

**Aqualine Heat Cool pump Series:**



**External Heat Exchanger (Evaporator coils)**  
 The tubes are made of copper and the fins in aluminium. The extra-large evaporator coils are designed to collect more heat from the outside air to ensure performance in even the most adverse conditions. Fan Large axial fans, with precision engineered blades are used to draw maximum ambient air and pass it on to the evaporator coils.

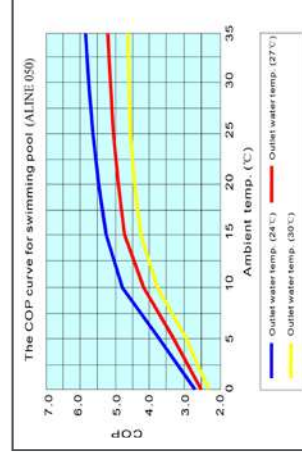
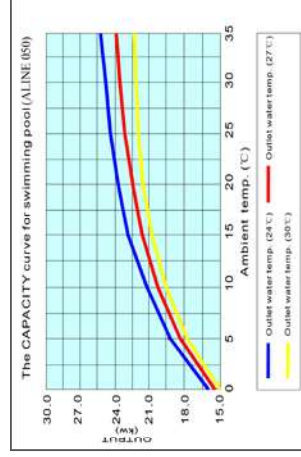
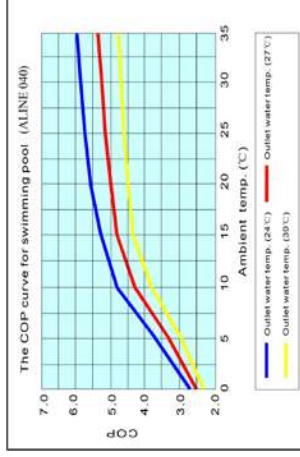
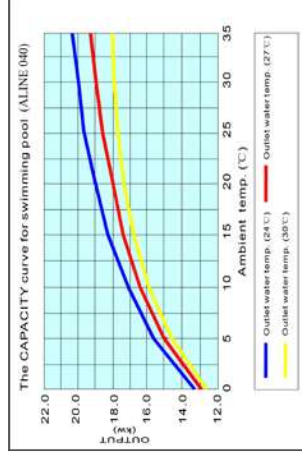
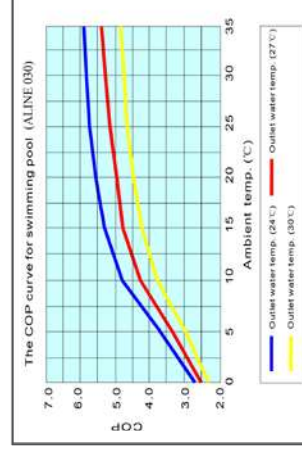
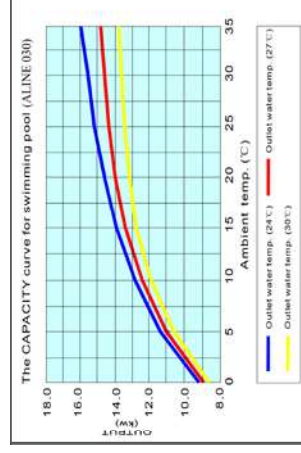
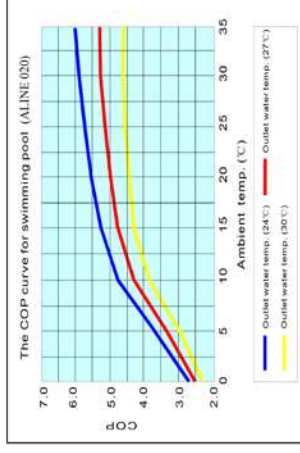
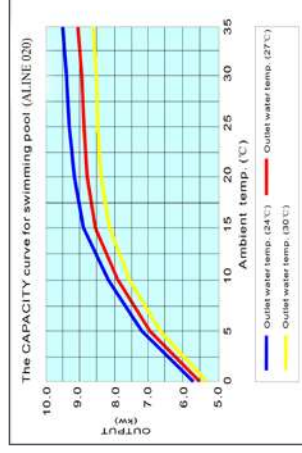
**Refrigerant**  
 We use the ecologically approved refrigerant R407-C, R410-A, R134-A, R22 depending on the clients requirement.



Aqualine manufactures reversible cycle heat pump that can also be used for cooling water during summer. For maximum efficiency you can combine your reversible cycle heat pump and solar pool heating in one system to capitalise on the sun's free energy. All components of Aqualine heat/cool pumps are of the highest international quality.

**Water Heat Exchanger**

This is made of double spiralled Titanium tubes encased in PVC for additional protection against corrosive pool water. Titanium heat exchanger are superior to stainless steel and makes the heat pump more efficient and cost effective. The double spiraling of the heat exchanger increases the surface area that comes in contact with the pool water, and also drastically reduces sealing.



Running costs		Electricity cost (c/Kwh)						Total running Costs (Per hour) c/kwh				
Model	Maximum Pool Capacity with Cover	Rated Power (KW)	Run-time (hours)	Electricity Consumption (KW/hour)	ACT	NSW	QLD		SA	TAS	VIC	WA
SPH20	40	1.4	1	1.4	22.3	34.5	25.4	37.7	27.8	27.2	24.9	\$0.31c-\$0.52c
SPH30	60	1.8	1	1.8	22.3	34.5	25.4	37.7	27.8	27.2	24.9	\$0.40c-\$0.67c
SPH45	80	2.4	1	2.4	22.3	34.5	25.4	37.7	27.8	27.2	24.9	\$0.53c-\$0.90c
SPH60	110	3.7	1	3.7	22.3	34.5	25.4	37.7	27.8	27.2	24.9	\$0.82c-\$1.39c
SPH75	150	4.5	1	4.5	22.3	34.5	25.4	37.7	27.8	27.2	24.9	\$1.53c-\$1.69c

\* Electricity cost correct at time of publishing. Total running costs (per hour) is dependent on location and are subject to change.



## Aqualine Series - Australia's Best Heat Pump

Specification	Model /code						
	ALINE020	ALINE030	ALINE040	ALINE050	ALINE060	ALINE070	
Heating capacity	KW	8,8	13	17	21	25	35
	BTU/hr	30000	44000	58000	72000	86000	120000
Heating power input	KW	1,9	2,65	3,7	4,6	5	7,5
	KW	5,8	8,8	12	14,5	17,4	25
Cooling capacity	BTU/hr	19720	30000	41000	49500	59500	86000
	KW	2,1	2,85	3,9	5,2	5,8	8,4
Running current	A	8,6/9,6	13,6/14,3	18,0/19,1	7,1/7,35	8,9/10,33	14,5/13,2
	COP	5,1	5,1	5,0	5,0	5,1	5,0
Power supply	V/PH/ HZ	230/1/50	230/1/50	230/1/50	380/3/50	380/3/50	380/3/50
	Compressor quantity	1	1	1	1	1	2
Compressor	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll
	Fan quantity	1	1	1	1	1	2
Fan input power	W	150	200	200	200	200	200x2
	RPM	850	830	830	830	830	830
Fan direction	Horizontal	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
	Noise	50	51	51	51	54	59
Water connection	mm	50	50	50	50	50	50
	Water flow volume	3	6	7,5	8	9	10
Water pressure drop (max)	kPa	8	8	10	12	12	15
	Unit net dimensions (L/W/H)	1010 *420 *650	660 *660 *860	660 *660 *860	660 *660 *880	660*660 *880	1448*725* 976
Unit net weight	KG	77	86	100	125	150	200

Data sheet is based on capacities.

Cooling - Ambient air temp.: 42°/36°C, water temp.:33°C

Heating - Ambient air temp.: 23°/18°C, water temp.: 26°C

## Aqualine Series - Australia's Best Heat Pump

Specification	Model /code						
	ALINE080	ALINE090	ALINE110	ALINE120	ALINE130	ALINE140	
Heating capacity	KW	45	55	90	105	160	210
	BTU/hr	150000	187000	306000	357000	550000	714000
Heating power input	KW	9,5	11	17,5	22,5	34,2	46,3
	KW	34	42	70	88	120	150
Cooling capacity	BTU/hr	11600	143000	238000	300000	410000	510000
	KW	9	10,3	17,8	24,7	41,6	56,2
Running current	A	16,4/15,7	19,2/18,0	31,2/31,7	40,1/44,0	61,0/74,2	81,8/99,1
	COP	5,1	5,1	4,9	4,9	4,9	4,9
Power supply	V/PH/ HZ	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
	Compressor quantity	2	2	3	4	4	4
Compressor	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Fan quantity	2	2	3	3	3	4
Fan input power	W	200x2	200x2	200x3	200x3	550x3	550x4
	RPM	830	830	830	830	870	920
Fan direction	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
	Noise	61	61	62	62	65	67
Water connection	mm	63	63	63	110	110	110
	Water flow volume	14	18	30	32	40	50
Water pressure drop (max)	kPa	15	15	16	16	24	24
	Unit net dimensions (L/W/H)	1450*730 * 1080	1450 *730 *1280	2150*760 * 1310	2170 *1065 *1930	2170 *1065 *2100	2850 *1108 * 2220
Unit net weight	KG	250	265	370	695	950	1350

Data sheet is based on capacities.

Cooling - Ambient air temp.: 42°/36°C, water temp.:33°C

Heating - Ambient air temp.: 23°/18°C, water temp.: 26°C