

Aquantia KHPS-MO PRO HP



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



KEYMARK


 SMART GRID
READY

 R-32
REFRIGERANT

 DOMESTIC HOT
WATER

 COOLING AND
HEATING

 COMPATIBLE
WITH AIRZONE


WI-FI



MODBUS



MODULAR

Technical documentation	Download
Technical Manual	PDF
User Manual	PDF
Controller Manual	PDF
Declaration of Conformity	PDF
ErP	PDF
Dimensions	DWG
Installation diagrams	PDF

Set model		KHPS-MO 18 PRO HP	KHPS-MO 22 PRO HP	KHPS-MO 26 PRO HP	KHPS-MO 30 PRO HP
> Set					
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
Consumption (A+7°C / W+35°C)	W	3830	5000	6373	7698
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
Consumption (A+7°C / W+55°C)	W	6545	8302	10612	13043
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
Consumption (A-7°C / W+35°C)	W	6667	8077	8800	9388
Heating capacity / COP (A-7°C / W+55°C)	kW	10,74 / 1,22	19,80 / 1,74	20,60 / 1,69	6,15 / 2,05
Consumption (A-7°C / W+55°C)	W	8803	11379	12189	12331
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
Consumption (A+35°C / W+18°C)	W	3895	5000	6279	7750
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
Consumption (A+35°C / W+7°C)	W	5574	7119	9630	11569
Average heating climate (W+35°C / W+55°C). Energy class		A+++ / A++	A+++ / A++	A+++ / A+	A++ / A+
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
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 pipe connections	inch	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
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
Circuit breaker	A		D32	D32	D32
Communication wiring	mm ²	2x1	2x1	2x1	2x1
Wiring to controller	mm ²	5x1,5	5x1,5	5x1,5	5x1,5
Sound pressure	dB(A)	57,6	59,8	61,5	63,5
Sound power	dB(A)	71	73	75	77
Type of refrigerant		R-32	R-32	R-32	R-32
GWP		675	675	675	675
Refrigerant charge	kg	5	5	5	5
t CO ₂ eq	tCO ₂	3,37	0,95	3,37	3,37
Minimum water volume	l	90	110	130	150
Nominal flow rate	m ³ /h	3,10	3,78	4,47	5,18
Electrical heater support	W	Not included	Not included	Not included	Not included
Water pump pressure	mH ₂ O	12	12	12	12
Expansion vessel	l	8	8	8	8
Water pipe connections	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"
> Working range					
Outdoor ambient temperature for DHW min. / max.	°C	-25 / 43	-25 / 43	-25 / 43	-25 / 43
Outdoor ambient temperature for heating min. / max.	°C	-25 / 35	-25 / 35	-25 / 35	-25 / 35
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 46	-5 / 46	-5 / 46	-5 / 46
Leaving water temperature; min. / max. DHW	°C	40 / 60	40 / 60	40 / 60	40 / 60
Leaving water temperature; min. / max. heating	°C	25 / 60	25 / 60	25 / 60	25 / 60
Leaving water temperature; min. / max. cooling	°C	5 / 25	5 / 25	5 / 25	5 / 25