



# Domestic Swimming Pool Heat Pumps



· FOUPH70INV · FOUPH90INV · FOUPH11INV  
· FOUPH16INV · FOUPH19INV

- Heat your pool to 30°C+ for a fraction of the cost of an electric heater
- Maximises year-round enjoyment of your pool.  
(Note that a pool blanket is required to maintain temperature.)
- Neat weatherproof unit is quickly and easily installed near your pool – no large unsightly solar panels required
- Titanium Heat Exchanger guards against corrosion
- Ranges from 7Kw to 19Kw
- Adds to the value of your home
- More efficient R32 gas
- Backed nationwide by Fourways Airconditioning

[www.fourwaysaircon.com.au](http://www.fourwaysaircon.com.au)

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AquaBlue

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## Cost-Effective pool Heating

Fourways' pool heat pumps use refrigeration technology to extract heat from the surrounding air transferring it to the swimming pool to heat the water. Depending on the heat pump model as little as 0.15 – 3.6 kilowatts of electricity per hour is used to run the compressor and fan.

## Heat Extraction

The fan circulates air through the evaporator air coil that acts as a heat collector. The liquid refrigerant in the evaporator air coil absorbs the available heat from the ambient air.

## Heat Intensification

The compressor then receives the warmed refrigerant and intensifies the heat. The intensely hot refrigerant is then pumped into the heat exchanger.

## Heat Transfer

The heat from the hot refrigerant flowing inside the heat exchanger is then transferred to the pool water.

## Recycle

The refrigerant restarts the process and flows through the evaporator air coil to collect heat once again.

With automatic start-up and shutdown as set by the user's requirements, a heat pump is simplicity itself to operate.

## Operates in all weathers

With an ambient operating range of -5°C to +43°C, the unit is unaffected by rain, snow or clouds. Automatic defrosting protection is built in, and the unit can operate day or night as required. (A pool blanket is required to maintain constant year-round temperature)

## Titanium heat-exchanger

A Fourways Heat Pump Pool Heater uses advanced corrosion-resistant titanium heat-exchanger technology ensuring maximum protection against corrosion.

## 5 Fourways Blue Aqua models available for home pools

A choice of models is available to suit various-sized pools. Your installer will advise on the correct one for your pool.

## More efficient R32 gas

R32 gas is used in our units, ensuring better efficiency.



*Aqua Blue*

Model		FOUPH70INV	FOUPH90INV	FOUPH11INV	FOUPH16INV	FOUPH19INV
Heating capacity (27/24.3°C)	kW	1.82-7.24	2.23-9.00	1.97-11.66	3.25-16.00	3.50-18.70
	Btu/h	6210-24700	7610-30710	6698-39644	11050-54400	11900-63580
Heating Power Input	kW	0.15-1.28	0.18-1.54	0.16-2.00	0.30-2.91	0.32-3.65
COP		12.13-5.66	12.39-5.84	12.57-5.84	10.83-5.50	10.94-5.12
Heating capacity (15/12°C)	kW	1.39-5.64	1.58-7.00	1.79-8.62	2.55-12.60	2.55-14.00
	Btu/h	4740-19240	5390-23880	6086-29308	8670-42840	8670-47600
Heating Power Input	kW	0.24-1.28	0.27-1.47	0.29-1.91	0.44-2.80	0.47-3.24
COP		5.79-4.41	5.85-4.76	6.17-4.52	5.80-4.50	5.43-4.32
Power Supply		240V - /50Hz	240V - /50Hz	240V - /50Hz	240V - /50Hz	240V - /50Hz
Compressor Quantity		1	1	1	1	1
Compressor		rotary	rotary	rotary	rotary	rotary
Fan Number		1	1	1	1	1
Noise	dB(A)	38-50	39-51	42-53	43-54	43-55
Water Connection	mm	50	50	50	50	50
Water Flow Volume	m <sup>3</sup> /h	2.4	3.0	3.7	5.2	6.0
Water Pressure Drop(max)	kPa	2	3	4	5	5
Unit Net Dimensions(L/W/H)	mm	1005x418x605	1005x418x605	1005x418x605	1046x453x768	1160x490x862
Unit Ship Dimensions(L/W/H)	mm	1030x435x615	1030x435x615	1030x435x615	1130x480x780	1210x510x880
Net Weight	kg	42	45	58	66	70
Shipping Weight	kg	52	55	68	76	80

Heating: Outdoor air temp: 27°C/24.3°C, Inlet water temp: 26°C

Outdoor air temp: 15°C/12°C, Inlet water temp: 26°C

Operating range: Ambient temperature: -5°C to +43°C

Water temperature: 9-40°C