



Aquantia PRO

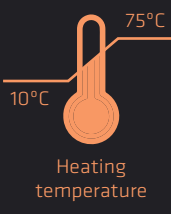
Kaysun presents its Air-Water systems, which by means of a heat pump perfectly cover the demands of air conditioning, heating and domestic hot water in your home. These highly energy efficient systems are well known for their ability to drastically reduce domestic electrical consumption. Only Kaysun can combine the latest technology and innovation to create Kaysun Aquantia, the system that provides your home with maximum comfort and energy performance throughout the year.

Water outlet up to 75°C

With the new Aquantia KHP-MO HT you can reach up to 75°C LWT at an outdoor temperature of -10°C and up to 60°C with an outdoor temperature of -20°C. Aquantia PRO range assures thermal comfort under any conditions.

DOMESTIC HOT WATER

Water Temperature up to 75°C at an outdoor-temperature of -10°C



Heating temperature

Smart, flexible system

The system self-regulates based on changes in outdoor temperature and the energy requirements of the installation or home in order to provide the optimum results at all times.



Smart Home and BMS

The wired control included allows the user to enjoy a pleasant, intuitive experience capable of satisfying zoning needs of any nature. The possibility to control and monitor an installation using the Comfort Home app via Wifi and its integration with Amazon Alexa and Google Assistant makes the user experience even more enjoyable and, above all, efficient. Direct integration with ModBus RTU systems is also available.



HP Keymark certification

The Aquantia PRO and Compak range solutions have HP Keymark certification. All technical specifications are certified to meet the most rigorous standards.





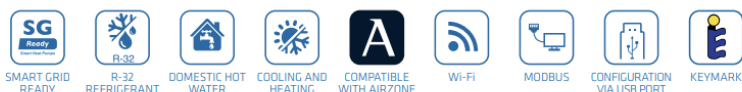
Set model		KHPIS-BI 4 PRO L	KHPIS-BI 4 PRO XL	KHPIS-BI 6 PRO L	KHPIS-BI 6 PRO XL
Heating capacity / COP (A+7°C / W+35°C)	kW	4.25 / 5.20	4.25 / 5.20	6.20 / 5.00	6.20 / 5.00
Heating capacity / COP (A+7°C / W+55°C)	kW	4.40 / 2.95	4.40 / 2.95	6.00 / 3.00	6.00 / 3.00
Heating capacity / COP (A-7°C / W+35°C)	kW	4.70 / 3.10	4.70 / 3.10	6.00 / 3.00	6.00 / 3.00
Heating capacity / COP (A-7°C / W+55°C)	kW	4.00 / 1.95	4.00 / 1.95	5.15 / 2.00	5.15 / 2.00
Cooling capacity / EER (A+35°C / W+18°C)	kW	4.50 / 5.55	4.50 / 5.55	6.55 / 4.90	6.55 / 4.90
Cooling capacity / EER (A+35°C / W+7°C)	kW	4.70 / 3.45	4.70 / 3.45	7.00 / 3.00	7.00 / 3.00
Average heating climate (W+35°C / W+55°C). η,s		191 / 130	191 / 130	195 / 138	195 / 138
Average heating climate (W+35°C / W+55°C). SCOP		4.85 / 3.31	4.85 / 3.31	4.95 / 3.52	4.95 / 3.52
Average heating climate (W+35°C / W+55°C). Energy class		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Warm heating climate (W+35°C / W+55°C). η,s		254 / 162	254 / 162	258 / 165	258 / 165
Warm heating climate (W+35°C / W+55°C). SCOP		6.52 / 4.14	6.52 / 4.14	6.63 / 4.19	6.63 / 4.19
Cold heating climate (W+35°C / W+55°C). η,s		159 / 102	159 / 102	165 / 111	165 / 111
Cold heating climate (W+35°C / W+55°C). SCOP		4.06 / 2.63	4.06 / 2.63	4.21 / 2.85	4.21 / 2.85
Chilling efficiency (W+7°C / W+18°C). Keymark certification. η,s,c		197 / 308	197 / 308	211 / 325	211 / 325
Chilling efficiency (W+7°C / W+18°C). Keymark certification. SEER		4.99 / 7.77	4.99 / 7.77	5.34 / 8.21	5.34 / 8.21
Average climate in DHW. Keymark certification. η,ACS		127	136	127	136
Average climate in DHW. Keymark certification. SCOP,ACS		3.10	3.34	3.10	3.34
Average climate in DHW. Keymark certification. Energy class / Thread		A+ / L	A+ / XL	A+ / L	A+ / XL
Water outlet temperature; Heating min. / max.	°C	25 / 65	25 / 65	25 / 65	25 / 65
Water outlet temperature; Cooling min. / max.	°C	5 / 25	5 / 25	5 / 25	5 / 25
Water outlet temperature; DHW min. / max.	°C	30 / 65	30 / 65	30 / 65	30 / 65
Water pipe connections		1" / 3/4"	1" / 3/4"	1" / 3/4"	1" / 3/4"
> Outdoor unit		KHP-BI 4 DVR2	KHP-BI 4 DVR2	KHP-BI 6 DVR2	KHP-BI 6 DVR2
Width / Height / Depth	mm	1008 / 712 / 426	1008 / 712 / 426	1008 / 712 / 426	1008 / 712 / 426
Net weight	kg	58	58	58	58
Sound pressure	dB(A)	44	44	45	45
Sound power		56	56	58	58
Power supply	V/ph/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Max. intensity	A	18	18	18	18
Electrical heater support	W	3000		3000	
Refrigerant, Type refrigerant		R-32	R-32	R-32	R-32
Refrigerant, Refrigerant charge	kg	1.5	1.5	1.5	1.5
Refrigerant, Max. vertical distance with outdoor unit at the top	m	30	30	30	30
Refrigerant; Max. horizontal distance	m	50	50	50	50
Refrigerant, Liquid pipe	inch	1/4"	1/4"	1/4"	1/4"
Refrigerant, Gas pipe	inch	5/8"	5/8"	5/8"	5/8"
> Indoor unit		KHPI-BI-10VR2L	KHPI-BI-10VR2XL	KHPI-BI-10VR2L	KHPI-BI-10VR2XL
Width / Height / Depth	mm	600 / 1683 / 600	600 / 1943 / 600	600 / 1683 / 600	600 / 1943 / 600
Net weight	kg	139	155	139	155
Capacity	l	190	240	190	240
Sound power		38	38	38	38
Sound pressure rated	dB(A)	22	22	24	24
Power supply		220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Max. intensity	A	14.3	14.3	14.3	14.3
Backup electrical resistor	kW	3	3	3	3
Maximum pump pressure available		8.5	8.5	8.5	8.5
> Working range					
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 43	-5 / 43	-5 / 43	-5 / 43
Outdoor ambient temperature for heating min. / max.	°C	-25 / 35	-25 / 35	-25 / 35	-25 / 35
Outdoor ambient temperature for DHW min. / max.	°C	-25 / 43	-25 / 43	-25 / 43	-25 / 43

Supplementary charge: The initial charging is valid for the first 15 m (liquid line). For greater distances, a supplementary charge of 0.020 kg/m is required per each additional metre for models 4/6, and 0.038 kg/m per each additional metre for models 8/10/12/14/16.

(*) The power supply for indoor units is single-phase 220-240 V/1/50 Hz.

Aquantia KHPIS-BI PRO

Aquantia Bibloc Integrated



Set model		KHPIS-BI 8 PRO L	KHPIS-BI 8 PRO XL	KHPIS-BI 10 PRO L	KHPIS-BI 10 PRO XL
Heating capacity / COP (A+7°C / W+35°C)	kW	8.3 / 5.2	8.3 / 5.2	10 / 5	10 / 5
Heating capacity / COP (A+7°C / W+55°C)	kW	7.5 / 3.18	7.5 / 3.18	9.5 / 3.1	9.5 / 3.1
Heating capacity / COP (A-7°C / W+35°C)	kW	7.00 / 3.20	7.00 / 3.20	8.00 / 3.05	8.00 / 3.05
Heating capacity / COP (A-7°C / W+55°C)	kW	6.15 / 2.05	6.15 / 2.05	6.85 / 2.00	6.85 / 2.00
Cooling capacity / EER (A+35°C / W+18°C)	kW	8.4 / 5.05	8.4 / 5.05	10 / 4.80	10 / 4.80
Cooling capacity / EER (A+35°C / W+7°C)	kW	7.4 / 3.38	7.4 / 3.38	8.2 / 3.3	8.2 / 3.3
Average heating climate (W+35°C / W+55°C). η_s		205 / 132	205 / 132	205 / 137	205 / 137
Average heating climate (W+35°C / W+55°C). SCOP		5.21 / 3.36	5.21 / 3.36	5.19 / 3.49	5.19 / 3.49
Average heating climate (W+35°C / W+55°C). Energy class		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Warm heating climate (W+35°C / W+55°C). η_s		273 / 176	273 / 176	279 / 180	279 / 180
Warm heating climate (W+35°C / W+55°C). SCOP		6.99 / 4.47	6.99 / 4.47	7.12 / 4.58	7.12 / 4.58
Cold heating climate (W+35°C / W+55°C). η_s		170 / 112	170 / 112	170 / 116	170 / 116
Cold heating climate (W+35°C / W+55°C). SCOP		4.32 / 2.88	4.32 / 2.88	4.32 / 2.99	4.32 / 2.99
Chilling efficiency (W+7°C / W+18°C). Keymark certification. $\eta_{s,c}$		230 / 355	230 / 355	236 / 348	236 / 348
Chilling efficiency (W+7°C / W+18°C). Keymark certification. SEER		5.83 / 8.95	5.83 / 8.95	5.98 / 8.78	5.98 / 8.78
Average climate in DHW. Keymark certification. η_{ACS}		125	137	125	137
Average climate in DHW. Keymark certification. SCOP,ACS		3.02	3.36	3.02	3.36
Average climate in DHW. Keymark certification. Energy class / Thread		A+ / L	A+ / XL	A+ / L	A+ / XL
Water outlet temperature; Heating min. / max.	°C	25 / 65	25 / 65	25 / 65	25 / 65
Water outlet temperature; Cooling min. / max.	°C	5 / 25	5 / 25	5 / 25	5 / 25
Water outlet temperature; DHW min. / max.	°C	30 / 65	30 / 65	30 / 65	30 / 65
Water pipe connections		1" / 3/4"	1" / 3/4"	1" / 3/4"	1" / 3/4"
> Outdoor unit		KHP-BI 8 DVR2	KHP-BI 8 DVR2	KHP-BI 10 DVR2	KHP-BI 10 DVR2
Width / Height / Depth	mm	1118 / 865 / 523	1118 / 865 / 523	1118 / 865 / 523	1118 / 865 / 523
Net weight	kg	77	77	77	77
Sound pressure	dB(A)	46	46	49	49
Sound power		59	59	60	60
Power supply	V/ph/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Max. intensity	A	19	19	19	19
Electrical heater support	W	3000	3000	3000	3000
Refrigerant, Type refrigerant		R-32	R-32	R-32	R-32
Refrigerant, Refrigerant charge	kg	1.65	1.65	1.65	1.65
Refrigerant, Max. vertical distance with outdoor unit at the top	m	30	30	30	30
Refrigerant; Max. horizontal distance	m	50	50	50	50
Refrigerant, Liquid pipe	inch	3/8"	3/8"	3/8"	3/8"
Refrigerant, Gas pipe	inch	5/8"	5/8"	5/8"	5/8"
> Indoor unit		KHPI-BI-10VR2L	KHPI-BI-10VR2XL	KHPI-BI-10VR2L	KHPI-BI-10VR2XL
Width / Height / Depth	mm	600 / 1683 / 600	600 / 1943 / 600	600 / 1683 / 600	600 / 1943 / 600
Net weight	kg	139	155	139	155
Capacity	l	190	240	190	240
Sound power		40	40	40	40
Sound pressure rated	dB(A)	22	22	22	22
Power supply		220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Max. intensity	A	14.3	14.3	14.3	14.3
Backup electrical resistor	kW	3	3	3	3
Maximum pump pressure available		8.5	8.5	8.5	8.5
> Working range					
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 43	-5 / 43	-5 / 43	-5 / 43
Outdoor ambient temperature for heating min. / max.	°C	-25 / 35	-25 / 35	-25 / 35	-25 / 35
Outdoor ambient temperature for DHW min. / max.	°C	-25 / 43	-25 / 43	-25 / 43	-25 / 43

Supplementary charge: The initial charging is valid for the first 15 m (liquid line). For greater distances, a supplementary charge of 0.020 kg/m is required per each additional metre for models 4/6, and 0.038 kg/m per each additional metre for models 8/10/12/14/16.

(*) The power supply for indoor units is single-phase 220-240 V/1/50 Hz.



Set model		KHPIS-BI 12 PRO XL	KHPIS-BI 14 PRO XL	KHPIS-BI 16 PRO XL
Heating capacity / COP (A+7°C / W+35°C)	kW	12.10 / 4.95	14.50 / 4.70	16.0 / 4.5
Heating capacity / COP (A+7°C / W+55°C)	kW	12.00 / 3.1	13.80 / 3.00	16.0 / 2.9
Heating capacity / COP (A-7°C / W+35°C)	kW	10.00 / 3.00	12.00 / 2.85	13.10 / 2.70
Heating capacity / COP (A-7°C / W+55°C)	kW	9.80 / 2.05	11.00 / 2.05	12.50 / 2.00
Cooling capacity / EER (A+35°C / W+18°C)	kW	12.00 / 4.00	13.50 / 3.60	14.9 / 3.4
Cooling capacity / EER (A+35°C / W+7°C)	kW	11.60 / 2.75	12.70 / 2.55	14.0 / 2.45
Average heating climate (W+35°C / W+55°C). η_s		189 / 135	186 / 136	182 / 133
Average heating climate (W+35°C / W+55°C). SCOP		4.81 / 3.45	4.72 / 3.47	4.62 / 3.41
Average heating climate (W+35°C / W+55°C). Energy class		A+++ / A++	A+++ / A++	A+++ / A++
Warm heating climate (W+35°C / W+55°C). η_s		256 / 174	260 / 177	249 / 176
Warm heating climate (W+35°C / W+55°C). SCOP		6.53 / 4.43	6.63 / 4.49	6.33 / 4.48
Cold heating climate (W+35°C / W+55°C). η_s		160 / 118	160 / 119	158 / 122
Cold heating climate (W+35°C / W+55°C). SCOP		4.08 / 3.02	4.07 / 3.05	4.02 / 3.12
Chilling efficiency (W+7°C / W+18°C). Keymark certification. η_s, c		192 / 281	191 / 273	184 / 267
Chilling efficiency (W+7°C / W+18°C). Keymark certification. SEER		4.89 / 7.1	4.86 / 6.90	4.69 / 6.75
Average climate in DHW. Keymark certification. η_{ACS}		123	123	123
Average climate in DHW. Keymark certification. SCOP,ACS		3	3	3
Average climate in DHW. Keymark certification. Energy class / Thread		A+ / XL	A+ / XL	A+ / XL
Water outlet temperature; Heating min. / max.	°C	25 / 65	25 / 65	25 / 65
Water outlet temperature; Cooling min. / max.	°C	5 / 25	5 / 25	5 / 25
Water outlet temperature; DHW min. / max.	°C	30 / 65	30 / 65	30 / 65
Water pipe connections		1" / 3/4"	1" / 3/4"	1" / 3/4"
> Outdoor unit		KHP-BI 12 DVR2	KHP-BI 14 DVR2	KHP-BI 16 DVR2
Width / Height / Depth	mm	1118 / 865 / 523	1118 / 865 / 523	1118 / 865 / 523
Net weight	kg	96	96	96
Sound pressure	dB(A)	50	51	55
Sound power		64	65	68
Power supply	V/ph/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Max. intensity	A	30	30	30
Electrical heater support	W	3000	3000	3000
Refrigerant, Type refrigerant		R-32	R-32	R-32
Refrigerant, Refrigerant charge	kg	1.84	1.84	1.84
Refrigerant, Max. vertical distance with outdoor unit at the top	m	30	30	30
Refrigerant; Max. horizontal distance	m	50	50	50
Refrigerant, Liquid pipe	inch	3/8"	3/8"	3/8"
Refrigerant, Gas pipe	inch	5/8"	5/8"	5/8"
> Indoor unit		KHPI-BI-16VR2XL	KHPI-BI-16VR2XL	KHPI-BI-16VR2XL
Width / Height / Depth	mm	600 / 1943 / 600	600 / 1943 / 600	600 / 1943 / 600
Net weight	kg	155	155	155
Capacity	l	240	240	240
Sound power		42	44	44
Sound pressure rated	dB(A)	24	25	24
Power supply		220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Max. intensity	A	14.3	14.3	14.3
Backup electrical resistor	kW	3	3	3
Maximum pump pressure available		8.5	8.5	8.5
> Working range				
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 43	-5 / 43	-5 / 43
Outdoor ambient temperature for heating min. / max.	°C	-25 / 35	-25 / 35	-25 / 35
Outdoor ambient temperature for DHW min. / max.	°C	-25 / 43	-25 / 43	-25 / 43

Supplementary charge: The initial charging is valid for the first 15 m (liquid line). For greater distances, a supplementary charge of 0.020 kg/m is required per each additional metre for models 4/6, and 0.038 kg/m per each additional metre for models 8/10/12/14/16.

(*): The power supply for indoor units is single-phase 220-240 V/1/50 Hz.

Aquantia KHPIS-BI PRO

Aquantia Bibloc Integrated

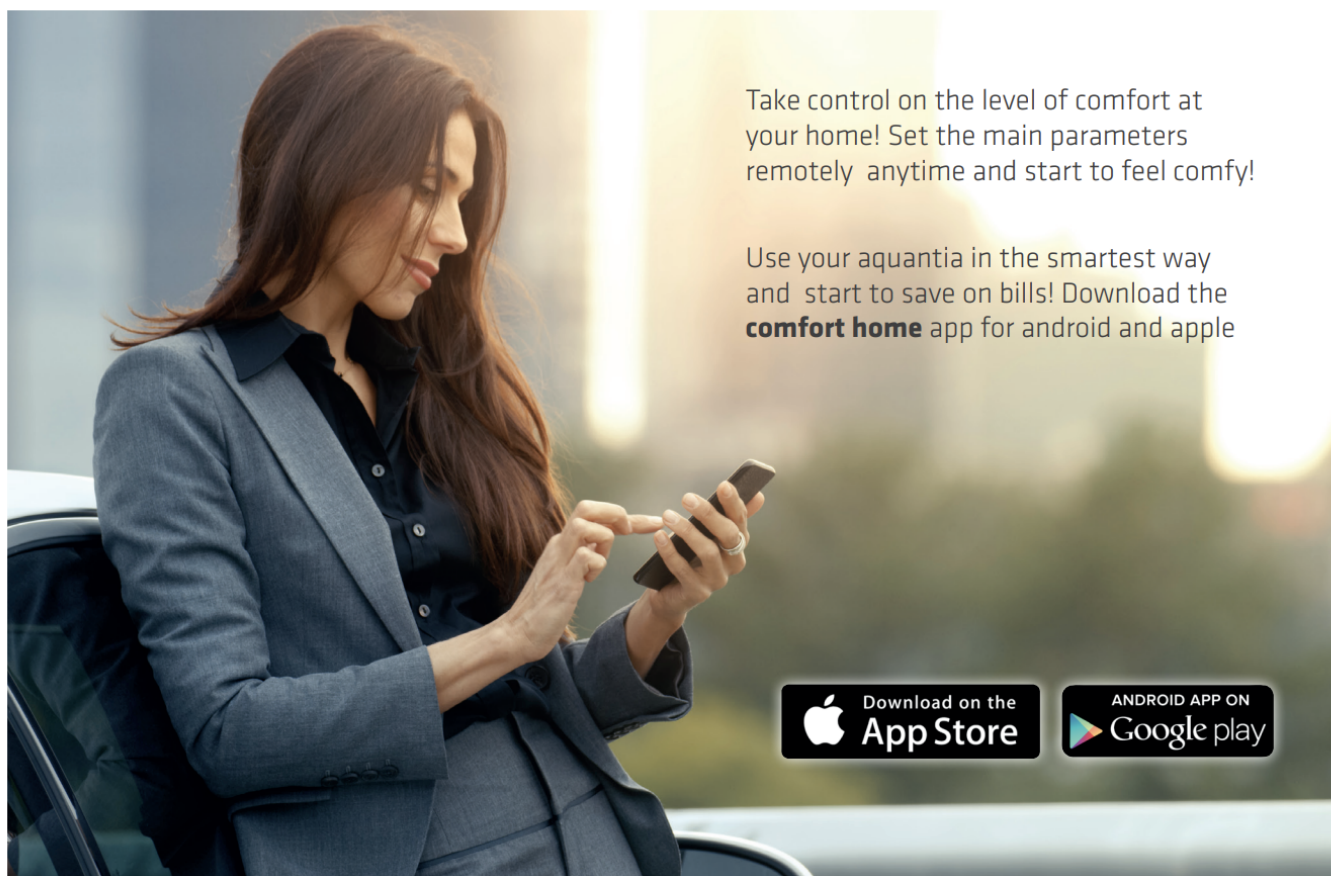


Set model		KHPIS-BI 14T PRO XL	KHPIS-BI 16T PRO XL
Heating capacity / COP (A+7°C / W+35°C)	kW	14.50 / 4.70	16.0 / 4.5
Heating capacity / COP (A+7°C / W+55°C)	kW	13.80 / 3.00	16.0 / 2.9
Heating capacity / COP (A-7°C / W+35°C)	kW	12.00 / 2.85	13.10 / 2.70
Heating capacity / COP (A-7°C / W+55°C)	kW	11.00 / 2.05	12.50 / 2.00
Cooling capacity / EER (A+35°C / W+18°C)	kW	13.50 / 3.60	14.9 / 3.4
Cooling capacity / EER (A+35°C / W+7°C)	kW	12.70 / 2.55	14 / 2.45
Average heating climate (W+35°C / W+55°C). η_s		186 / 136	182 / 133
Average heating climate (W+35°C / W+55°C). SCOP		4.72 / 3.47	4.62 / 3.41
Average heating climate (W+35°C / W+55°C). Energy class		A+++ / A++	A+++ / A++
Warm heating climate (W+35°C / W+55°C). η_s		260 / 176	248 / 176
Warm heating climate (W+35°C / W+55°C). SCOP		6.63 / 4.48	6.33 / 4.47
Cold heating climate (W+35°C / W+55°C). η_s		160 / 119	158 / 122
Cold heating climate (W+35°C / W+55°C). SCOP		4.06 / 3.05	4.02 / 3.12
Chilling efficiency (W+7°C / W+18°C). Keymark certification. $\eta_{s,c}$		190 / 271	184 / 265
Chilling efficiency (W+7°C / W+18°C). Keymark certification. SEER		4.83 / 6.85	4.67 / 6.71
Average climate in DHW. Keymark certification. η_{ACS}		123	123
Average climate in DHW. Keymark certification. SCOP,ACS		3	3
Average climate in DHW. Keymark certification. Energy class / Thread		A+ / XL	A+ / XL
Water outlet temperature; Heating min. / max.	°C	25 / 65	25 / 65
Water outlet temperature; Cooling min. / max.	°C	5 / 25	5 / 25
Water outlet temperature; DHW min. / max.	°C	30 / 65	30 / 65
Water pipe connections		1" / 3/4"	1" / 3/4"
> Outdoor unit		KHP-BI 14T DVR2	KHP-BI 16T DVR2
Width / Height / Depth	mm	1118 / 865 / 523	1118 / 865 / 523
Net weight	kg	112	112
Sound pressure	dB(A)	51	55
Sound power		65	68
Power supply	V/ph/Hz	380-415 / 3 / 50	380-415 / 3 / 50
Max. intensity	A	14	14
Electrical heater support	W	3000	Adjustable 9000/6000/3000
Refrigerant, Type refrigerant		R-32	R-32
Refrigerant, Refrigerant charge	kg	1.84	1.84
Refrigerant, Max. vertical distance with outdoor unit at the top	m	30	30
Refrigerant; Max. horizontal distance	m	50	50
Refrigerant, Liquid pipe	inch	3/8"	3/8"
Refrigerant, Gas pipe	inch	5/8"	5/8"
> Indoor unit		KHPI-BI-16VR2XL	KHPI-BI-16VR2XL
Width / Height / Depth	mm	600 / 1943 / 600	600 / 1943 / 600
Net weight	kg	155	155
Capacity	l	240	240
Sound power		42	44
Sound pressure rated	dB(A)	24	25
Power supply		220-240 / 1 / 50	220-240 / 1 / 50
Max. intensity	A	14.3	14.3
Backup electrical resistor	kW	3	3
Maximum pump pressure available		8.5	8.5
> Working range			
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 43	-5 / 43
Outdoor ambient temperature for heating min. / max.	°C	-25 / 35	-25 / 35
Outdoor ambient temperature for DHW min. / max.	°C	-25 / 43	-25 / 43

Supplementary charge: The initial charging is valid for the first 15 m (liquid line). For greater distances, a supplementary charge of 0.020 kg/m is required per each additional metre for models 4/6, and 0.038 kg/m per each additional metre for models 8/10/12/14/16.

(*) The power supply for indoor units is single-phase 220-240 V/1/50 Hz.

Aquantia PRO sets are now connected

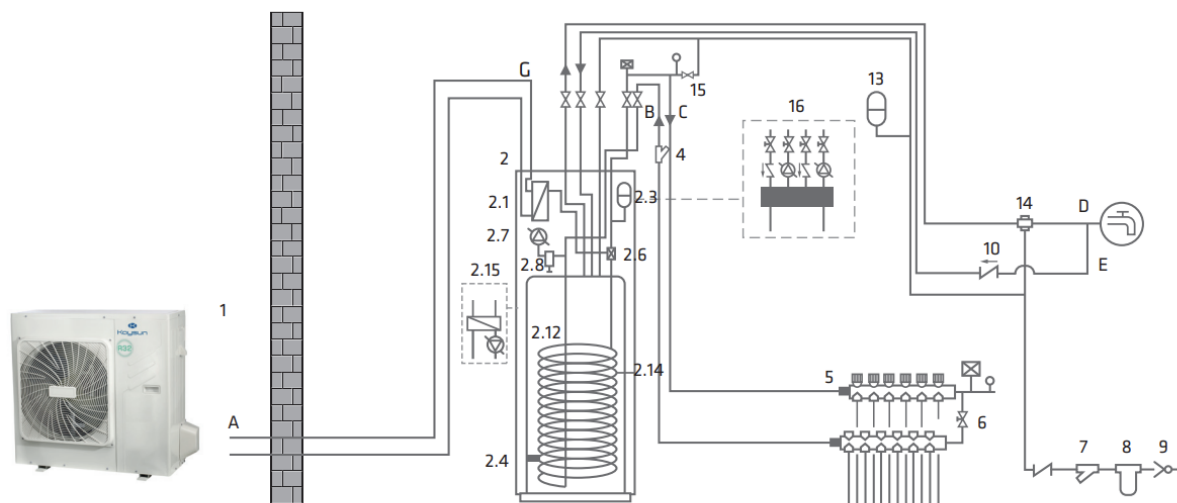


Take control on the level of comfort at your home! Set the main parameters remotely anytime and start to feel comfy!

Use your aquantia in the smartest way and start to save on bills! Download the **comfort home** app for android and apple



KHPIS-BI PRO, simplified installation diagram



- 1. Outdoor unit
- 2. Indoor unit
- 2.1. Gas-water exchanger
- 2.3. Expansion vessel
- 2.4. Security valve
- 2.6. 3WV DHW
- 2.7. ACS pump
- 2.8. Filter

- 2.12. DHW tank
- 2.14. Backup heater DHW
- 2.15. PV kit
- 2.15. Y filter
- 5. Collectors
- 6. Collectors bypass
- 7. DHW filter
- 8. Water inlet treatment

- 9. Pressure reducer
- 10. Recirculation's backflow valve
- 13. DHW expansion vessel
- 14. Thermostatic valve
- 16. KIRE2HLX
- 19. Buffer tank

- A) Gas piping
- B) Return
- C) Impulsion
- D) DHW
- E) DHW recirculation
- F) Water inlet
- G) Gas

This installation diagram is a simplified version, for further information please visit our website, check the Aquatix range manuals or contact our presales department.

Aquantia KHPMS-BI PRO

Aquantia Bibloc Wall-mounted



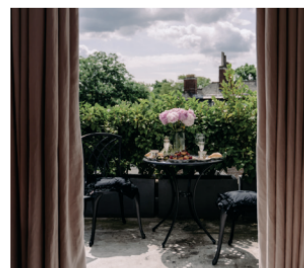
The KHPMS-BI PRO assembly is the **multi-task modular solution** from the Aquantia PRO range that provides thermal comfort for medium to large spaces. Thanks to the possibility of discharging water up to 65°C with an external temperature of 5°C, it can provide heating via **high-efficiency radiators, fancoils and underfloor heating, and accumulate domestic hot water at 60°C**, or even work in cooling mode. The new USB port allows the unit to be set in a few seconds and diagnostics to be performed in order to **minimise the startup or maintenance time**. Thanks to its special design, the unit is **so silent** that it could be confused with the

typical sounds of a natural setting when operating. The use of top-quality components provides the KHPMS-BI PRO with the **highest possible ratings under the ErP directive** and the ability to be considered as a renewable energy system. Its performance promotes energy saving, care of the planet and savings on bills. The wired control included with the indoor unit allows the user to **enjoy a pleasant intuitive experience** capable of satisfying all manner of needs and zoning. The possibility to control and monitor an installation using the Comfort Home app makes the user experience even more enjoyable and, above all, efficient.



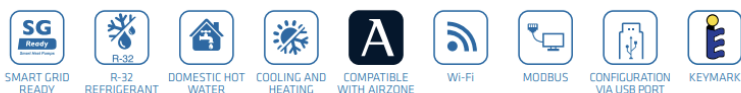
Renew the installation and save!

Minimalist design indoor unit and selected materials, perfect to replace wall gas boilers and heaters. * The radiators are for the sole purpose of heating.



Use patios and balconies

Just one fan for all units up to 16 kW, minimizing the used space and providing greater use of covers and patios/balconies.



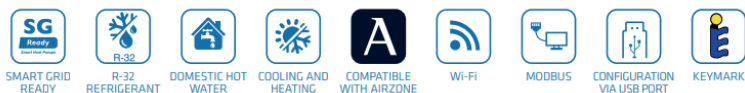
Set model		KHPMS-BI 4 PRO	KHPMS-BI 6 PRO	KHPMS-BI 8 PRO
Heating capacity / COP (A+7°C / W+35°C)	kW	4,25 / 5,2	6,2 / 5	8,3 / 5,2
Heating capacity / COP (A+7°C / W+55°C)	kW	4,4 / 2,95	6 / 3	7,5 / 3,18
Heating capacity / COP (A-7°C / W+35°C)	kW	4,7 / 3,1	6 / 3	7 / 3,2
Heating capacity / COP (A-7°C / W+55°C)	kW	4 / 1,95	5,15 / 2	6,15 / 2,05
Cooling capacity / EER (A+35°C / W+18°C)	kW	4,5 / 0,81	6,55 / 1,34	8,4 / 1,66
Cooling capacity / EER (A+35°C / W+7°C)	kW	4,7 / 3,45	7 / 3	7,4 / 3,38
Average heating climate (W+35°C / W+55°C). η,s		191 / 130	195 / 138	206 / 132
Average heating climate (W+35°C / W+55°C). SCOP		4,85 / 3,31	4,95 / 3,52	5,22 / 3,36
Average heating climate (W+35°C / W+55°C). Energy class		A+++ / A++	A+++ / A++	A+++ / A++
Warm heating climate (W+35°C / W+55°C). η,s		255 / 162	260 / 165	277 / 177
Warm heating climate (W+35°C / W+55°C). SCOP		6,46 / 4,14	6,57 / 4,19	6,99 / 4,5
Cold heating climate (W+35°C / W+55°C). η,s		160 / 102	165 / 111	170 / 112
Cold heating climate (W+35°C / W+55°C). SCOP		4,06 / 2,63	4,21 / 2,85	4,33 / 2,88
Chilling efficiency (W+7°C / W+18°C). Keymark certification. η,s,c		197 / 308	211 / 325	230 / 355
Chilling efficiency (W+7°C / W+18°C). Keymark certification. SEER		4,99 / 7,77	5,34 / 8,21	5,83 / 8,95
Water outlet temperature; Heating min. / max.	°C	25 / 65	25 / 65	25 / 65
Water outlet temperature; Cooling min. / max.	°C	5 / 25	5 / 25	5 / 25
Water outlet temperature; DHW min. / max.	°C	30 / 65	30 / 65	30 / 65
Water pipe connections		1"	1"	1"
> Outdoor unit		KHP-BI 4 DVR2	KHP-BI 6 DVR2	KHP-BI 8 DVR2
Width / Height / Depth	mm	1008 / 712 / 426	1008 / 712 / 426	1118 / 865 / 523
Net weight	kg	60	58	77
Sound pressure	dB(A)	44	45	46
Sound power		56	58	59
Power supply	V/ph/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Max. intensity	A	18	18	19
Electrical heater support	W	3000	3000	3000
Refrigerant, Type refrigerant		R-32	R-32	R-32
Refrigerant, Refrigerant charge	kg	1.5	1.5	1.65
Refrigerant, Max. vertical distance with outdoor unit at the top	m	30	30	30
Refrigerant; Max. horizontal distance	m	50	50	50
Refrigerant, Liquid pipe	inch	1/4"	1/4"	3/8"
Refrigerant, Gas pipe	inch	5/8"	5/8"	5/8"
> Indoor unit		KHPM-BI 6 DVR2	KHPM-BI 6 DVR2	KHPM-BI 10 DVR2
Width / Height / Depth	mm	420 / 790 / 270	420 / 790 / 270	420 / 790 / 270
Net weight	kg	37	37	37
Sound power		38	38	38
Sound pressure rated	dB(A)	28	28	30
Power supply		220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Max. intensity	A	14.3	14.3	14.3
Maximum pump pressure available		8.5	8.5	8.5
> Working range				
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 43	-5 / 43	-5 / 43
Outdoor ambient temperature for heating min. / max.	°C	-25 / 35	-25 / 35	-25 / 35
Outdoor ambient temperature for DHW min. / max.	°C	-25 / 43	-25 / 43	-25 / 43

Supplementary charge: The initial charging is valid for the first 15 m (liquid line). For greater distances, a supplementary charge of 0.020 kg/m is required per each additional metre for models 4/6, and 0.038 kg/m per each additional metre for models 8/10/12/14/16.

(*): The power supply for indoor units is single-phase 220-240 V/1/50 Hz.

Aquantia KHPMS-BI PRO

Aquantia Bibloc Wall-mounted



Set model		KHPMS-BI 10 PRO	KHPMS-BI 12 PRO
Heating capacity / COP (A+7°C / W+35°C)	kW	10 / 5	12,1 / 4,95
Heating capacity / COP (A+7°C / W+55°C)	kW	9,5 / 3,1	12 / 3,1
Heating capacity / COP (A-7°C / W+35°C)	kW	8 / 3,05	10 / 3
Heating capacity / COP (A-7°C / W+55°C)	kW	6,85 / 2	9,8 / 2,05
Cooling capacity / EER (A+35°C / W+18°C)	kW	10 / 2,08	12 / 4
Cooling capacity / EER (A+35°C / W+7°C)	kW	8,2 / 3,3	11,6 / 2,75
Average heating climate (W+35°C / W+55°C). η_s		205 / 137	189 / 135
Average heating climate (W+35°C / W+55°C). SCOP		5,2 / 3,49	4,81 / 3,45
Average heating climate (W+35°C / W+55°C). Energy class		A+++ / A++	A+++ / A++
Warm heating climate (W+35°C / W+55°C). η_s		281 / 180	256 / 174
Warm heating climate (W+35°C / W+55°C). SCOP		7,09 / 4,58	6,48 / 4,43
Cold heating climate (W+35°C / W+55°C). η_s		170 / 116	160 / 118
Cold heating climate (W+35°C / W+55°C). SCOP		4,32 / 2,99	4,08 / 3,02
Chilling efficiency (W+7°C / W+18°C). Keymark certification. η_s, c		236 / 348	192 / 281
Chilling efficiency (W+7°C / W+18°C). Keymark certification. SEER		5,98 / 8,78	4,89 / 7,1
Water outlet temperature; Heating min. / max.	°C	25 / 65	25 / 65
Water outlet temperature; Cooling min. / max.	°C	5 / 25	5 / 25
Water outlet temperature; DHW min. / max.	°C	30 / 65	30 / 65
Water pipe connections		1"	1"
> Outdoor unit		KHP-BI 10 DVR2	KHP-BI 12 DVR2
Width / Height / Depth	mm	1118 / 865 / 523	1118 / 865 / 523
Net weight	kg	77	96
Sound pressure	dB(A)	49	50
Sound power		60	64
Power supply	V/ph/Hz	220-240 / 1 / 50	220-240 / 1 / 50
Max. intensity	A	19	30
Electrical heater support	W	3000	3000
Refrigerant, Type refrigerant		R-32	R-32
Refrigerant, Refrigerant charge	kg	1.65	1.84
Refrigerant, Max. vertical distance with outdoor unit at the top	m	30	30
Refrigerant; Max. horizontal distance	m	50	50
Refrigerant, Liquid pipe	inch	3/8"	3/8"
Refrigerant, Gas pipe	inch	5/8"	5/8"
> Indoor unit		KHPM-BI 10 DVR2	KHPM-BI 16 DVR2
Width / Height / Depth	mm	420 / 790 / 270	420 / 790 / 270
Net weight	kg	37	39
Sound power		38	44
Sound pressure rated	dB(A)	30	32
Power supply		220-240 / 1 / 50	220-240 / 1 / 50
Max. intensity	A	14.3	14.3
Maximum pump pressure available		8.5	8.5
> Working range			
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 43	-5 / 43
Outdoor ambient temperature for heating min. / max.	°C	-25 / 35	-25 / 35
Outdoor ambient temperature for DHW min. / max.	°C	-25 / 43	-25 / 43

Supplementary charge: The initial charging is valid for the first 15 m (liquid line). For greater distances, a supplementary charge of 0.020 kg/m is required per each additional metre for models 4/6, and 0.038 kg/m per each additional metre for models 8/10/12/14/16.

(*): The power supply for indoor units is single-phase 220-240 V/1/50 Hz.



Set model		KHPMS-BI 14 PRO	KHPMS-BI 16 PRO
Heating capacity / COP (A+7°C / W+35°C)	kW	14,5 / 4,7	16 / 4,5
Heating capacity / COP (A+7°C / W+55°C)	kW	13,8 / 3	16 / 2,9
Heating capacity / COP (A-7°C / W+35°C)	kW	12 / 2,85	13,1 / 2,7
Heating capacity / COP (A-7°C / W+55°C)	kW	11 / 2,05	12,5 / 2
Cooling capacity / EER (A+35°C / W+18°C)	kW	13,5 / 3,6	14,9 / 3,4
Cooling capacity / EER (A+35°C / W+7°C)	kW	12,7 / 2,55	14 / 2,45
Average heating climate (W+35°C / W+55°C). η_s		186 / 136	182 / 133
Average heating climate (W+35°C / W+55°C). SCOP		4,72 / 3,47	4,62 / 3,41
Average heating climate (W+35°C / W+55°C). Energy class		A+++ / A++	A+++ / A++
Warm heating climate (W+35°C / W+55°C). η_s		260 / 175	249 / 176
Warm heating climate (W+35°C / W+55°C). SCOP		6,58 / 4,45	6,29 / 4,48
Cold heating climate (W+35°C / W+55°C). η_s		160 / 119	158 / 122
Cold heating climate (W+35°C / W+55°C). SCOP		4,07 / 3,05	4,02 / 3,12
Chilling efficiency (W+7°C / W+18°C). Keymark certification. $\eta_{s,c}$		191 / 273	184 / 267
Chilling efficiency (W+7°C / W+18°C). Keymark certification. SEER		4,86 / 6,9	4,69 / 6,75
Water outlet temperature; Heating min. / max.	°C	25 / 65	25 / 65
Water outlet temperature; Cooling min. / max.	°C	5 / 25	5 / 25
Water outlet temperature; DHW min. / max.	°C	30 / 65	30 / 65
Water pipe connections		1"	1"
> Outdoor unit		KHP-BI 14 DVR2	KHP-BI 16 DVR2
Width / Height / Depth	mm	1118 / 865 / 523	1118 / 865 / 523
Net weight	kg	96	96
Sound pressure	dB(A)	51	51
Sound power		65	68
Power supply	V/ph/Hz	220-240 / 1 / 50	220-240 / 1 / 50
Max. intensity	A	30	30
Electrical heater support	W	3000	3000
Refrigerant, Type refrigerant		R-32	R-32
Refrigerant, Refrigerant charge	kg	1.84	1.84
Refrigerant, Max. vertical distance with outdoor unit at the top	m	30	30
Refrigerant; Max. horizontal distance	m	50	50
Refrigerant, Liquid pipe	inch	3/8"	3/8"
Refrigerant, Gas pipe	inch	5/8"	5/8"
> Indoor unit		KHPM-BI 16 DVR2	KHPM-BI 16 DVR2
Width / Height / Depth	mm	420 / 790 / 270	420 / 790 / 270
Net weight	kg	39	39
Sound power		44	44
Sound pressure rated	dB(A)	32	32
Power supply		220-240 / 1 / 50	220-240 / 1 / 50
Max. intensity	A	14.3	14.3
Maximum pump pressure available		8.5	8.5
> Working range			
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 43	-5 / 43
Outdoor ambient temperature for heating min. / max.	°C	-25 / 35	-25 / 35
Outdoor ambient temperature for DHW min. / max.	°C	-25 / 43	-25 / 43

Supplementary charge: The initial charging is valid for the first 15 m (liquid line). For greater distances, a supplementary charge of 0.020 kg/m is required per each additional metre for models 4/6, and 0.038 kg/m per each additional metre for models 8/10/12/14/16.

(*) The power supply for indoor units is single-phase 220-240 V/1/50 Hz.

Aquantia KHPMS-BI PRO

Aquantia Bibloc Wall-mounted



Set model		KHPMS-BI 14T PRO	KHPMS-BI 16T PRO
Heating capacity / COP (A+7°C / W+35°C)	kW	14,5 / 4,7	16 / 4,5
Heating capacity / COP (A+7°C / W+55°C)	kW	13,8 / 3	16 / 2,9
Heating capacity / COP (A-7°C / W+35°C)	kW	12 / 2,8	13,3 / 2,7
Heating capacity / COP (A-7°C / W+55°C)	kW	11 / 2,05	12,5 / 2,02
Cooling capacity / EER (A+35°C / W+18°C)	kW	13,5 / 3,6	14,9 / 3,4
Cooling capacity / EER (A+35°C / W+7°C)	kW	12,7 / 2,55	14 / 2,45
Average heating climate (W+35°C / W+55°C). η_s		186 / 136	182 / 133
Average heating climate (W+35°C / W+55°C). SCOP		4,72 / 3,47	4,62 / 3,41
Average heating climate (W+35°C / W+55°C). Energy class		A+++ / A++	A+++ / A++
Warm heating climate (W+35°C / W+55°C). η_s		260 / 175	248 / 176
Warm heating climate (W+35°C / W+55°C). SCOP		6,57 / 4,44	6,28 / 4,47
Cold heating climate (W+35°C / W+55°C). η_s		160 / 119	158 / 122
Cold heating climate (W+35°C / W+55°C). SCOP		4,07 / 3,02	4,02 / 3,12
Chilling efficiency (W+7°C / W+18°C). Keymark certification. η_s ,s,c		190 / 271	184 / 265
Chilling efficiency (W+7°C / W+18°C). Keymark certification. SEER		4,83 / 6,85	4,67 / 6,71
Water outlet temperature; Heating min. / max.	°C	25 / 65	25 / 65
Water outlet temperature; Cooling min. / max.	°C	5 / 25	5 / 25
Water outlet temperature; DHW min. / max.	°C	30 / 65	30 / 65
Water pipe connections		1"	1"
> Outdoor unit		KHP-BI 14 DTR2	KHP-BI 16 DTR2
Width / Height / Depth	mm	1118 / 865 / 523	1118 / 865 / 523
Net weight	kg	112	112
Sound pressure	dB(A)	55	55
Sound power		65	68
Power supply	V/ph/Hz	380-415 / 3 / 50	380-415 / 3 / 50
Max. intensity	A	14	14
Electrical heater support	W	Adjustable 9000/6000/3000	Adjustable 9000/6000/3000
Refrigerant, Type refrigerant		R-32	R-32
Refrigerant, Refrigerant charge	kg	1.84	1.84
Refrigerant, Max. vertical distance with outdoor unit at the top	m	30	30
Refrigerant; Max. horizontal distance	m	50	50
Refrigerant, Liquid pipe	inch	3/8"	3/8"
Refrigerant, Gas pipe	inch	5/8"	5/8"
> Indoor unit		KHPM-BI 16 DVR2	KHPM-BI 16 DVR2
Width / Height / Depth	mm	420 / 790 / 270	420 / 790 / 270
Net weight	kg	39	39
Sound power		44	44
Sound pressure rated	dB(A)	32	32
Power supply		220-240 / 1 / 50	220-240 / 1 / 50
Max. intensity	A	14.3	14.3
Maximum pump pressure available		8.5	8.5
> Working range			
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 43	-5 / 43
Outdoor ambient temperature for heating min. / max.	°C	-25 / 35	-25 / 35
Outdoor ambient temperature for DHW min. / max.	°C	-25 / 43	-25 / 43

Supplementary charge: The initial charging is valid for the first 15 m (liquid line). For greater distances, a supplementary charge of 0.020 kg/m is required per each additional metre for models 4/6, and 0.038 kg/m per each additional metre for models 8/10/12/14/16.

(*): The power supply for indoor units is single-phase 220-240 V/1/50 Hz.

Combine Aquantia PRO with your PV facility!

The entire PRO range is capable of using energy from a photovoltaic system and storing energy during more favourable hours. In addition, thanks to the Smart Grid protocol, Aquantia uses data from the solar switchboard and smart electrical energy meter to save on bills without neglecting the user's thermal comfort.



Comprehensive projects

Our team of expert technicians carry out comprehensive air conditioning and ventilation projects specific to each client, adapting to any space and need. This service is complemented by personalised advice to ensure our facilities operate correctly.

Aquantia KHPS-MO

Aquantia Monobloc 100% hydraulic



The KHPS-MO PRO assembly is the **multi-task modular solution** from the Aquantia PRO range that provides thermal comfort for small and medium spaces. Thanks to the possibility of discharging water up to 65°C with an external temperature of 5°C (up to 60°C with KHPS- MO PRO HP), it can provide heating via **high-efficiency radiators, fancoils and underfloor heating, and accumulate domestic hot water at 60°C**, or even work in cooling mode.

The new USB port allows the unit to be set in a few seconds and diagnostics to be performed in order to **minimise the start-up or maintenance time**. Thanks to its special design, the unit is so silent that it could be

confused with the typical sounds of a natural setting when operating. The use of top-quality components provides the KHPS-MO PRO with the **highest possible ratings under the ErP directive** and the ability to be considered as a renewable energy system. Its performance promotes energy saving, care of the planet and savings on bills.

The wired control included **allows the user to enjoy a pleasant, intuitive experience** capable of satisfying zoning needs of any nature. The possibility to control and monitor an installation using the Comfort Home app makes the user experience even more enjoyable and, above all, efficient.



Modular and money-saving!

The possibility of cascade setting without special control. The best solution for staggering the power delivered to holiday homes, the replacement of centralised systems and systems in second homes. * The radiators are for the sole purpose of heating.



No need for certified refrigerator specialist status

100% water solution, perfect for professionals who are not certified to handle refrigerant gases, as for the outdoor unit of the KHPS-MO PRO assembly it is only necessary to connect the discharge and return for the hydraulic piping.



KCTAQ-02
Included as standard, with
built-in Modbus gateway



Optional DHW tank



Set model	KHPS-MO 4 PRO	KHPS-MO 6 PRO	KHPS-MO 8 PRO	KHPS-MO 10 PRO	KHPS-MO 12 PRO
Set					
Outdoor unit	KHP-MO 4 DVR2	KHP-MO 6 DVR2	KHP-MO 8 DVR2	KHP-MO 10 DVR2	KHP-MO 12 DVR2
Optional DHW tank	BSX270	BSX270	BSX270	BSX270/475	BSX270/475
Heating capacity / COP (A+7°C / W+35°C); kW	4,2 / 5,1	6,35 / 4,95	8,4 / 5,15	10 / 4,95	12,1 / 4,95
Heating capacity / COP (A+7°C / W+55°C); kW	4,4 / 2,95	6 / 2,95	7,5 / 3,18	9,5 / 3,1	11,9 / 3,05
Heating capacity / COP (A-7°C / W+35°C); kW	4,7 / 3,1	6 / 3	7 / 3,2	8 / 3,05	10 / 3
Heating capacity / COP (A-7°C / W+55°C); kW	4 / 1,95	5,15 / 2	6,15 / 2,05	6,85 / 2	9,8 / 2,05
Cooling capacity / EER (A+35°C / W+18°C); kW	4,5 / 5,5	6,5 / 4,8	8,3 / 5,05	9,9 / 4,55	12 / 3,95
Cooling capacity / EER (A+35°C / W+7°C); kW	4,7 / 3,45	7 / 3	7,45 / 3,35	8,2 / 3,25	11,5 / 2,75
Average heating climate (W+35°C / W+55°C). Keymark certification. η_s	191 / 130	195 / 138	206 / 132	205 / 136	189 / 135
Average heating climate (W+35°C / W+55°C). Keymark certification. SCOP	4,85 / 3,31	4,95 / 3,52	5,22 / 3,37	5,2 / 3,47	4,81 / 3,45
Average heating climate (W+35°C / W+55°C). Keymark certification. Energy class	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Warm heating climate (W+35°C / W+55°C). Keymark certification. η_s	255 / 163	260 / 165	277 / 177	281 / 182	256 / 174
Warm heating climate (W+35°C / W+55°C). Keymark certification. SCOP	6,46 / 4,15	6,57 / 4,21	6,99 / 4,51	7,09 / 4,62	6,48 / 4,43
Cold heating climate (W+35°C / W+55°C). Keymark certification. η_s	160 / 102	165 / 111	170 / 112	170 / 117	160 / 118
Cold heating climate (W+35°C / W+55°C). Keymark certification. SCOP	4,06 / 2,63	4,21 / 2,85	4,33 / 2,88	4,32 / 2,99	4,08 / 3,02
Chilling efficiency (W+7°C / W+18°C). Keymark certification. $\eta_{s,c}$	197 / 308	211 / 325	230 / 355	236 / 348	192 / 281
Chilling efficiency (W+7°C / W+18°C). Keymark certification. SEER	4,99 / 7,77	5,34 / 8,21	5,83 / 8,95	5,98 / 8,78	4,89 / 7,1
Water outlet temperature; Heating min. / max.; °C	25 / 65	25 / 65	25 / 65	25 / 65	25 / 65
Water outlet temperature; Cooling min. / max.; °C	5 / 25	5 / 25	5 / 25	5 / 25	5 / 25
Water outlet temperature; DHW min. / max.; °C	40 / 65	40 / 65	40 / 65	40 / 65	40 / 65
Outdoor unit					
Width / Height / Depth; mm	1295 / 792 / 429	1295 / 792 / 429	1385 / 945 / 526	1385 / 945 / 526	1385 / 945 / 526
Net weight; kg	98	86	132	132	155
Sound pressure; dB(A)	58	47,5	48,5	50,5	53
Sound power	55	58	59	60	65
Power supply; V/ph/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Max. intensity; A	31	31	32	32	43
Recommended wiring section, supply; mm ²	3x6	3x6	3x6	3x6	3x10
Recommended fuse, supply; A	D32	D32	D32	D32	D45
Water pipe connections; inch	1"	1"	1 1/4"	1 1/4"	1 1/4"
Enamelled/stainless steel DHW coil minimum area	2.0 / 1.4	2.0 / 1.4	2.0 / 1.4	2.0 / 1.4	2.5 / 1.6
Refrigerant; Type refrigerant	R-32	R-32	R-32	R-32	R-32
Refrigerant, Refrigerant charge; kg	1.4	1.4	1.4	1.4	1.75
Maximum pump pressure available	8.5	8.5	8.5	8.5	8.5
Working range					
Outdoor ambient temperature for cooling min. / max.; °C	-5 / 43	-5 / 43	-5 / 43	-5 / 43	-5 / 43
Outdoor ambient temperature for heating min. / max.; °C	-25 / 35	-25 / 35	-25 / 35	-25 / 35	-25 / 35
Outdoor ambient temperature for DHW min. / max.; °C	-25 / 43	-25 / 43	-25 / 43	-25 / 43	-25 / 43

Aquantia KHPS-MO

Aquantia Monobloc 100% hydraulic



KCTAQ-02
Included as standard, with
built-in Modbus gateway



Optional DHW tank



Set model	KHPS-MO 14 PRO	KHPS-MO 16 PRO	KHPS-MO 12T PRO	KHPS-MO 14T PRO	KHPS-MO 16T PRO
Set					
Outdoor unit	KHP-MO 14 DVR2	KHP-MO 16 DVR2	KHP-MO 12 DTR2	KHP-MO 14 DTR2	KHP-MO 16 DTR2
Optional DHW tank	BSX270/475	BSX270/475	BSX270/475	BSX270/475	BSX270/475
Heating capacity / COP (A+7°C / W+35°C); kW	14,5 / 4,6	15,9 / 4,5	12,1 / 4,95	14,5 / 4,6	15,9 / 4,5
Heating capacity / COP (A+7°C / W+55°C); kW	13,8 / 2,95	16 / 2,85	11,9 / 3,05	13,8 / 2,95	16 / 2,85
Heating capacity / COP (A-7°C / W+35°C); kW	12 / 2,85	13,1 / 2,7	10 / 3	12 / 2,85	13,1 / 2,7
Heating capacity / COP (A-7°C / W+55°C); kW	11 / 2,05	12,5 / 2	9,8 / 2,05	11 / 2,05	12,5 / 2
Cooling capacity / EER (A+35°C / W+18°C); kW	13,5 / 3,6	14,9 / 3,4	12 / 3,95	13,5 / 3,6	14,9 / 3,4
Cooling capacity / EER (A+35°C / W+7°C); kW	12,4 / 2,5	14 / 2,5	11,5 / 2,75	12,4 / 2,5	14 / 2,5
Average heating climate (W+35°C / W+55°C). Keymark certification. η_s	186 / 136	182 / 133	189 / 135	186 / 136	182 / 133
Average heating climate (W+35°C / W+55°C). Keymark certification. SCOP	4,72 / 3,47	4,62 / 3,41	4,81 / 3,45	4,72 / 3,47	4,62 / 3,41
Average heating climate (W+35°C / W+55°C). Keymark certification. Energy class	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Warm heating climate (W+35°C / W+55°C). Keymark certification. η_s	260 / 177	249 / 176	256 / 174	260 / 176	248 / 176
Warm heating climate (W+35°C / W+55°C). Keymark certification. SCOP	6,58 / 4,49	6,29 / 4,48	6,49 / 4,42	6,57 / 4,49	6,28 / 4,47
Cold heating climate (W+35°C / W+55°C). Keymark certification. η_s	160 / 119	158 / 122	160 / 118	160 / 119	158 / 122
Cold heating climate (W+35°C / W+55°C). Keymark certification. SCOP	4,07 / 3,05	4,02 / 3,12	4,08 / 3,02	4,07 / 3,05	4,02 / 3,12
Chilling efficiency (W+7°C / W+18°C). Keymark certification. $\eta_{s,c}$	191 / 273	184 / 267	191 / 279	190 / 271	184 / 265
Chilling efficiency (W+7°C / W+18°C). Keymark certification. SEER	4,86 / 6,9	4,69 / 6,75	4,86 / 7,04	4,83 / 6,85	4,67 / 6,71
Water outlet temperature; Heating min. / max.; °C	25 / 65	25 / 65	25 / 65	25 / 65	25 / 65
Water outlet temperature; Cooling min. / max.; °C	5 / 25	5 / 25	5 / 25	5 / 25	5 / 25
Water outlet temperature; DHW min. / max.; °C	40 / 65	40 / 65	40 / 65	40 / 65	40 / 65
Outdoor unit					
Width / Height / Depth; mm	1385 / 945 / 526	1385 / 945 / 526	1385 / 945 / 526	1385 / 945 / 526	1385 / 945 / 526
Net weight; kg	155	155	172	172	172
Sound pressure; dB(A)	53,5	57,5	53,5	54	58
Sound power	65	68	65	65	68
Power supply; V/ph/Hz	220-240 / 1 / 50	220-240 / 1 / 50	380-415 / 3 / 50	380-415 / 3 / 50	380-415 / 3 / 50
Max. intensity; A	43	43	27	27	27
Recommended wiring section, supply; mm ²	3x10	3x10	5x6	5x6	5x6
Recommended fuse, supply; A	D45	D45	D32	D32	D32
Water pipe connections; inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Enamelled/stainless steel DHW coil minimum area	2,5 / 1,6	2,5 / 1,6	2,5 / 1,6	2,5 / 1,6	2,5 / 1,6
Refrigerant; Type refrigerant	R-32	R-32	R-32	R-32	R-32
Refrigerant, Refrigerant charge; kg	1,75	1,75	1,75	1,75	1,75
Maximum pump pressure available	8,5	8,5	8,5	8,5	8,5
Working range					
Outdoor ambient temperature for cooling min. / max.; °C	-5 / 43	-5 / 43	-5 / 43	-5 / 43	-5 / 43
Outdoor ambient temperature for heating min. / max.; °C	-25 / 35	-25 / 35	-25 / 35	-25 / 35	-25 / 35
Outdoor ambient temperature for DHW min. / max.; °C	-25 / 43	-25 / 43	-25 / 43	-25 / 43	-25 / 43

Aquantia KHPS-MO PRO HP

Aquantia Monobloc High-power 100% hydraulic



KCTAQ-02
Included as standard, with
built-in Modbus gateway



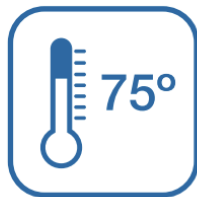
Set model		KHPS-MO 18 PRO HP	KHPS-MO 22 PRO HP	KHPS-MO 26 PRO HP	KHPS-MO 30 PRO HP
Heating capacity / COP (A+7°C / W+35°C)	kW	18,0 / 4,70	22,0 / 4,40	26,0 / 4,08	30,1 / 3,91
Heating capacity / COP (A+7°C / W+55°C)	kW	18,0 / 2,75	22,0 / 2,65	26,0 / 2,45	30,0 / 2,30
Heating capacity / COP (A-7°C / W+35°C)	kW	18,0 / 2,70	21,0 / 2,60	22,0 / 2,50	23,0 / 2,45
Cooling capacity / EER (A+35°C / W+18°C)	kW	18,5 / 4,75	23,0 / 4,60	27,0 / 4,30	31,0 / 4,00
Cooling capacity / EER (A+35°C / W+7°C)	kW	17,0 / 3,05	21,0 / 2,95	26,0 / 2,70	29,5 / 2,55
Average heating climate (W+35°C / W+55°C). η_s		181 / 125	178 / 126	177 / 123	165 / 123
Average heating climate (W+35°C / W+55°C). SCOP		4,6 / 3,20	4,5 / 3,23	4,5 / 3,15	4,2 / 3,15
Average heating climate (W+35°C / W+55°C). Energy class		A+++ / A++	A+++ / A++	A+++ / A+	A++ / A+
Warm heating climate (W+35°C / W+55°C). η_s		226 / 157	234 / 161	231 / 168	213 / 163
Warm heating climate (W+35°C / W+55°C). SCOP		5,73 / 4,00	5,93 / 4,10	5,85 / 4,28	5,4 / 4,15
Cold heating climate (W+35°C / W+55°C). η_s		146 / 97	146 / 102	143 / 101	138 / 100
Cold heating climate (W+35°C / W+55°C). SCOP		3,73 / 2,50	3,73 / 2,63	3,65 / 2,60	3,53 / 2,58
Chilling efficiency (W+7°C / W+18°C). Keymark certification. $\eta_{s,c}$		185 / 216	185 / 224	183 / 226	177 / 225
Chilling efficiency (W+7°C / W+18°C). Keymark certification. SEER		4,7 / 5,48	4,7 / 5,68	4,65 / 5,73	4,5 / 5,70
Water outlet temperature; Heating min. / max.	°C	25 / 60	25 / 60	25 / 60	25 / 60
Water outlet temperature; Cooling min. / max.	°C	5 / 25	5 / 25	5 / 25	5 / 25
Water outlet temperature; DHW min. / max.	°C	40 / 60	40 / 60	40 / 60	40 / 60
Water pipe connections		1-1/4"	1-1/4"	1-1/4"	1-1/4"
> Outdoor unit		KHP-MO 18 DTR2	KHP-MO 22 DTR2	KHP-MO 26 DTR2	KHP-MO 30 DTR2
Width / Height / Depth	mm	1129 / 1558 / 440	1129 / 1558 / 440	1129 / 1558 / 440	1129 / 1558 / 440
Net weight	kg	177	177	177	177
Sound pressure	dB(A)	57,6	59,8	61,5	63,5
Sound power		71	73	75	77
Power supply	V/ph/Hz	380-415 / 3 / 50	380-415 / 3 / 50	380-415 / 3 / 50	380-415 / 3 / 50
Max. intensity	A	18	21	24	28
Electrical heater support	W	Not included	Not included	Not included	Not included
Water pump pressure	mH ₂ O	12	12	12	12
Refrigerant, Type refrigerant		R-32	R-32	R-32	R-32
Refrigerant, Refrigerant charge	kg	5	5	5	5
Maximum pump pressure available		12	12	12	12
> Working range					
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 46	-5 / 46	-5 / 46	-5 / 46
Outdoor ambient temperature for heating min. / max.	°C	-25 / 35	-25 / 35	-25 / 35	-25 / 35
Outdoor ambient temperature for DHW min. / max.	°C	-25 / 43	-25 / 43	-25 / 43	-25 / 43

Aquantia KHP-MO HT



The natural refrigerant R290 reduces its environmental impact compared to its predecessor. The new M-Thermo HT propane heat pump allows delivery temperatures of up to 75°C to be reached. Increasing its possibilities of

installation and uses. The operating range in extreme temperatures is guaranteed, and can be reached up to 55°C for DHW at -25°C and 75°C for delivery for heating at -10°C.



High temperature

The new M-Thermon A R290 propane heat pump allows delivery temperatures of up to 75°C to be reached. Increasing its possibilities of installation and uses.



Propane R290

The natural refrigerant R290 reduces its environmental impact compared to its predecessor. The new M-Thermon A R290 propane heat pump allows delivery temperatures of up to 75°C to be reached. Increasing its possibilities of installation and uses.



Smart Grid

The Smart Grid protocol allows the integration of the Combo Mural with photovoltaic production systems, maximizing savings by maximizing the renewable energy produced by the panels



Smart Home

The installation can be controlled and monitored with the application via WiFi, making the user experience even more enjoyable and, above all, efficient. Direct integration with ModBus RTU systems is also possible.



Model		KHP-MO 4 DVP	KHP-MO 6 DVP	KHP-MO 8 DVP	KHP-MO 10 DVP	KHP-MO 12 DVP
Heating capacity / COP (A+7°C / W+35°C)	kW	4.5 / 5.15	6.2 / 4.9	8.4 / 5	10 / 4.7	12 / 4.8
Heating capacity / COP (A+7°C / W+55°C)	kW	4.6 / 3.2	6.2 / 3.1	7.8 / 3.2	9.5 / 3.05	12 / 3.1
Heating capacity / COP (A-7°C / W+35°C)	kW	4.5 / 3.1	5.9 / 2.95	7 / 3	8 / 2.85	10 / 2.8
Heating capacity / COP (A-7°C / W+55°C)	kW	4.7 / 2.2	5.2 / 2.15	6.9 / 2.15	7.4 / 2.1	10.4 / 2.15
Cooling capacity / EER (A+35°C / W+18°C)	kW	4.5 / 5.5	6.5 / 5.1	8.3 / 5.15	10 / 4.75	12 / 4.5
Cooling capacity / EER (A+35°C / W+7°C)	kW	4.7 / 3.65	6.8 / 3.1	7.5 / 3.45	8.9 / 3.25	11.5 / 3.05
Average heating climate (W+35°C / W+55°C). η _s		204.8 / 149.7	193.5 / 149.7	200.7 / 148.7	180.6 / 139.9	182.4 / 141.9
Average heating climate (W+35°C / W+55°C). SCOP		5.2 / 3.82	4.91 / 3.82	5.09 / 3.79	4.59 / 3.57	4.64 / 3.62
Average heating climate (W+35°C / W+55°C). Energy class		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Chilling efficiency (W+7°C / W+18°C). Keymark certification. η _{s,c}		231.4 / 322.6	209.8 / 263	206.2 / 251.4	201.8 / 263	204.2 / 267
Chilling efficiency (W+7°C / W+18°C). Keymark certification. SEER		5.86 / 8.14	5.32 / 6.65	5.23 / 6.36	5.12 / 6.65	5.18 / 6.75
Water outlet temperature; Heating min. / max.	°C	12 / 75	12 / 75	12 / 75	12 / 75	12 / 75
Water outlet temperature; Cooling min. / max.	°C	5 / 30	5 / 30	5 / 30	5 / 30	5 / 30
Water outlet temperature; DHW min. / max.	°C	10 / 70	10 / 70	10 / 70	10 / 70	10 / 70
Width / Height / Depth	mm	1295 / 718 / 429	1295 / 718 / 429	1385 / 865 / 526	1385 / 865 / 526	1385 / 865 / 526
Net weight	kg	90	90	117	117	135
Sound pressure	dB(A)	48	46	44	56	52
Sound power		56	58	60	61	65
Power supply	V/ph/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Water pump pressure	mH ₂ O	9	9	9	9	9
Refrigerant, Type refrigerant		R-290	R-290	R-290	R-290	R-290
Refrigerant, Refrigerant charge	kg	0.7	0.7	1.1	1.1	1.25
> Working range						
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 46	-5 / 46	-5 / 46	-5 / 46	-5 / 46
Outdoor ambient temperature for heating min. / max.	°C	-25 / 35	-25 / 35	-25 / 35	-25 / 35	-25 / 35
Outdoor ambient temperature for DHW min. / max.	°C	-25 / 46	-25 / 46	-25 / 46	-25 / 46	-25 / 46

Model		KHP-MO 14 DVP	KHP-MO 16 DVP	KHP-MO 12 DTP	KHP-MO 14 DTP	KHP-MO 16 DTP
Heating capacity / COP (A+7°C / W+35°C)	kW	14 / 4.5	15 / 4.4	12 / 4.8	14 / 4.5	15 / 4.4
Heating capacity / COP (A+7°C / W+55°C)	kW	14 / 3	15 / 2.85	12 / 3.1	14 / 3	15 / 2.85
Heating capacity / COP (A-7°C / W+35°C)	kW	11.5 / 2.7	12.7 / 2.5	10 / 2.8	11.5 / 2.7	12.7 / 2.5
Heating capacity / COP (A-7°C / W+55°C)	kW	11.3 / 2.1	12.4 / 2.05	10.4 / 2.15	11.3 / 2.1	12.4 / 2.05
Cooling capacity / EER (A+35°C / W+18°C)	kW	14 / 4.2	16 / 3.9	12 / 4.5	14 / 4.2	16 / 3.9
Cooling capacity / EER (A+35°C / W+7°C)	kW	12.7 / 2.9	14 / 2.75	11.5 / 3.05	12.7 / 2.9	14 / 2.75
Average heating climate (W+35°C / W+55°C). η _s		180.6 / 139.9	184 / 141.8	184 / 141.8	182.4 / 141.9	199.8 / 149.8
Average heating climate (W+35°C / W+55°C). SCOP		4.59 / 3.57	4.68 / 3.62	4.68 / 3.62	4.64 / 3.62	5.07 / 3.82
Average heating climate (W+35°C / W+55°C). Energy class		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Chilling efficiency (W+7°C / W+18°C). Keymark certification. η _{s,c}		201.8 / 263	204.6 / 253.8	204.6 / 253.8	204.2 / 267	219 / 323.4
Chilling efficiency (W+7°C / W+18°C). Keymark certification. SEER		5.12 / 6.65	5.19 / 6.42	5.19 / 6.42	5.18 / 6.75	5.55 / 8.16
Water outlet temperature; Heating min. / max.	°C	12 / 75	12 / 75	12 / 75	12 / 75	12 / 75
Water outlet temperature; Cooling min. / max.	°C	5 / 30	5 / 30	5 / 30	5 / 30	5 / 30
Water outlet temperature; DHW min. / max.	°C	10 / 70	10 / 70	10 / 70	10 / 70	10 / 70
Width / Height / Depth	mm	1385 / 865 / 526	1385 / 865 / 526	1385 / 865 / 526	1385 / 865 / 526	1385 / 865 / 526
Net weight	kg	135	135	137	137	137
Sound pressure	dB(A)	56	51	51	52	49
Sound power		65	69	65	65	69
Power supply	V/ph/Hz	220-240 / 1 / 50	220-240 / 1 / 50	380-415 / 3 / 50	380-415 / 3 / 50	380-415 / 3 / 50
Water pump pressure	mH ₂ O	9	9	9	9	9
Refrigerant, Type refrigerant		R-290	R-290	R-290	R-290	R-290
Refrigerant, Refrigerant charge	kg	1.25	1.25	1.25	1.25	1.25
> Working range						
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 46	-5 / 46	-5 / 46	-5 / 46	-5 / 46
Outdoor ambient temperature for heating min. / max.	°C	-25 / 35	-25 / 35	-25 / 35	-25 / 35	-25 / 35
Outdoor ambient temperature for DHW min. / max.	°C	-25 / 46	-25 / 46	-25 / 46	-25 / 46	-25 / 46

Aquantia KHP-MO HT HP



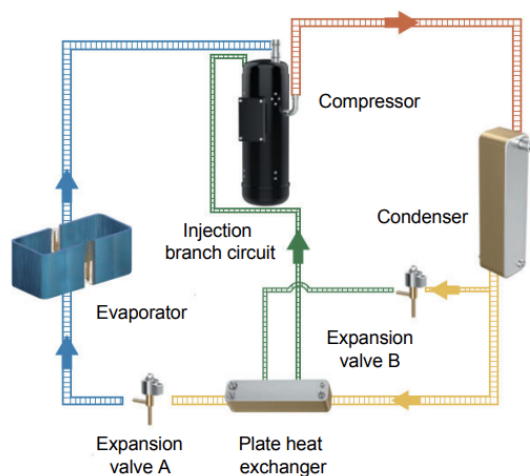
Natural Refrigerant

R290 is not harmful to the ozone layer. The GWP value is 3, which further demonstrates its environmental protection characteristics.



Decarbonization

Thanks to flow temperatures of up to +75°C with temperatures of -10°C is ideal as a boiler replacement.



EVI technology

Increase refrigerant circulation of heat pump at low ambient temperature and improve low temperature heating capacity and energy efficiency.

Smart Controller

A temperature display that is accurate to 0.1°C and has a high resolution. Multiple operating modes including heating, cooling and DHW. Timing options for daily and weekly schedules to meet different needs.



KCTAQ-03
Standard



Basic modules

Set model		KHP-MO 30 DTP	KHP-MO 35 DTP
Heating capacity / COP (A+7°C / W+35°C)	kW	30,0 / 4,35	35,0 / 4,17
Cooling capacity / EER (A+35°C / W+18°C)	kW	30,0 / 4,29	35,0 / 3,98
Warm heating climate (W+35°C / W+55°C). SCOP		4,48 / ND	4,48 / ND
Water outlet temperature; Heating min. / max.	°C	25 / 85	25 / 85
Water outlet temperature; DHW min. / max.	°C	20 / 70	20 / 70
Width / Height / Depth	mm	1384 / 1816 / 523	1384 / 1816 / 523
Net weight	kg	245	245
Sound power		76	76
Power supply	V/ph/Hz	380-415 / 3 / 50	380-415 / 3 / 50
Water pump pressure	mH ₂ O	12	12
Refrigerant, Type refrigerant		R-290	R-290
Refrigerant, Refrigerant charge	kg	2.9	2.9
> Working range			
Outdoor ambient temperature for cooling min. / max.	°C	-15 / 48	-15 / 48
Outdoor ambient temperature for heating min. / max.	°C	-25 / 35	-25 / 35
Outdoor ambient temperature for DHW min. / max.	°C	-25 / 43	-25 / 43

Cooling capacity. Cooling input. EER: Data calculated in compliance with EN 14511:2018 Standard, with reference to the following conditions: indoor heat exchanger water temperature = 12/7°C; outdoor heat exchanger inlet air temperature = 35°C.

Heating capacity. Heating input. COP: Data calculated in compliance with EN 14511:2018 Standard, with reference to the following conditions: indoor heat exchanger water temperature = 40/45°C; outdoor heat exchanger inlet air temperature = 7°C DB/6°C WB.

SEER. SCOP: Data calculated in compliance with EN 14825:2016 Standard. The product meets the ErP (Energy Related Products) European Directive, which include the (EU) Commission Delegated Regulation No. 811/2013 (rated thermal input ≤ 70 kW under specified reference conditions) and (EU) Commission Delegated Regulation No. 813/2013 (rated thermal input ≤ 400 kW under specified reference conditions).

Sound pressure: Sound levels refer to the unit under full charge. The sound pressure level refers to the measurement taken at a distance of 1 m from the external surface of the unit, operating in the open air. The measurements are taken in accordance with UNI EN ISO 9614-2 standard, respecting the conditions imposed by EUROVENT 8/1 certification. Data under the following conditions: indoor heat exchanger water temperature = 12/7°C; outdoor air temperature. = 35°C.

PRELIMINARY DATA

Tanks for Domestic Hot Water



DOMESTIC HOT
WATER

Model		BSX270	BSX475
Width / Height / Depth	mm	-- / 1209 / --	-- / 1800 / --
Capacity	l	270	475
Net weight	kg	136	212
Diameter	mm	700	750
Cleaning cap	mm	280	280
Tank protection layer		Steel	Steel
Interior cover		Coat of enamel	Coat of enamel
Exterior cover		Galvanized steel with electrostatic coating with powdered paint	Galvanized steel with electrostatic coating with powdered paint
Casing colour		White	White
Plugs and exterior cap material		Black plastic	Black plastic
Insulating material and thickness		Injected polyurethane foam; 50 mm	Injected polyurethane foam; 50 mm
Input of sensors for automatic control of unit		3x (Ø13x100 mm)	3x (Ø13x100 mm)
Operating pressure	bar	10	10
Test pressure	bar	13	13
Temperature indicator		Analog thermometer	Analog thermometer
Anti-corrosive protection		Magnesium anode rod and tester	Magnesium anode rod and tester
Heat exchanger type		Heat coil	Heat coil
Heat coil input diameter	inch	1 1/4"	1 1/4"
Heat coil surface	m ²	2.5	3.1
Cold water inlet	inch	1"	1"
Heat water outlet	inch	1"	1"

For the BSX475 tank, the installation of a 3-4 kW element is recommended, which should be supplied by the installer in the event that it is required.

Other complements for Aquantia range



KH-Kit

Indoor unit for Monoblock systems. Allows connections to be made inside the home instead of in the outdoor unit

Temperature sensor

Temperature sensor for the Aquantia range, connectable to the main board to control DHW tanks, buffer tank temperature, 2 zones, boiler mixes, solar circuit...

The whole Aquantia range includes 1 probe by default. Necessary accessory in applications with more than 1 probe.



Model	T1B probe + cable
Cable length	10 m

Heating Element

Tank heating element for DHW in order to support the Heat Pump DHW production if needed.



Model	Electrical Power
RT3	3 kW

Multi-thermostat adapter

Multi-thermostat adapter for the Aquantia range. With this adapter, we can connect up to 8 different thermostats to control different zones.



2 zones kit

2 zones kit, pre-assembled set consisting of 2 circulator pumps, non-return and ball valves, temperature sensors... Perfect for easy installation in circuits with 2 zones (fancoils, radiators, underfloor heating...).

Model	KIRE2HX	KIRE2HLX
Zones	2 High temp.	1 High + 1 Low
Width x Height x Depth; mm	402 x 525 x 250	402 x 525 x 250
Max. flow rate (ΔP 10 kPa); L/h	2600	1600
Max. power to be dissipated ($\Delta T=20^\circ C$); kW	60.5	37.2

Water pumps for 1 or 2 zones

High efficiency circulator pump with EC motor. The Aquantia range can control these pumps for both 1 or 2 zones in heating and cooling applications.



Model	Pump 6 mca	Pump 7.5 mca
Max. available head; m.c.a.	6.0	7.5
Qmax; m ³ /h	3.6	4.4
Hydraulic connections; "	G 1"	G 1-1/2"
Power; W	30	58



R-S wall/ceiling model

Floor model AR-A

Buffer tanks/hydraulic needles

Reduce the number of compressor starts and stops before temperature variations and increase the inertia of the system.

Model	20 AR-S	30 AR-S	40 AR-S	50 AR-A	100 AR-A
Volume; L	20	30	40	50	100
Diameter x Height; mm	Ø250 x 700	Ø250 x 1000	Ø250 x 1230	Ø410 x 560	Ø460 x 890
Weight empty; Kg	7	10	12	15	30
Connections; "	1"	1"	1"	1"	1-1/4"
Installation	Wall or ceiling support (need additional support kit)				Floor

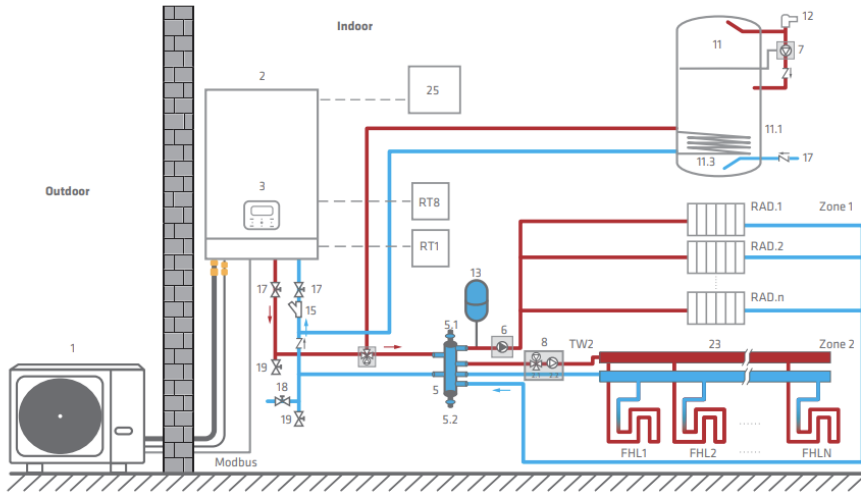
Accessories available: Ceiling/wall support mounting kit, Air purge valve



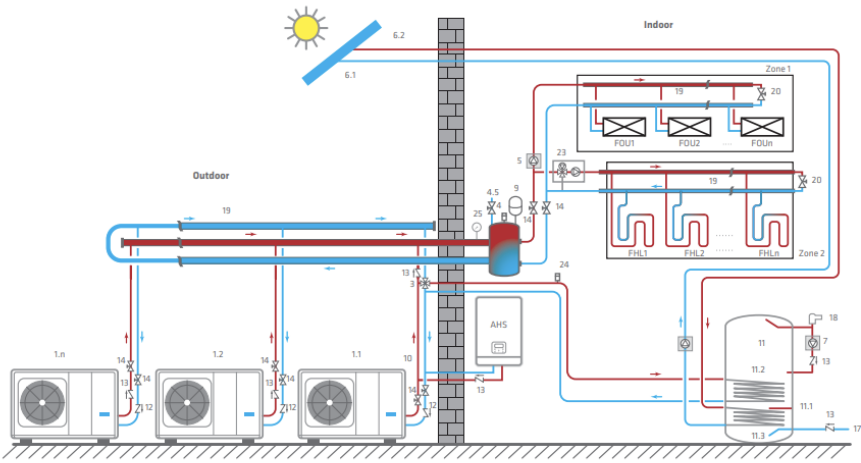
Expansion vessels

Model	HWB8LX	HWB12LX	HWB16LX
Volume; L	8	12	16
Diameter x Height; mm	Ø202 x 309	Ø230 x 364	Ø279 x 364
Packing weight; Kg	2.0	2.7	3.4
Connections; "	3/4" BSP F	3/4" BSP F	3/4" BSP F

Installation Diagrams

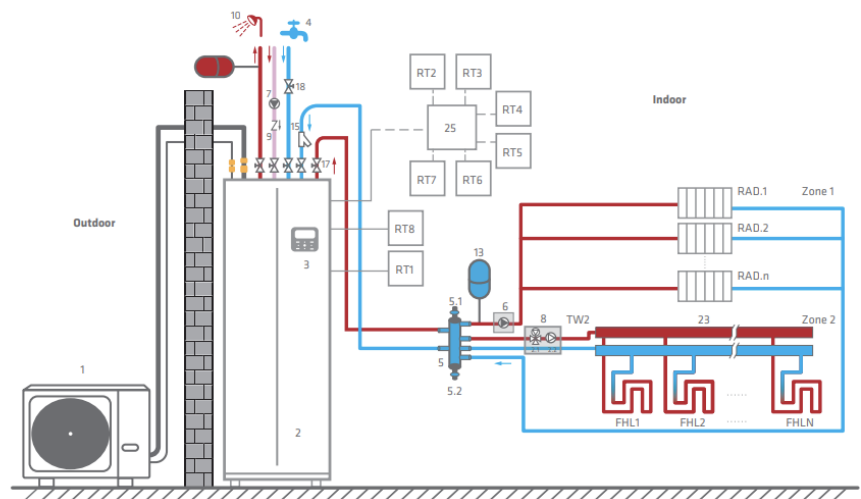


Code	Assembly unit
1	Outdoor Unit
2	Indoor Unit
3	User Interface
5	Balance tank (Field supply)
5.1	Automatic air purge valve
5.2	Drainage valve
6	P_o: zone 1 circulation pump (Field supply)
7	DHW recirculation pump (field supply)
8	Mixing station (Field supply)
8.1	sv3: Mixing valve (Field Supply)
8.2	P_c: zone 2 circulation pump
11	DHW tank
11.3	Condenser
12	Consumption
13	Expansion vessel (Field supply)
15	Filter (Accessory)
17	Tap water inlet pipe (field supply)
18	Filling valve (field supply)
19	Drainage valve (Field supply)
23	Collection/distributor (Field Supply)
25	Thermostat transfer board (optional)
RT1...7	Low voltage room thermostat (Field Supply)
RT8	High voltage room thermostat (Field Supply)
TW2	Zone 2 water flow temperature sensor (optional)
FHL 1 ...n	Floor heating loop (field supply)
RAD.1...n	Radiator (Field supply)



Up to 6 units. It's not possible to mix KHPS-MO PRO and KHPS-MO HP PRO in the same cascade installation.

Code	Assembly unit
1.1	Master unit
1.2...n	Slave unit
3	SV1:3-way valve (Field supply)
4	Balance tank (Field supply)
4.1	Automatic bleed valve
4.2	Drainage valve
4.3	Tbt1: Balance tank upper temperature sensor (optional)
4.4	Tbt2: Balance tank lower temperature sensor (optional)
4.5	Filling valve
5	P_O: Outside circulation pump (Field supply)
6.1	Tsolar: Solar temperature sensor (Optional)
6.2	Solar Panel
7	P_D: DHW pipe pump (Field supply)
9	Expansion vessel (Field supply)
10	T1: Total water flow temperature sensor (Optional)
11	Domestic water tank (Field supply)
11.1	TBH: Domestic water tank heater
11.2	Coin 1, heat exchanger for heat pump
11.3	Coin 2, heat exchanger for solar energy
12	Filter (Accessory)
13	Check valve (Field supply)
14	Shut-off valve (Field supply)
17	Tap water inlet pipe (Field supply)
18	Hot water tap (Field supply)
19	Collector/distributor (Field supply)
20	Bypass valve (Field supply)
23	Mixing station (Field supply)
24	Automatic bleed valve (Field supply)
25	Water manometer (Field supply)
FHL1...n	Floor heating loop (Field supply)
ZONE1	The space operate cooling or heating mode
ZONE2	The space only operate heating mode
AHS	Auxiliary heat source (Field supply)



Code	Assembly unit
1	Outdoor Unit
2	Indoor Unit
3	User Interface
4	Tap water - inlet pipe (Field supply)
5	Balance tank (Field supply)
5.1	Automatic air purge valve
5.2	Drainage valve
6	P_o: zone 1 circulation pump (Field supply)
7	DHW pump - inlet pipe (Field supply)
8	Mixing station (Field supply)
8.1	sv3: Mixing valve (Field Supply)
8.2	P_c: zone 2 circulation pump
9	Check valve (Field supply)
10	DHW production - outlet pipe (Field supply)
13	Expansion vessel (Field supply)
15	Filter (Accessory)
17	Shut-off valve (Field supply)
18	Safety valve (Field supply)
23	Collection/distributor (Field Supply)
25	Multi thermostat board (optional)
RT1...7	Low voltage room thermostat (Field Supply)
RT8	High voltage room thermostat (Field Supply)
TW2	Zone 2 water flow temperature sensor (optional)
FHL 1 ...n	Floor heating loop (field supply)
RAD.1...n	Radiator (Field supply)

This installation diagrams are simplified versions, for more diagrams or further information please visit our web and check Aquatix Range manual or contact our presales department.