Aquarea EcoFleX. Single phase · R32

Energy efficiency: Heat recovery function, to re-use wasted heat of outdoor unit for DHW production.
Flexibility: Small foot print outdoor unit, tank unit with a standard size of appliances.
Comfort: Non-stop heating operation / nanoe™ X technology to improve protection 24/7 (nanoe X Generator Mark 2).
Connectivity: Wi-Fi adapter included via Aquarea Smart Cloud or Panasonic Comfort Cloud App.



A++ ErP 55 °C Scale from A+++ to D
A++ ErP 35 °C Scale from A+++ to D
A+ DHW Scale from A+ to F

nanoe™ X

				WH-ADF0309J3E5CM
Air to water	Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	8,00 / 4,21
	Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	8,00 / 2,81
	Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	6,70 / 3,25
	Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	6,00 / 2,08
	Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	5,60 / 2,84
	Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	5,30 / 1,91
	Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	—
	Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	—
	Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,00 / 3,20 (157 / 125)
		Energy class [1]	A+++ to D	A++ / A++
	Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	5,69 / 3,69 (224 / 145)
		Energy class [1]	A+++ to D	A+++ / A++
	Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	3,61 / 2,80 (141 / 109)
		Energy class [1]	A+++ to D	A+ / A+
	Sound pressure	Heat / Cool	dB(A)	28 / —
	Dimension / Net weight	H x W x D	mm / kg	1880 x 598 x 600 / 108
	Electric backup heater		kW	3,00
	Water volume		L	185
	Maximum DHW temperature		°C	65
	Heating water flow (ΔT=5 K. 35 °C)		L/min	22,90
	Tapping profile according EN16147			L
	DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A / A+ / A
	DHW tank ERP average climate η / COPdhw		ηwh % / COPdhw	104 / 2,60
	DHW tank ERP warm climate η / COPdhw		ηwh % / COPdhw	134 / 3,35
	DHW tank ERP cold climate η / COPdhw		ηwh % / COPdhw	92 / 2,30
	Heat recovery capacity (DHW 55 °C)		kW	7,10 + 9,00
	Heat recovery input power (DHW 55 °C)		kW	3,15
	Heat recovery COP (DHW 55 °C)			5,11
	Water outlet		°C	20 ~ 55
				S-71WF3E
Air to air	Cooling capacity	Nominal	kW	7,10
	EER [3]	Nominal	W/W	3,40
	SEER [4]			**5,60 A+**
	Pdesign (cooling)			7,10
	Heating capacity	Nominal	kW	7,10
	COP [3]	Nominal	W/W	3,90
	SCOP [4]			**3,90 A**
	Pdesign at -10 °C		kW	4,80
	External static pressure [5]		Pa	30 (10 - 150)
	Air flow		m^3/min	22,7
	Sound pressure [6]	Cool / Heat (Hi)	dB(A)	34 / 34
	Sound power [7]	Cool / Heat (Hi)	dB(A)	57 / 57
	Dimension / Net weight	H x W x D	mm / kg	250 x 1000 x 730 / 30
	nanoe X Generator			Mark 2
				CU-2WZ71YBE5
Outdoor unit	Sound pressure	Cool / Heat (air to air)	dB(A)	49 / 49
	Sound power [7]	Cool / Heat (air to air)	dB(A)	68 / 67
	Sound pressure	Heat (air to water)	dB(A)	51
	Sound power [8]	Heat (air to water)	dB(A)	61
	Dimension / Net weight	H x W x D	mm / kg	999 x 940 x 340 / 82
	Refrigerant (R32) / CO_2 Eq.		kg / T	2,40 / 1,62
	Piping diameter	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,70)
	Pipe length range / Elevation difference (in / out)		m / m	35 / 30
	Pre-charged pipe length / Additional gas amount		m / g/m	30 / 20
	Operating range - outdoor ambient	Heat (air to air)	°C	-15 ~ +24
		Cool (air to air)	°C	-10 ~ +46
		Heat (air to water)	°C	-15 ~ +35
		Heat recovery (floor / DHW)	°C	+10 ~ +35 / +10 ~ +46

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) EER and COP calculation is based in accordance to EN 14511. 4) SEER and SCOP is calculated based on values of EU/626/2011. 5) Medium external static pressure setting from factory. 6) The sound pressure of the units shows the value measured of the position 1,5 m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 7) Sound power is measured in accordance with EN 14511 and EN 12102-1:2017 at +7 °C. 8) Sound power in accordance to 811/2013, 813/2013 and EN 12102-1:2017 at +7 °C.

R32 REFRIGERANT | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | DHW | -15 °C HEATING MODE | WATER FILTER WITH MAGNET | FLOW SENSOR | HEAT RECOVERY PORT | ADVANCED CONTROL | WI-FI INCLUDED | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Wi-Fi adapter included.

Aquarea EcoFleX. Single phase · R32

CU-2WZ71YBE5												
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**
-15	4,85	2,15	2,26	4,75	2,28	2,08	4,65	2,44	1,91	4,50	3,20	1,41
-7	5,40	1,70	3,18	5,60	1,97	2,84	5,60	2,40	2,33	5,30	2,78	1,91
2	6,50	1,77	3,67	6,70	2,06	3,25	6,60	2,45	2,69	6,00	2,89	2,08
7	8,16	1,63	5,01	8,00	1,90	4,21	8,00	2,30	3,48	8,00	2,85	2,81
12	8,22	1,28	6,42	8,00	1,52	5,26	8,00	2,00	4,00	8,00	2,60	3,08

Aquarea High Performance Bi-bloc K Series Single phase · R32

WH-UDZ03KE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	2,50	1,11	2,25	2,52	1,31	1,92	2,24	1,59	1,41	2,12	1,80	1,18	—	—	—
-15	3,00	1,14	2,63	3,20	1,37	2,34	3,00	1,62	1,85	2,75	1,92	1,43	—	—	—
-7	2,99	0,91	3,29	3,30	1,18	2,80	3,25	1,47	2,21	3,20	1,79	1,79	3,00	1,88	1,60
2	2,92	0,69	4,23	3,20	0,88	3,64	3,20	1,13	2,83	3,20	1,46	2,19	3,15	1,67	1,89
7	3,09	0,49	6,31	3,20	0,60	5,33	3,20	0,84	3,81	3,20	1,14	2,81	2,95	1,22	2,42
WH-UDZ05KE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	—	—	—	4,05	1,95	2,08	3,76	2,20	1,71	3,39	2,48	1,37	—	—	—
-15	—	—	—	5,00	2,11	2,37	4,75	2,49	1,91	4,30	2,61	1,65	—	—	—
-7	—	—	—	5,00	1,79	2,79	5,00	2,14	2,34	5,00	2,65	1,89	4,68	2,71	1,73
2	—	—	—	5,00	1,40	3,57	5,00	1,79	2,79	5,00	2,18	2,29	4,80	2,40	2,00
7	—	—	—	5,00	0,98	5,10	5,00	1,31	3,82	5,00	1,65	3,03	4,58	1,90	2,41
WH-UDZ07KE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	—	—	—	4,45	2,12	2,10	4,23	2,48	1,71	3,90	2,85	1,37	—	—	—
-15	—	—	—	5,60	2,38	2,35	5,30	2,78	1,91	5,00	3,20	1,56	—	—	—
-7	—	—	—	5,75	1,95	2,95	5,65	2,30	2,46	5,35	2,70	1,98	4,98	2,90	1,72
2	—	—	—	6,85	2,00	3,43	6,75	2,40	2,81	6,25	2,80	2,23	6,18	2,91	2,12
7	—	—	—	7,00	1,44	4,86	7,00	1,92	3,65	7,00	2,40	2,92	6,86	2,73	2,51
WH-UDZ09KE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	—	—	—	4,95	2,43	2,04	4,58	2,70	1,70	4,04	3,00	1,35	—	—	—
-15	—	—	—	7,40	3,20	2,31	6,45	3,28	1,97	5,40	3,42	1,58	—	—	—
-7	—	—	—	6,25	2,20	2,84	6,10	2,68	2,28	5,90	3,06	1,93	5,65	3,24	1,74
2	—	—	—	7,00	2,06	3,40	6,85	2,50	2,74	6,30	2,89	2,18	7,26	3,31	2,19
7	—	—	—	9,00	1,98	4,55	9,00	2,58	3,49	8,90	3,04	2,93	8,60	3,42	2,51
WH-UDZ12KE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	—	—	—	8,80	4,42	1,99	8,00	4,95	1,62	7,00	5,65	1,24	—	—	—
-15	—	—	—	9,10	3,70	2,46	8,20	4,00	2,05	7,20	4,21	1,71	—	—	—
-7	—	—	—	10,10	3,69	2,74	9,30	4,29	2,17	8,40	4,27	1,97	7,30	4,40	1,66
2	—	—	—	11,50	3,34	3,44	10,70	3,78	2,83	9,20	4,09	2,25	8,20	4,40	1,86
7	—	—	—	12,10	2,53	4,78	12,00	3,38	3,55	12,00	4,06	2,96	10,20	4,26	2,39

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Input Power (kW).
This data is measured by Panasonic in accordance with EN 14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.