



# ULTRATEMP

## HIGH-PERFORMANCE INVERTER HEAT PUMPS

BEST OF POWER & EFFICIENCY.

Pentair UltraTemp HXi and UltraTemp VXi heat pumps are equipped to automatically adjust performance to provide the optimal balance of heating power and efficiency. Just select your desired pool temperature on the crystal clear LCD display and the UltraTemp's onboard AI will do the rest.



[PENTAIRPOOL.COM.AU](http://PENTAIRPOOL.COM.AU)

Introducing

# ULTRATEMP HIGH-PERFORMANCE HEAT PUMPS

With today's record energy costs, there's never been a better time to invest in a heat pump. Compared to gas, oil or electric heaters, UltraTemp® High Performance Heat Pumps use just a fraction of the energy to generate the same amount of heat. In fact, just 25¢ worth of electricity produces \$1.50 worth of heat generated by other methods. That means more comfortable water temperatures and longer swimming seasons for you and your family.

## PENTAIR ULTRATEMP HEAT PUMP FEATURES:

- ▶ Pentair heat pumps transfer heat from the air into the pool using only a fraction of the energy required to heat the pool directly.
- ▶ The UltraTemp HXi heat pump offers best in class efficiency with COP (coefficient of performance) ratings far in excess of standard heat pumps.
- ▶ The UltraTemp HXi heat pumps feature variable speed compressors and fan motors (full inverter). These operate at reduced speed when full power is not required, cutting electricity costs and noise.
- ▶ Pentair heat pumps use the EPA-recognized, environmentally safe, non-ozone depleting R32 refrigerant. This allows the UltraTemp HXi heat pump to be awarded the Eco Select® brand accolade for environmental responsibility.
- ▶ 100% titanium heat exchanger assures corrosionfree performance for extra long life and value.
- ▶ Full-colour, LCD touchscreen displays an intuitive, menu with easy to follow icons and messages.
- ▶ Self-diagnostic software continuously monitors system for peak performance.
- ▶ Thermostatic Expansion Valve (TXV) controls refrigerant flow and optimises efficiency over a wider operating temperature range.
- ▶ Automatic defrost feature senses refrigerant temperature and helps prevent the UltraTemp heat pump from freezing, allowing the unit to operate effectively at lower temperatures.
- ▶ Perfect companion to IntelliCenter® or EasyTouch® Control Systems—heat pump control can be transferred to a centralised control system that manages all your pool/spa operations and poolscape features.
- ▶ Easy barrel union plumbing connections.
- ▶ Market leading warranty.\*



\*15 year warranty limited to titanium heat exchanger.  
Visit [pentairpool.com.au](http://pentairpool.com.au) for full warranty terms and conditions.

Pentair UltraTemp heat pumps are equipped to automatically heat or cool your pool water based on temperatures you set.

Select the heating or cooling mode and the intelligent thermostat will command the heat pump to heat or cool the water to your selected temperature.

***"Automatic heating and cooling!"***



• Digital controls with dual thermostats offer precise temperature control for pool/spa combinations and avoid overheating and energy waste.

• Self-diagnostic controls monitor and troubleshoot heat pump operations to ensure safer, dependable operation.

• Long-life, corrosion-resistant composite cabinet retains a like-new appearance for years.

• Pump output provided so heat pump can operate independently of the filtration system, turning pump on and off with its own time clock.

**Quiet** - 'Silent Mode' slows down the variable speed DC fan, reducing noise for whisper quiet operation.

**Powerful & Efficient** - Inverter compressor gives you the power to heat up quick and efficiency to maintain.



**Easy to Use** - Colour LCD touchscreen makes set-up and operation clear and simple.

**Tough** - UV resistant, rust-proof thermoplastic case designed for Australian conditions.

*Clearly, a heat pump is the best choice for pool heating. Also clear is the best-in-class performance and value of the fully-featured UltraTemp heat pump. Contact your pool professional today to learn which model is right for your pool.*

# ULTRATEMP™ HXi

- Horizontal exhaust for small footprint and installations with overhangs
- High efficiency
- Intuitive LCD touch screen
- Titanium threaded heat exchanger
- Heats and cools
- Auto defrost



## FEATURES:

**COP**  
**14.5**

### High Efficiency

With a COP as high as 14.5, the UltraTemp offers over six times more heat power than electrical power input. Giving you exceptional performance at the lowest running cost.



### Titanium Threaded Heat Exchanger

Provides maximum corrosion/erosion resistance, and improves heat transfer efficiency by up to 30%. Its rotating waterflow also improves descale ability.



### Multi-function Modes

Switches mode between heating and cooling and offers auto defrost by changing the refrigerant flow path. Comes in 4-way valve.



### Electronic Expansion Valve

The EEV supports automatic adjustment of refrigerant flow rate and makes the system work under optimized conditions for the purpose of fast heating and energy saving.

The EEV is better than capillary tube.



### Coloured LCD

Easy to use and programming, better visibility either be wall-free standing.

DESCRIPTION		UltraTemp HXi 9kW	UltraTemp HXi 12kW	UltraTemp HXi 16kW	UltraTemp HXi 20kW	UltraTemp HXi 24kW	UltraTemp HXi 28kW
Part No.		UTHP-9-HXi	UTHP-12-HXi	UTHP-16-HXi	UTHP-20-HXi	UTHP-24-HXi	UTHP-28-HXi
Ambient 27°C Water 26°C in 28°C out 80% Humidity	Capacity (kw)	2.3~9.0	2.5~12.0	3.1~16.0	3.70~20.0	6.5~24.3	7.1~28.2
	Power (kw)	0.16~1.41	0.18~1.90	0.22~2.54	0.27~3.08	0.45~3.74	0.49~4.41
	COP	14.2~6.4	14.1~6.3	13.9~6.3	13.8~6.2	14.5~6.5	14.3~6.4
Ambient 15°C Water 26°C in 28°C out 70% Humidity	Capacity (kw)	1.7~7.0	2.1~9.0	2.4~12.6	2.6~14.5	4.5~19.0	5.1~21.0
	Power (kw)	0.24~1.46	0.29~1.91	0.34~2.57	0.38~3.15	0.62~3.88	0.71~4.38
	COP	7.2~4.8	7.1~4.7	7.0~4.6	6.9~4.6	7.3~4.9	7.2~4.8
Ambient 35°C Water 30°C in 28°C out 41% Humidity	Capacity (kw)	3.15	3.75	5.61	7.85	8.93	11.78
	Power (kw)	1.4	1.58	2.2	3.18	3.43	4.44
	EER	2.25	2.37	2.55	2.47	2.61	2.65
Power supply		230-240VAC 50Hz	230-240VAC 50Hz	230-240VAC 50Hz	230-240VAC 50Hz	230-240VAC 50Hz	400-415V 3~50Hz
Max current (A)		8.4A	10.9A	16.6A	17.5A	22A	11A
Compressor Type		Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Panasonic	Panasonic
Water flow (LPM)		53	66	86	100	141	158
Sound Pressure (1m dBa)		39-50	41-52	42-53	43-54	44-55	45-56
Refrigerant		R32	R32	R32	R32	R32	R32

# ULTRATEMP™ VXi

- Vertical exhaust eliminates horizontal clearance requirements
- High efficiency
- Intuitive LCD touch screen
- Titanium threaded heat exchanger
- Heats and Cools
- Auto Defrost



### Colour-coded Ports

Comes in very easy to identify coloured ports, BLUE for the cold water inlet and RED for the warm water outlet.



### Electroplated Condenser

Repels water for quick defrosting, corrosion protection and accelerates the evaporation rate improving heat transfer efficiency.



### Wi-Fi Module

Every unit comes with a Wi-Fi module. Uses 'Handy-Heat' app which allows you to control the unit anywhere in the world. Module cable can be extended to improve signal range.



### Plastic/Metal Enclosure

Made of rust-proof ABS top front panels and powder-coated steel rear panel for protecting delicate screen fins.



### LCD Touchscreen

Easy and intuitive design for easy installation. Clear digital display for easy temperature control. Control module can be wall-mounted or

DESCRIPTION		UltraTemp VXi 13kW	UltraTemp VXi 17kW	UltraTemp VXi 20kW	UltraTemp VXi 24kW	UltraTemp VXi 28kW	UltraTemp VXi 32kW
Part No.		UTHP-13-VXi	UTHP-17-VXi	UTHP-20-VXi	UTHP-24-VXi	UTHP-28-VXi	UTHP-32-VXi
Ambient 27°C Water 26°C in 28°C out 80% Humidity	Capacity (kw)	3.5 - 13.5	3.8 - 17.5	5.2 - 20.6	6.2 - 24.0	8.5 - 28.0	10.4 - 32.0
	Power (kw)	0.26 - 2.08	0.27 - 2.73	0.38 - 3.17	0.43 - 3.53	0.6 - 4.31	0.77 - 4.92
	COP	13.5 - 6.5	13.8 - 6.4	13.6 - 6.5	14.5 - 6.8	14.2 - 6.5	13.5 - 6.5
Ambient 15°C Water 26°C in 28°C out 70% Humidity	Capacity (kw)	2.4 - 10.0	2.8 - 12.8	4.1 - 14.8	4.8 - 17.5	5.6 - 20.3	6.5 - 22.5
	Power (kw)	0.32 - 2.13	0.37 - 2.78	0.55 - 3.29	0.64 - 3.65	0.71 - 4.14	0.88 - 5.0
	COP	7.5 - 4.7	7.5 - 4.6	7.4 - 4.5	7.5 - 4.8	7.9 - 4.9	7.4 - 4.5
Ambient 35°C Water 30°C in 28°C out 35% Humidity	Capacity (kw)	6.2	6.9	12.2	13.5	14.5	14.8
	Power (kw)	1.78	2.1	3.8	3.5	4.5	4.80
	EER	3.5	3.2	3.2	3.86	3.22	3.08
Power supply		230-240V, 50Hz	230-240V, 50Hz	230-240V, 50Hz	230-240V, 50Hz	230-240V, 50Hz	400-415V, 3P 50Hz
Max current (A)		11.3A	13.3A	21.2A	22.8A	23.6A	14.73A
Compressor Type		Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic
Water flow (LPM)		108	133	158	167	200	250
Sound Pressure (1m dBA)		41-53	43-54	44-55	45-56	47-58	48-60
Refrigerant		R32	R32	R32	R32	R32	R32

## AN ECO SELECT® BRAND PRODUCT



As the global leader in pool and spa equipment manufacturing, we strive to provide greener choices for our customers. We hope you'll join us in embracing more eco-friendly poolscapes by choosing Eco Select brand products for your swimming pool.

Smart,  
sustainable  
solutions.  
**FOR LIFE.**



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