

## Aquarea High Performance Mono-bloc H Generation 1 Phase • R410A

### Aquarea, an innovative new low-energy system based on Air to Water heat pump technology

Aquarea warms your home effectively and efficiently, even with extreme outdoor temperatures. Aquarea can also cool space in summer and bring hot water all year round.

Aquarea High Performance is the range for new installations and low consumption homes. Outstanding efficiency and energy savings with minimised CO2 emissions and minimum space.

The Mono-Bloc system: This only has an outdoor unit. The installation doesn't require a refrigerated connection and is only connected to the heating and/or hot water.

- A+++ energy Class (average climate at 35°C water outlet)
- High heating and cooling capacities, even at low outdoor temperatures
- Special software for low consumption homes with minimum output temperature: 20°C
- Works at temperatures as low as -20°C
- Cloud control and service with CZ-TAW1
- Easy-to-use remote controller
- Domestic hot water with external tank
- Easy installation and maintenance
- Built-in flow meter, and automatic air purge valve



### Aquarea Smart Cloud. Styring til i dag og i morgen

[TIL SLUTBRUGERE](#)

[TIL INSTALLATØRER/VEDLIGEHOLDELSE](#)



### Luft-/vandvarmepumpe

Systemer til opvarmning, nedkøling og varmt vand i hjemmet for en grønnere fremtid.

[SAMMENLIGN LØSNINGER](#)



Aqueara High Performance Mono-bloc H Generation 1 Phase • R410A		Enkeltfaser				
		5 kW	7 kW	9 kW	12 kW	16 kW
Outdoor unit		WH-MDC05H3E5	WH-MDC07H3E5	WH-MDC09H3E5	WH-MDC12H6E5	WH-MDC16H6E5
Heating capacity (A +7°C, W 35°C)	kW	5,00	7,00	9,00	12,00	16,00
COP (A +7°C, W 35°C)		5,08	4,52	4,29	4,74	4,28
Heating capacity (A +7°C, W 55°C)	kW	5,00	7,00	9,00	12,00	14,50
COP (A +7°C, W 55°C)		2,84	2,83	2,72	2,93	2,72
Heating capacity (A +2°C, W 35°C)	kW	4,80	6,60	6,80	11,40	13,00
COP (A +2°C, W 35°C)		3,36	3,30	3,18	3,44	3,28
Heating capacity (A +2°C, W 55°C)	kW	4,00	6,30	6,30	9,10	9,80
COP (A +2°C, W 55°C)		2,33	2,22	2,13	2,23	2,21
Heating capacity (A -7°C, W 35°C)	kW	4,70	5,50	6,40	10,00	11,40
COP (A -7°C, W 35°C)		2,85	2,70	2,60	2,73	2,57
Heating capacity (A -7°C, W 55°C)	kW	4,30	5,00	5,80	8,20	9,00
COP (A -7°C, W 55°C)		1,89	1,82	1,78	1,95	1,84
Cooling capacity (A 35°C, W 7°C)	kW	4,50	6,00	7,00	10,00	12,20
EER (A 35°C, W 7°C)		3,28	2,78	2,60	2,81	2,56
Cooling capacity (A 35°C, W 18°C)	kW	5,10	6,00	7,00	10,00	12,20
EER (A 35°C, W 18°C)		5,10	3,87	3,59	4,65	4,12
Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C)	ηs %	199 / 139	190 / 130	190 / 130	190 / 134	190 / 130
Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	5,05 / 3,55	4,83 / 3,33	4,83 / 3,33	4,83 / 3,43	4,83 / 3,33
Heating average climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C)	ηs %	237 / 161	225 / 160	225 / 160	245 / 159	245 / 169
Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	6,00 / 4,10	5,70 / 4,08	5,70 / 4,08	6,20 / 4,05	6,20 / 4,30
Heating warm climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C)	ηs %	160 / 115	160 / 115	160 / 115	168 / 121	168 / 121
Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	4,08 / 2,95	4,08 / 2,95	4,08 / 2,95	4,28 / 3,10	4,28 / 3,10
Heating cold climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Outdoor sound power part load (Heat) (1)	dB(A)	55	59	59	65	65
Outdoor sound power full load (Heat)	dB(A)	65	68	69	69	72
Outdoor sound power full load (Cool)	dB(A)	65	66	67	68	72
Outdoor dimension (Height)	mm	865	865	865	1410	1410
Outdoor dimension (Width)	mm	1283	1283	1283	1283	1283
Outdoor dimension (Depth)	mm	320	320	320	320	320
Outdoor net weight	kg	94	104	104	140	140
Refrigerant (R32) / CO2 Eq. (2)	kg / T	1,30 / 2714	1,35 / 2819	1,35 / 2819	2,10 / 4,385	2,10 / 4,385
Refrigerant (R410A) / CO2 Eq. (2)	kg / T	1,30 / 2714	1,35 / 2819	1,35 / 2819	2,10 / 4,385	2,10 / 4,385
Water pipe connector	Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
Pump (Number of speeds)		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
Pump (Input power Min)	W	34	36	39	34	38
Pump (Input power Max)	W	96	100	108	110	120
Heating water flow (ΔT=5 K, 35°C)	L/min	14,30	20,10	25,80	34,40	45,90
Capacity of integrated electric heater	kW	3,00	3,00	3,00	6,00	6,00
Input power (Heat)	kW	0,99	1,55	2,10	2,53	3,74
Input power (Cool)	kW	1,37	2,16	2,69	3,56	4,76
Running and starting current (Heat)	A	4,7	7,2	9,6	11,7	16,9
Running and starting current (Cool)	A	6,3	9,9	12,2	16,2	21,5
Current 1	A	13	21	22,9	24	26
Current 2	A	13	13	13	26	26
Indoor recommended fuse	A	30 / 15	30 / 15	30 / 16	30 / 30	30 / 30
Recommended cable size, supply 1	mm²	3 x 4,0 or 6,0	3 x 4,0 or 6,0	3 x 4,0 or 6,0	3 x 4,0 or 6,0	3 x 4,0 or 6,0
Recommended cable size, supply 2	mm²	3 x 4,0	3 x 4,0	3 x 4,0	3 x 4,0	3 x 4,0
Operation range - outdoor temperature (Heat)	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet (Heat)	°C	20 ~ 55	20 ~ 55	20 ~ 55	25 ~ 55	25 ~ 55
Water outlet (Cool)	°C	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20

(1) Sound power in accordance to 8112013,81312013 and EN12102-1:2017 at +7°C.

(2) WH-MDC models are hermetically sealed.

EER and COP calculation is based in accordance to EN14511.

## Supplerende produkter

