

Polar



KCTAQ-03
Standard



SMART GRID
READY



R-290
REFRIGERANT



DOMESTIC HOT
WATER



DC INVERTER
COMPRESSOR



COOLING AND
HEATING



COMPATIBLE
WITH AIRZONE



WI-FI



MODBUS



CONFIGURATION
VIA USB PORT

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

Model		KHP-MO-P 10 DVP	KHP-MO-P 14 DVP	KHP-MO-P 16 DTP
> Set				
Heating capacity / COP (A+7°C / W+35°C)	kW	8 / 5.25	14 / 4.7	15.5 / 4.5
Consumption (A+7°C / W+35°C)	W	1919	2979	3444
Heating capacity / COP (A+7°C / W+55°C)	kW	8 / 3.35	13.8 / 3.15	16 / 3.05
Consumption (A+7°C / W+55°C)	W	2969	4381	5246
Heating capacity / COP (A-7°C / W+35°C)	kW	8 / 3.15	12 / 2.80	13.1 / 2.7
Consumption (A-7°C / W+35°C)	W	2540	4286	4852
Heating capacity / COP (A-7°C / W+55°C)	kW	8.8 / 2.20	12 / 2.15	13 / 2.30
Consumption (A-7°C / W+55°C)	W	4000	5581	6190
Cooling capacity / EER (A+35°C / W+18°C)	kW	10 / 4.60	14 / 4.4	15 / 4.25
Consumption (A+35°C / W+18°C)	W	2174	3182	3529
Cooling capacity / EER (A+35°C / W+7°C)	kW	8.1 / 3.10	12.4 / 3	14 / 2.70
Consumption (A+35°C / W+7°C)	W	2613	4133	5185
Average heating climate (W+35°C / W+55°C). Energy class		A+++ / A+++	A+++ / A+++	A+++ / A+++
Average heating climate (W+35°C / W+55°C). η_s	%	211 / 159	210 / 157	185 / 151
Average heating climate (W+35°C / W+55°C). SCOP		5.35 / 4.05	5.33 / 4.00	4.70 / 3.85
Warm heating climate (W+35°C / W+55°C). η_s	%	273 / 191	271 / 190	267 / 191
Warm heating climate (W+35°C / W+55°C). SCOP		6.90 / 4.85	6.85 / 4.83	6.75 / 4.85
Cold heating climate (W+35°C / W+55°C). η_s	%	180 / 135	178 / 136	169 / 137
Cold heating climate (W+35°C / W+55°C). SCOP		4.58 / 3.45	4.53 / 3.48	4.30 / 3.50
Chilling efficiency (W+7°C / W+18°C). Keymark certification. $\eta_{s,c}$	%	201.8 / 263	201.8 / 263	219 / 323.4
Chilling efficiency (W+7°C / W+18°C). Keymark certification. SEER		5.53 / 7.67	4.97 / 6.94	4.98 / 6.87
Width / Height / Depth	mm	1330 / 1051 / 501	1330 / 1051 / 501	1330 / 1051 / 501
Net weight	kg	161	181	181
Power supply	V/ph/Hz	220-240 / 1 / 50	220-240 / 1 / 50	380-415 / 3 / 50
Max. intensity	A	21	31	11
Circuit breaker	A	025	D32	D20
Wiring to controller	mm ²	2x1,5	2x1,5	2x1,5
Sound pressure	dB(A)	41	46	49
Sound power	dB(A)	54	57	59
Type of refrigerant		R-290	R-290	R-290
GWP		3	3	3
Refrigerant charge	kg	1.1	1.5	1.5
t CO ₂ eq	tCO ₂	0.00	0.00	0.00
Minimum water volume	l	40	60	60
Nominal flow rate	m ³ /h	1.70	2.50	2.95
Electrical heater support	W	3000	3000	Regulable 9000/6000/3000
Water pump pressure	mH ₂ O	9	9	9
Water pipe connections	inch	1 1/4"	1 1/4"	1 1/4"
> Working range				
Outdoor ambient temperature for DHW min. / max.	°C	-25 / 46	-25 / 46	-25 / 46
Outdoor ambient temperature for heating min. / max.	°C	-25 / 35	-25 / 35	-25 / 35
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 46	-5 / 46	-5 / 46
Leaving water temperature; min. / max. DHW	°C	10 / 80	10 / 80	10 / 80
Leaving water temperature; min. / max. heating	°C	12 / 80	12 / 80	12 / 80
Leaving water temperature; min. / max. cooling	°C	5 / 30	5 / 30	5 / 30