

# KLEREO THERM by Aquark

## HEATING PUMP FOR SWIMMING POOL



# KLEROO THERM

## DATA SHEET

Model	KL70-KTH7	KL70-KTH9	KL70-KTH11	KL70-KTH13	KL70-KTH15	KL70-KTH17	KL70-KTH21	KL70-KTH28	KL70-KTH28-TRI	KL70-KTH35-TRI
PERFORMANCE CONDITION : AIR 27°C /WATER 27°C/HUMID. 80%										
Heating Capacity (kW)	7.0	9.0	11.0	13.0	15.0	17.5	21.0	28.0	28.0	35.2
COP range	14.0 ~ 7.2	14.0 ~ 7.2	14.0 ~ 7.0	14.5 ~ 7.0	15.0 ~ 7.0	15.6 ~ 7.0	14.8 ~ 7.1	16.0 ~ 7.2	15.8 ~ 7.1	15.5 ~ 7.0
Average COP at 50% Speed	10.5	10.5	10.3	10.5	11.0	11.0	11.0	11.1	10.8	10.5
PERFORMANCE CONDITION : AIR 15°C /WATER 26°C/HUMID. 70%										
Heating Capacity (kW)	5.0	6.6	7.7	9.0	10.5	12.5	14.5	19.0	19.0	24.2
COP range	7.3 ~ 4.5	7.5 ~ 4.8	7.3 ~ 4.7	7.5 ~ 5.0	7.7 ~ 4.9	7.7 ~ 5.0	6.9 ~ 4.9	7.1 ~ 5.0	8.0 ~ 5.0	7.5 ~ 5.0
Average COP at 50% Speed	6.5	6.5	6.6	6.4	6.8	6.6	6.6	6.6	6.5	6.6
PERFORMANCE CONDITION : AIR 35°C /WATER 28°C/HUMID. 80%										
Cooling capacity (kW)	3.5	4.4	5.4	6.3	7.4	8.0	10.1	11.9	11.9	16.1
TECHNICAL SPECIFICATIONS										
Advised pool volume (m <sup>3</sup> )*	15 ~ 30	20 ~ 45	30 ~ 55	35 ~ 65	40 ~ 70	40 ~ 80	50 ~ 95	60 ~ 120	60 ~ 120	85 ~ 160
Operating air temperature	-10°C ~ 43°C									
Compressor	DC Twin-Rotary Mitsubishi									
Casing	Aluminum									
Heat Exchanger	Twisted Titanium									
Power supply	230V mono								400V TRI	
Rated input power (kW)	0.14 ~ 1.12	0.19 ~ 1.38	0.22 ~ 1.64	0.26 ~ 1.8	0.28 ~ 2.15	0.33 ~ 2.50	0.38 ~ 2.90	0.49 ~ 3.80	0.49 ~ 3.80	0.65 ~ 4.84
Input power at 50% speed (kW)	0.38	0.51	0.58	0.7	0.77	0.95	1.1	1.44	1.46	1.84
Rated input current (A)	0.61 ~ 4.83	0.83 ~ 5.98	0.96 ~ 7.13	1.13 ~ 7.83	1.22 ~ 9.32	1.44 ~ 10.9	1.66 ~ 12.70	2.15 ~ 16.53	0.71 ~ 5.51	0.95 ~ 7.01
Sound level at 1m dB(A)	36.5 ~ 46.0	36.8 ~ 46.2	36.6 ~ 47.9	40.1 ~ 48.7	39.3 ~ 52.0	41.1 ~ 51.8	38.9 ~ 52.2	41.5 ~ 52.9	41.5 ~ 52.9	40.6 ~ 52.6
Sound level 50% at 1m dB(A)	39.2	39.4	41.3	43.7	44	44.5	44.4	46.4	47	46.1
Sound level at 10m dB(A)	16.5 ~ 26.0	16.8 ~ 26.1	16.6 ~ 27.9	20.1 ~ 28.7	19.3 ~ 32.0	21.1 ~ 31.8	18.9 ~ 32.2	21.5 ~ 32.9	21.5 ~ 32.9	20.6 ~ 32.6
Advised water flux (m <sup>3</sup> /h)	2 ~ 4	2 ~ 4	3 ~ 5	4 ~ 6	5 ~ 7	6 ~ 8	8 ~ 10	10 ~ 12	10 ~ 12	12 ~ 18
Water connection (mm)	50									
Dimensions LxPxH (mm)	890*430*658	890*430*658	890*430*658	890*430*658	970*430*658	1060*430*658	1060*430*758	1060*430*958	1060*430*958	1314*512*958
Net weight (kg)	52	53	55	57	61	66	72	91	96	135

### Remarks:

The data above is only for reference. For specific data, please refer to the nameplate on the unit.

\* Advised pool volume applies to a private pool with isothermal cover, from April to September