



# THE FUTURE OF POOL HEATING IS HERE

AIR-SOURCE INTELLIGENT  
POOL HEAT PUMP



 **aquaheat**  
INTELLIGENT POOL HEAT PUMP



# AQUAHeat

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## INVERPAD TECHNOLOGY

InverPad technology is the most silent and energy saving inverter pool heating solution.

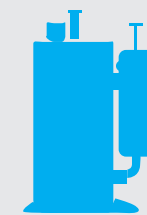
### BACK-DISCHARGE DESIGN

It adopts patent back-discharge design which eliminates every possible noise to ensure the most silent performance for customer.



## EXTREME SILENCE

Enjoy the peace of mind by AquaHeat! Thanks to the patented air stream design technology, the sound level of AquaHeat is as low as a fridge.



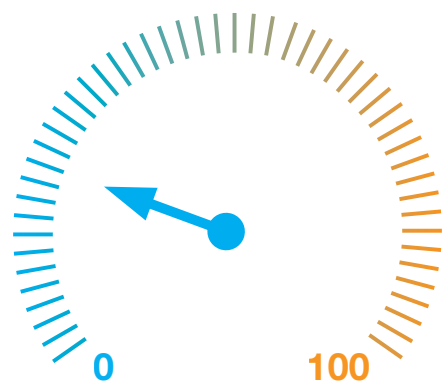
Mitsubishi Twin-Rotary  
Inverter Compressor



Unique Air-Stream  
Design



DC Brushless  
Fan Motor



### STEPLESS DC INVERTER

It adopts the industry's leading efficient Stepless DC Inverter control system. With smart conversion of compressor, fan motor and pressure system, it provides amazing energy saving performance.



Average sound level is  
43 dB(A) at 1 meter  
distance



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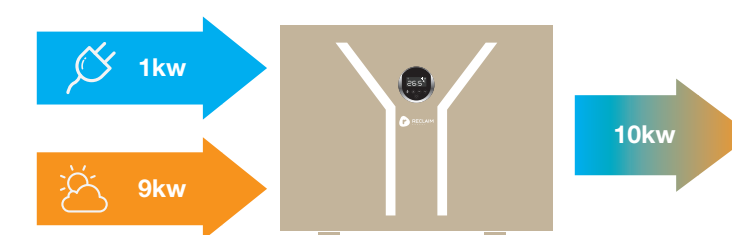
## AVERAGE COP 10.7

COP range 15.8 - 6.9 (air 27°C / water 27°C)

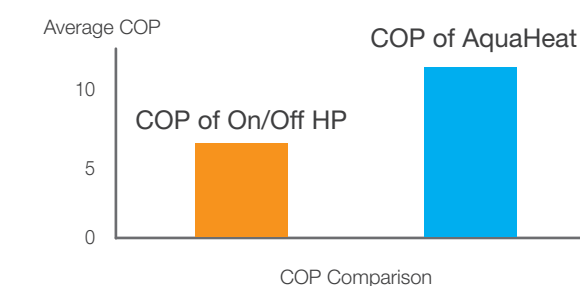
To maintain pool temperature through 95% of pool season, the heat pump runs at 50% capacity to provide the best energy saving performance and most silent pool environment.

## 90% FREE ENERGY

Thanks to InverPad technology, AquaHeat provides average 90% free energy from ambient air.



## DOUBLE ENERGY SAVING THEN ON/OFF HP.



INTELLIGENT  
TECHNOLOGY  
IDEAL FOR  
AUSTRALIAN  
CONDITIONS





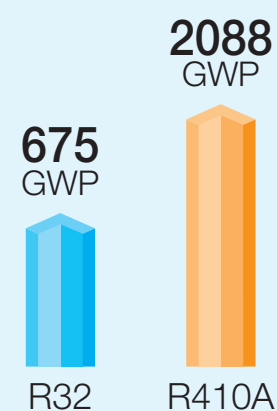
## SIMPLE CLASSIC TOUCH CONTROLLER

The Aquaheat Intelligent Pool Heat Pump adopts simple touch controller which brings the best user-friendly experience.



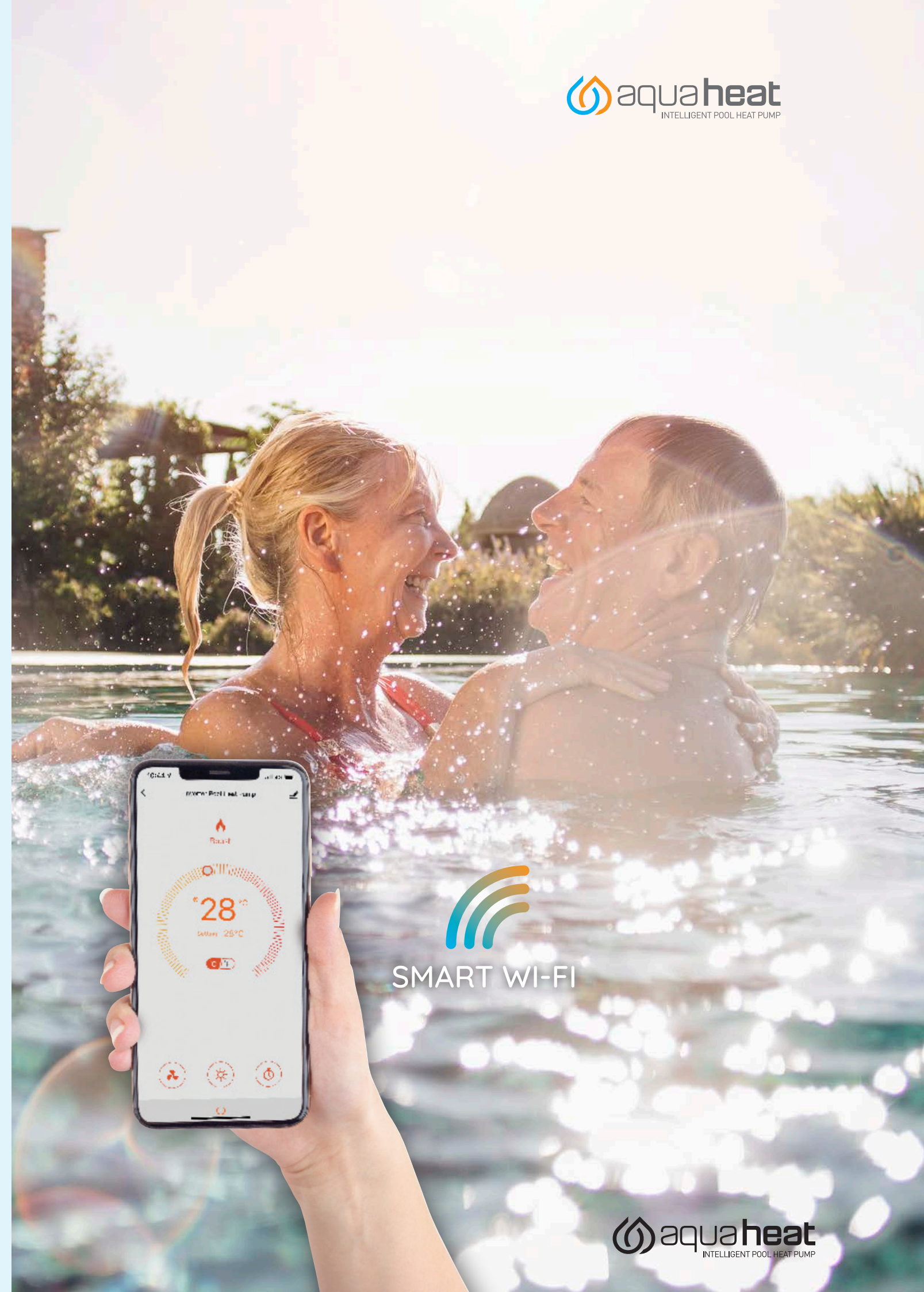
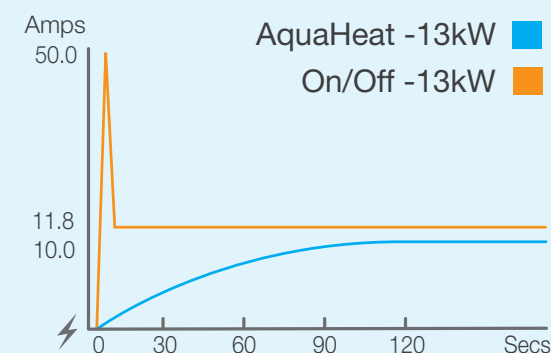
## ECO-FRIENDLY R32

R32 gas is the next generation refrigerant. 32% GWP comparing to R410A, 25% CO<sub>2</sub> carbon consumption, 25% gas quota cost.



## INTELLIGENT SYSTEM PROTECTION

The input current will start from 0 amps and increase steadily. No rush to house electricity system. And AquaHeat can adapt to wide voltage from 180V to 260V, and adjusts the system in different condition.






# KEY FEATURES OF THE AQUAHEAT



DC twin-rotary Inverter compressor of Mitsubishi.



EEV technology: 10 times flexibility to adjust the gas flow and increase the COP by up to 20%.



Reverse cycle defrosting with 4-way valve for quick and efficient defrosting



Twisted titanium heat exchanger: 40% higher efficiency than normal titanium heat exchanger.



Designed for down to Air -10 °C operation.



	REHP-R32PL-9	REHP-R32PL-13	REHP-R32PL-21	REHP-R32PL-28	REHP-R32PL-35
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%					
Heating capacity (kW)	9.0	13.0	20.8	27.8	35.0
COP Range	14.0~7.1	14.5~7.0	14.6~7.0	15.8~7.2	15.3~7
Average COP at 50% speed	10.4	10.4	10.9	11.0	10.6
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%					
Heating capacity (kW)	6.5	8.9	14.3	18.8	24.0
COP Range	7.3~4.7	7.5~4.9	6.9~4.9	7.8~4.9	7.5~5.0
Average COP at 50% speed	6.4	6.3	6.5	6.5	6.6
TECHNICAL SPECIFICATIONS					
Advised pool volume (m³)*	20~45	35~65	50~95	60~120	85~160
Operating air temperature (°C)	-10°C ~ 43°C				
Compressor	Twin-rotary Mitsubishi DC Compressor				
Heat exchanger	Twisted Titanium Heat Exchanger				
Power supply	230V 1Ph	230V 1Ph	230V 1Ph	230V 1Ph	400V 3Ph
Rated input power (kW)	0.19~1.38	0.26~1.80	0.38~2.92	0.5~3.84	0.65~4.80
Input power at 50% speed (kW)	0.51	0.70	1.10	1.45	1.82
Rated input current (A)	0.83~5.98	1.13~7.83	1.65~12.70	2.17~16.70	0.94~6.96
Maximum input current (A)	8.5	12	17	20	10.5
Power cord (mm²)	3 x 2.5	3 x 2.5	3 x 4	3 x 6	5 x 2.5
Sound level at 1m dB(A)	36.8~46.2	40.1~48.7	38.9~52.2	41.5~52.9	40.6~52.6
Sound level 50% at 1m dB(A)	39.4	43.7	44.4	46.4	46.1
Sound level at 10m dB(A)	16.8~26.1	20.1~28.7	18.9~32.2	21.5~32.9	20.6~32.6
Advised water flux (m³/h)	2~4	4~6	8~10	10~12	12~18
Water connection (mm)	50	50	50	50	50
Net weight (kg)	55	59	74	94	N/A
Net dimension LxWxH (mm)	890 x 440 x 658	890 x 440 x 658	1060 x 440 x 758	1060 x 440 x 958	1310 x 527 x 990
Qty per 20FT / 40HQ (sets)	78/174	78/174	48/150	48/100	32/64

The data above is only a 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.

**WARRANTY:** Heat exchanger – 25 years. Spare parts – 4 years. Labor – 1 year

## Why Aqua Heat?

We believe in the goal of a sustainable lifestyle and the potential for living off-grid. With over 15 year's experience, we are passionate about the potential of energy efficient and environmentally-friendly heating, or cooling, tailored to Australian requirements.

Through our commitment to product innovation and next generation technology, we truly believe we have designed a pool heat pump system that is one of the most energy efficient and flexible solutions available in Australia today.

## Our people are here for you.

We have high quality resellers all around Australia, so talk to one of our specialists and start saving today.

YOUR AQUA HEAT DEALER

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