€	551.00					597.00					715.00				
Without radiant heating Price	€	454.00					491.00					505.00				

Accessories

Tanks		Stainless Steel Tank		SlimLine HP Tank	Standard Heat Pump Tank		
Model		KIT-TD20E3E5-G3	KIT-TD30E3E5-G3	PAW-TE18C2E3HI-UK	PAW-TE18C2E3STD-UK	PAW-TE30C2E3STD-UK	PAW-TE40C2E3STD-UK
Indoor		WH-TD20E3E5-UK	WH-TD30E3E5-UK				
Outdoor		PAW-G3KIT	PAW-G3KIT				
							
Water volume	L	200	300	180	180	300	400
Maximum water temperature	°C	75	75	95	95	95	95
Dimensions	Height / Diameter	1,150 / 580	1,600 / 580	1,790 / 475	1,295 / 550	2,020 / 550	2,040 / 630
Weight	kg	49	65	33	33	49	61
Electric heater	kW	3	3	3	3	3	3
Power supply	V	230	230	230	230	230	230
Material inside tank		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Exchange surface	m ²	1.4	1.8	3.01	1.36	2.04	2.91
Secondary Coil Exchange surface	m ²				0.68	0.97	1.27
Energy loss at 65°C ¹	kWh/24h	1.90	2.30	2.01	1.40	1.93	3.33
3 Way valve included		Yes	Yes	Yes	Yes	Yes	Yes
20 m temperature sensor cable included		Yes	Yes	Yes	Yes	Yes	Yes
Heat up time	Valuation	★★★	★★★	★★★★	★★★★	★★★★	★★★★
Energy losses	Valuation	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
Efficiency of the tank	Valuation	★★★	★★★	★★★★	★★★★	★★★★	★★★★
Warranty		10 years	10 years	10 years	10 years	10 years	10 years
Maintenance required		No	No	Yearly	Yearly	Yearly	Yearly
Kit Price	€	1,050.00	1,200.00	1,125.00	920.00	1,150.00	1,475.00
Tank only Price	€	950.00	1,100.00				
G3 Kit Price	€	100.00	100.00				

¹) Insulated tested under EN12897.

* Available from June 2014. Sold complete with G3 compliant kit.

Accessories

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CZ-NS1P // CZ-NS3P // CZ-NS2P



CZ-TK1



PAW-TS1 / PAW-TS2



CZ-NE1P

WRAS
 APPROVED
 PRODUCT

Solar Kit Accessories		Price €
CZ-NS1P	PCB for solar connection kit for split systems	38.00
CZ-NS2P	PCB for solar connection kit for Mono-Block systems	38.00
CZ-NS3P	PCB for solar connection kit for Mono-Block systems 6 & 9 kW	38.00
Sanitary Tank Accessories		
CZ-TK1	Temperature sensor kit for third party tank (with copper pocket and 6m length sensor cable)	53.00
PAW-TS1	Tank sensor with 6 meter cable length	25.00
PAW-TS2	Tank sensor with 6 meter cable length	30.00
Hydraulic Accessories		
PAW-2PMP2ZONE	2 zone kit with hydraulic switch, manifold, 2 A-class pumps, one mixture valve	1,000.00
PAW-A2W-FITTING-1	"WRAS Approved: 2 x 28mm pipe coupling Connectors, 2 x isolating ball valves, line strainer, flow meter with pipe adaptors"	225.00
PAW-FILTER	2 check valves + filter with 1"	180.00
Deice Accessories		
CZ-NE1P	Base pan heater (for all old Bi-Block and Mono-Block, not for the 3 and 5 kW)	111.00
CZ-NE2P	Base pan heater (for 3 kW and 5 kW)	111.00
CZ-NE3P	Base pan heater (for all new F generation products: F3, F6, F9)	111.00
Connectivity Solutions		
PAW-AW-KNX-1i	KNX Interface	500.00
PAW-ZIG-AZW*	Interface to connect to Zig Bee	TBC
PAW-AW-MBS-1	Modbus Interface	500.00
PA-AW-WIFI-1	Interface for IntesisHome for Aquarea Models	174.00

* Availability to be confirmed.



PAW-HPM1

PAW-HPM2

PAW-A2W-RTWIRED

PAW-A2W-RTWIRED

PAW-HPMED / PAW-HPMLCD

Aquarea Manager Kits		Price £
PAW-HPM1ZZONE-U	HPM with room sensor and set point adaptation for Bi-bloc + sensors	550.00
PAW-HPM1ZZONE-M	HPM with room sensor and set point adaptation for Mono-bloc + sensors	550.00
PAW-HPM1ZZONELCD-U	HPM with LCD Wireless Room Thermostat for Bi-bloc + sensors	650.00
PAW-HPM1ZZONELCD-M	HPM with LCD Wireless Room Thermostat for Mono-bloc + sensors	650.00
PAW-HPM1ZZONE-F	HPM with room sensor and set point adaptation for Mono-bloc + Bi-bloc F type + sensor	650.00
PAW-HPM1ZZONELCD-F	HPM with LCD Wireless Room Thermostat for Mono-bloc + Bi-bloc F type + sensor	650.00
Room Thermostats		
PAW-A2W-RTWIRED	Wired LCD room thermostat with weekly timer	135.00
PAW-A2W-RTWIREDLESS	Wireless LCD room thermostat with weekly timer	240.00
Aquarea Manager Accessories		
PAW-HPM1	Aquarea Manager with LCD	325.00
PAW-HPM2	Aquarea Manager without LCD	300.00
PAW-HPMINT-U	Interface to connect Aquarea Manager to Heat pump Aquarea Bi-bloc (HPM can control all parameters from HP)	100.00
PAW-HPMINT-M	Interface to connect Aquarea Manager to Heat pump Aquarea Mono-bloc (HPM can control all parameters from HP)	100.00
PAW-HPMINT-F	Interface to connect Aquarea Manager to Heat pump Aquarea Mono-bloc and Bi-bloc F type (HPM can control all parameters from HP)	100.00
PAW-HPMB1	Buffer tank sensor	80.00
PAW-HPMDHW	Buffer tank sensor with well	100.00
PAW-HPMSOL1	Buffer tank sensor solar (with higher temperature range)	80.00
PAW-HPMAH1	Water flow pipe sensor for heating circuit	80.00
PAW-HPMR4	Room sensor + set point adaptation	80.00
PAW-HPMED	Touch screen	375.00
PAW-HPMLCD*	Room thermostat with LCD	TBC
PAW-LANCABLE	Network cable	8.00
PAW-A2WSWITCH	Network switch	85.00

* Availability to be confirmed.

Accessories for Aquarea Air		Price £
PAW-AAIR-LEGS-1	Kits of 2 legs to support the Aquarea Air on the floor and to protect the water pipings	42.00



PRO Partners

Want to become a PRO Partner? Need technical documentation?

The Panasonic PRO Club is the best resource for all your Panasonic Heating and Cooling product needs. The PRO Club offers a wealth of information from service manuals, tools, applications, marketing materials and latest brochures before anyone else.

The PRO Club also provides the opportunity for accredited installers to become a PRO Partner. The PRO Partner Scheme provides additional benefits including extended warranty and priority support. In addition, PRO Partners will have access to exclusive marketing materials and the Loyalty Programme. Commissioning documents that are submitted and approved will be assigned PRO Points, which can be exchanged for exclusive Panasonic gifts, including cameras, camcorders and TVs.

Sign up at www.panasonicproclub.com for further details.

Panasonic is offering 7 years warranty exclusively to installations carried out by a Panasonic PRO Partner

The process is simple:

1. The installation must be carried out by a PRO Partner
2. Commissioning documentation must be submitted via the PRO Club
3. Once the commissioning is approved, the warranty documentation will be automatically generated and sent to the PRO Partner and can then be supplied to the end user.
4. The warranty status can be checked at any time via the web at www.aircon.panasonic.co.uk/warranty. Simply enter the postcode and serial number of the Aquarea Heat Pump



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Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for the damage and deterioration in safety due to usage of the other refrigerant.

