

Aquantia Evo Wall



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Software	



KEYMARK



SMART GRID READY



R-32 REFRIGERANT



DOMESTIC HOT WATER



COOLING AND HEATING



COMPATIBLE WITH AIRZONE



WI-FI



MODBUS



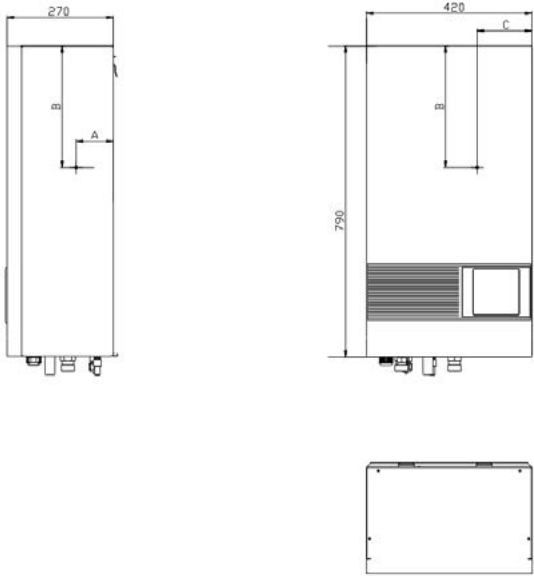
CONFIGURATION VIA USB PORT

Set model		KHPMS-BI 12 EVO	KHPMS-BI 14 EVO	KHPMS-BI 14T EVO	KHPMS-BI 16 EVO	KHPMS-BI 16T EVO
> Set						
Heating capacity / COP (A+7°C / W+35°C)	kW	12.1 / 5.04	14 / 4.84	14 / 4.84	15.5 / 4.61	15.5 / 4.61
Consumption (A+7 °C / W+35 °C)	W	2400	2890	2.89	3360	3360
Heating capacity / COP (A+7°C / W+55°C)	kW	12.1 / 3.01	14 / 3	14 / 3	15.5 / 2.99	15.5 / 2.99
Consumption (A+7 °C / W+55 °C)	W	4020	4670	4.67	5180	5180
Heating capacity / COP (A-7°C / W+35°C)	kW	12.1 / 3.05	14 / 2.84	14 / 2.84	15.5 / 2.68	15.5 / 2.68
Consumption (A-7 °C / W+35 °C)	W	3970	4930	4.93	5780	5780
Heating capacity / COP (A-7°C / W+55°C)	kW	11.4 / 2.12	11.9 / 2.12	11.9 / 2.12	13.7 / 2.12	13.7 / 2.12
Consumption (A-7 °C / W+55 °C)	W	5380	5610	5.61	6460	6460
Cooling capacity / EER (A+35°C / W+18°C)	kW	10 / 4.25	10 / 4.25	10 / 4.25	10 / 4.25	10 / 4.25
Consumption (A+35 °C / W+18 °C)	W	2350	2350	2.35	2350	2350
Cooling capacity / EER (A+35°C / W+7°C)	kW	10 / 3.01	10 / 3.01	10 / 3.01	10 / 3.01	10 / 3.01
Consumption (A+35 °C / W+7 °C)	W	3320	3320	3.32	3320	3320
Average heating climate (W+35°C / W+55°C). Energy class		A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Average heating climate (W+35°C / W+55°C). η _s	%	204.6 / 153.6	199.4 / 152.2	199.4 / 152.2	194 / 151	194 / 151
Average heating climate (W+35°C / W+55°C). SCOP		5.19 / 3.92	5.06 / 3.88	5.06 / 3.88	4.93 / 3.85	4.93 / 3.85
Warm heating climate (W+35°C / W+55°C). η _s	%	252.2 / 170.6	256.6 / 171	256.6 / 171	256.2 / 171	256.2 / 171
Warm heating climate (W+35°C / W+55°C). SCOP		6.38 / 4.34	6.49 / 4.35	6.49 / 4.35	6.48 / 4.35	6.48 / 4.35
Cold heating climate (W+35°C / W+55°C). η _s	%	179 / 124.6	179.4 / 127.8	179.4 / 127.8	179 / 131	179 / 131
Cold heating climate (W+35°C / W+55°C). SCOP		4.55 / 3.19	4.56 / 3.27	4.56 / 3.27	4.55 / 3.35	4.55 / 3.35
Chilling efficiency (W+7°C / W+18°C). Keymark certification. η _{s,c}	%	212.9 / 257.2	212.9 / 257.2	212.9 / 257.2	212.9 / 257.2	212.9 / 257.2
Chilling efficiency (W+7°C / W+18°C). Keymark certification. SEER		5.40 / 6.51	5.40 / 6.51	5.40 / 6.51	5.40 / 6.51	5.40 / 6.51
> Indoor unit						
		KHPM-BI 16 DVR4	KHPM-BI 16 DVR4	KHPM-BI 16 DVR4	KHPM-BI 16 DVR4	KHPM-BI 16 DVR4
Width / Height / Depth	mm	420 / 790 / 270	420 / 790 / 270	420 / 790 / 270	420 / 790 / 270	420 / 790 / 270
Net weight	kg	33	33	33	33	33
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	1.2	1.2	1.2	1.2	1.2
Circuit breaker		C10	C10	C10	C10	C10
Sound pressure rated	dB(A)	34	34	34	34	34
Sound power	dB(A)	43	43	43	43	43
Backup electrical resistor	kW	3	3	3	3	3
Maximum pump pressure available	mH ₂ O	9	9	9	9	9
Expansion vessel	l	8	8	8	8	8
Water outlet temperature; DHW min. / max.	°C	20 / 60	20 / 60	20 / 60	20 / 60	20 / 60
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
> Outdoor unit						
		KHP-BI 12 DVR4	KHP-BI 14 DVR4	KHP-BI 14 DTR4	KHP-BI 16 DVR4	KHP-BI 16 DTR4
Width / Height / Depth	mm	1051 / 1330 / 475	1051 / 1330 / 475	1051 / 1330 / 475	1051 / 1330 / 475	1051 / 1330 / 475
Net weight	kg	121	121	130.5	121	130.5
Power supply	V/ph/Hz	220-240 / 1 / 50	220-240 / 1 / 50	380-415 / 3 / 50	220-240 / 1 / 50	380-415 / 3 / 50
Max. intensity	A	32	32	13	32	13
Circuit breaker	A	D45	D45	D20	D45	D20
Communication wiring	mm ²	3x1	3x1	3x1	3x1	3x1
Sound pressure	dB(A)	46	46	46	46	46
Sound power	dB(A)	59	60	60	60	60
Type of refrigerant		R-32	R-32	R-32	R-32	R-32
GWP		675	675	675	675	675
Refrigerant charge	kg	1.84	1.84	1.84	1.84	1.84
t CO ₂ eq	tCO ₂	1.2	1.2	1.2	1.2	1.2
Meters of pre-charge, outdoor unit	m	15	15	15	15	15
Additional refrigerant charge, outdoor unit	kg/m	0.038	0.038	0.038	0.038	0.038
Max. total distance	m	50	50	50	50	50
Max. vertical distance	m	30	30	30	30	30
Liquid pipe	inch	3/8"	3/8"	3/8"	3/8"	3/8"
Gas pipe	inch	5/8"	5/8"	5/8"	5/8"	5/8"
Max. horizontal distance	m	50	50	50	50	50
Max. vertical distance with outdoor unit at the top	m	30	30	30	30	30
> Working range						
Outdoor ambient temperature for DHW min. / max.	°C	-28 / 43	-28 / 43	-28 / 43	-28 / 43	-28 / 43
Outdoor ambient temperature for heating min. / max.	°C	-28 / 35	-28 / 35	-28 / 35	-28 / 35	-28 / 35
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 43	-5 / 43	-5 / 43	-5 / 43	-5 / 43

Supplementary charge: The initial charging is valid for the first 15 m (liquid line). For greater distances, a supplementary charge of 0.038 kg/m per each additional metre.

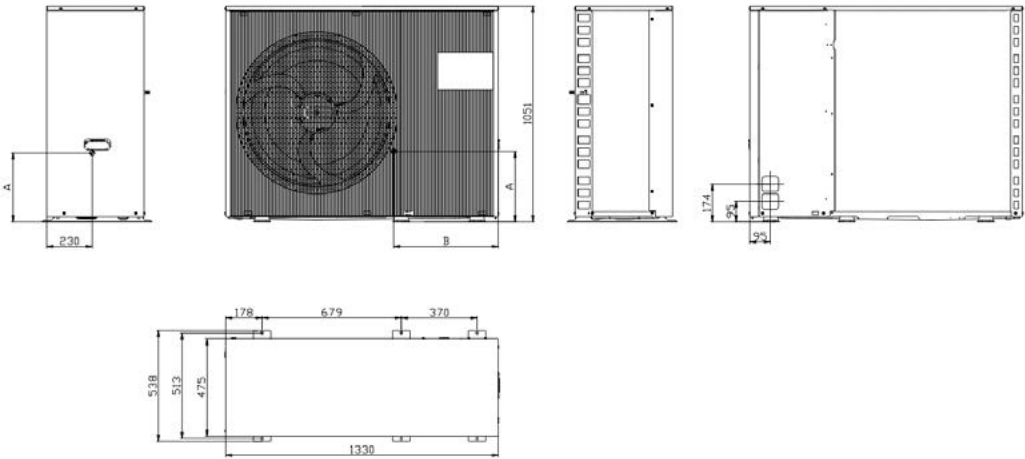
(*): The power supply for indoor units is single-phase 220-240 V/1/50 Hz.

Aquantia Evo Wall



unit: mm			
Model	A	B	C
AQUANTIA EVO WALL	123	320	180

12-16kW



unit: mm		
Model	A	B
1 phase 12/14/16kW	351	530
3 phase 12/14/16kW	347	490