

DX series pool and spa heat pump



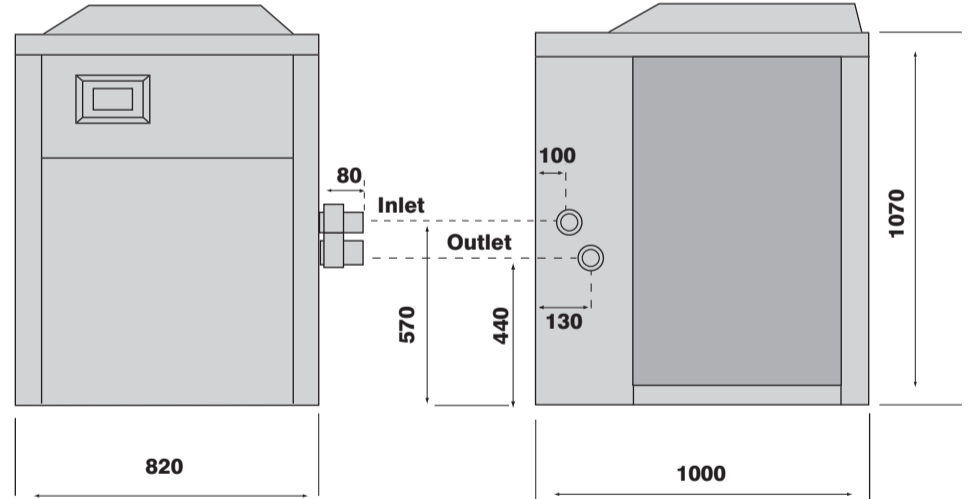
Once, pools were just a way to cool down in summer. They were great fun for a few months of the year. Today, more and more pools are fully heated. They are a significant investment and if heated, can provide a benefit all year round. Heating for Happiness... A heated pool is a delight for children and their friends. It's also perfect for entertaining. Run it all year long or use it to double or triple your swimming season. You can even switch it on and run it for the school holidays. However you choose to use your pool you won't believe how inexpensive it is to heat with a Hurlcon DX Heat Pump.

...and Health. For many, a pool is an integral part of a modern health and fitness program. Our sedentary lifestyles make an exercise regime almost essential. A pool provides low impact exercise through every stage of life, from birth to grand old age. That exercise can be very strenuous or very relaxing but, to be effective, it needs to be consistent. To confine it to the few months of the year when the pool is naturally warm is not convenient and it's not healthy. For all year round health and happiness a DX Heat Pump is the perfect answer.

Hurlcon DX series pool and spa heat pump



**Big Performance, Small Package.** Space restrictions are common in many installations. The Hurlcon DX Series Heat Pump is designed to deliver large scale output from a compact, easy to install package. Inside, everything is designed to save space. **And Tough too.** In fact, the build quality is so high that every DX Series heater carries a 5 Year Pro rata Warranty



Specifications.

Model	Power	Fuse Amps	Voltage	Input*	Heating Output*	Cooling Output*	Heating C.O.P	Width	Depth	Height	Weight	Water Connection	Noise Level @ 3m
DX 120	1 Phase	40	240/50hz	5.0/4.3kW	26/19kW		5.4/4.4	820mm	1000mm	1070mm	175kg	40mm	72dba
DX 120	3 Phase	20	415/50hz	5.0/4.3kW	26/19kW		5.4/4.4	820mm	1000mm	1070mm	175kg	40mm	72dba
DX 121	1 Phase	40	240/50hz	5.0/4.3kW	26/19kW	15/11kW	5.4/4.4	820mm	1000mm	1070mm	175kg	40mm	72dba
DX 121	3 Phase	20	415/50hz	5.0/4.3kW	26/19kW	15/11kW	5.4/4.4	820mm	1000mm	1070mm	175kg	40mm	72dba

\* Test Point 1: 27 degree ambient \ 63% RH & 27 degree entering water.  
 \* Test Point 2: 10 degree ambient \ 63% RH & 27 degree entering water.

Available from:

Due to Hurlcon's policy of continuous improvement, specifications may change without notice.



Order Free Fax 1800 635 781  
 or sales@hurlcon.com.au

**Victorian Office:**  
 Ph: 03 9765 9765  
 Fax: 03 9764 9009

**NSW Office:**  
 Ph: 02 9674 8544  
 Fax: 02 9674 8522

**Queensland Office:**  
 Ph: 07 3393 3233  
 Fax: 07 3393 3255

**South Australian Office:**  
 Ph: 08 8345 5755  
 Fax: 08 8345 5211

**Western Australian Office:**  
 Ph: 08 9258 9322  
 Fax: 08 9258 9344

# Hurlcon DX Series: the ultimate pool and spa heating or cooling system



Hurlcon's reputation for innovative technology and leading edge engineering was established by its ground

breaking gas pool and spa heaters. However, in some regions of Australia natural gas is unavailable or uneconomic.

For those applications, electricity is usually the best and most cost-effective option for year round heating.

And now, the brilliant Hurlcon DX Series Heat Pump offers the best and most cost-effective form of electrical pool heating.

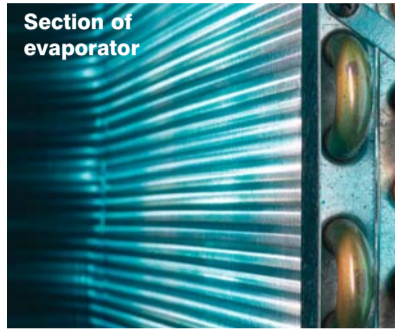
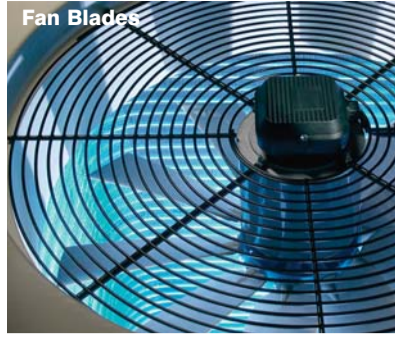
The DX Series Heat Pump uses the same principles employed in air conditioners and refrigerators. They all extract the latent heat that exists in the atmosphere all around us.

### How does it work?

A large fan draws air across an array of fine tubes called an evaporator. Each tube is filled with a remarkable chemical called a refrigerant which boils at extremely low temperatures. Any heat in the passing air causes the refrigerant to boil creating a hot vapour inside the tubes.

The tubes carry that vapour through a compressor, which increases both its pressure and temperature.

Finally, the super heated vapour is carried through the coils of the heat exchanger emersed in water being drawn from the pool. As the vapour's heat is transferred to the pool water, the vapour condenses back into a liquid and the tubes carry it back to the evaporator to begin the process all over again.



### Whisper Quiet.

The powerful, moulded, multi-blade fan is designed to draw vast amounts of air smoothly and quietly through the evaporator. It's blades are angled and sculptured to reduce fan noise to a new minimum.

### Super Efficient.

The Hurlcon DX Series employs a double row evaporator coil. Air drawn in by the fan is forced through the evaporator twice resulting in even greater efficiency from a smaller package.

### Reliable and Durable.

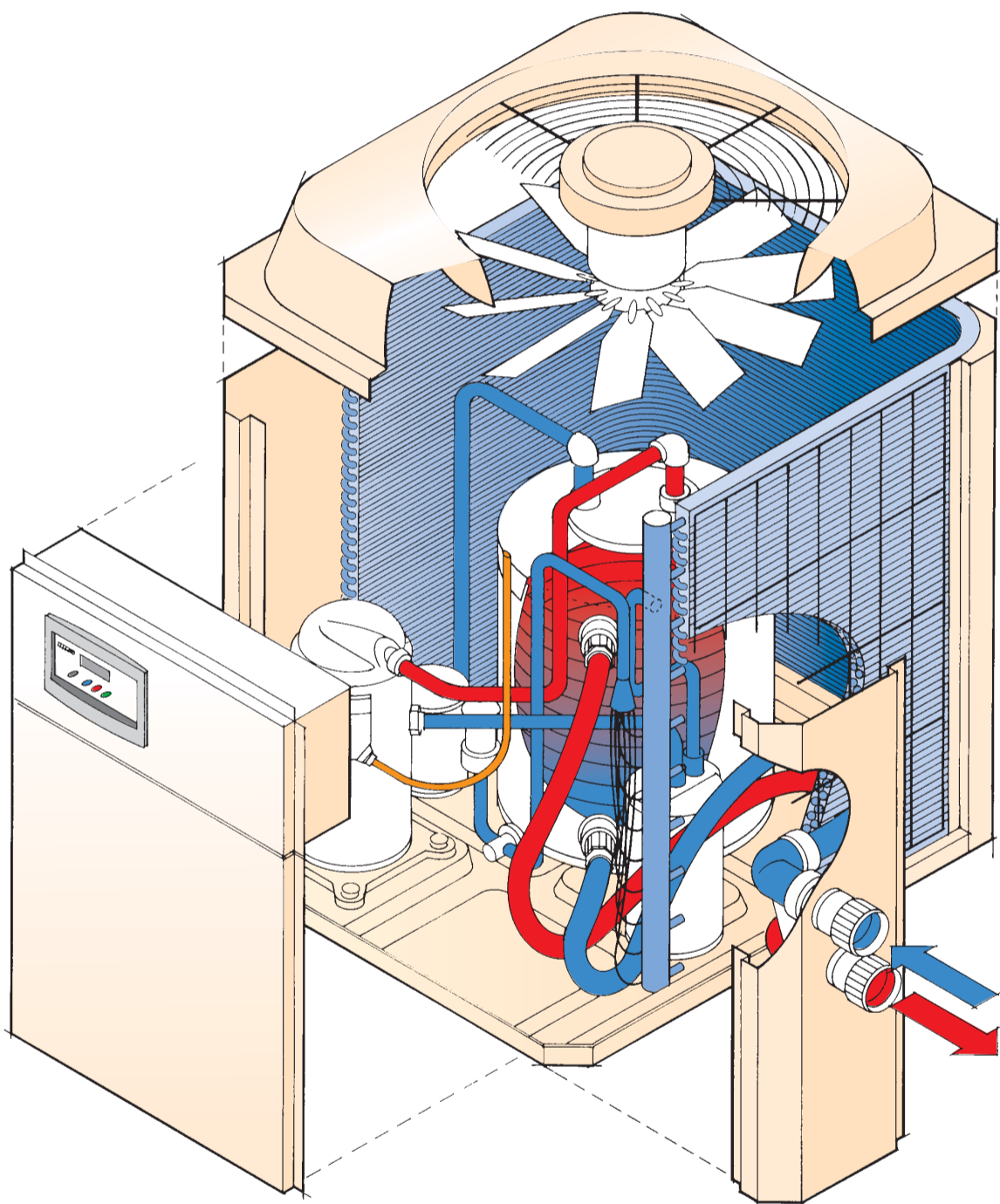
To ensure long life, the heat exchanger is made of Cupro Nickel. And it's not just the heat exchanger that's tough. The top and base of the DX heat pump are made of corrosion resistant polyethylene. The sides are powder-coated and the inlet/outlet header is corrosion-resistant and injection moulded in just one piece.

### Swimming without the Sun.

Unlike solar heating, you don't need the sun to swim with the DX. Even in the coldest Australian conditions, a correctly sized DX Heat Pump will still draw enough latent heat from the surrounding air to allow you to swim all year round.



In fact, even if the outside temperature drops below 7° Celsius, the combination of the TX valve and de-icing mode mean the DX will continue to keep your pool wonderfully warm and welcoming.



With Genus in control, you can just relax and enjoy your pool or spa. Switching between your pool and your spa was once a fairly complex exercise. Now Genus and the DX do it all by remote control.



The normal operation of compatible pumps, filters and a number of other Hurlcon pool and spa components has been programmed into the Genus software.

So Genus can drive motorised valves that automatically switch from pool to spa, making all the fine adjustments to filter, pump and heater operation along the way. It can even run other Hurlcon heating options.

Believe it or not, the DX Series Heat Pump is up to 500% efficient! In the end, all that sophisticated technology simply means that the DX Series can produce five times more heat energy than it consumes in electrical power. So, not only does it repay your investment in health and happiness, it's also amazingly cheap to run.

This 5 to 1 ratio is called its Co-efficient of Performance, [C.O.P.] and simply means that for every 1 kilowatt of power the DX Series consumes, it produces 4 to 5 kilowatts of heat energy. That makes it amazingly efficient, up to 500% efficient in fact.

### Affordable year round pool and spa heating.

Naturally, such efficiency equates to very low running costs. Ask your Hurlcon dealer for detailed costings for your region and you'll see why, for year round heating, the DX Series is perfect.

### Designed specifically for normal domestic applications.

Hurlcon engineers well understood the capacity of the domestic power grid and designed the DX Series to provide the maximum level of performance possible in a domestic installation.

And with around 26kW of output there's more than enough affordable heat for most domestic pools, most of the year.

### And even abnormal applications such as a cooling mode for extremely hot locations.

The DX121 models even have a 'cooling mode'. In tropical areas the pool water can get too warm in summer and that's when the DX121 can be switched over and used to cool the pool down. Now that's smart!

### DX Series Heat Pumps adopt the original genetic code.

It was the push to build an unprecedented level of intelligence and control into the MX Series gas heaters that created the amazing Genus Control System.



MX introduced the interactive intelligence that drives the entire Genus family of pool and spa

products. And a large part of that shared intelligence is actually built into the heater itself. Now, that same intelligence has been built into the DX Series Heat Pumps. So now you can build your complete Genus system around an MX gas heater or a DX Heat Pump.

### Genus is much, much more than just a clever controller.

The large Liquid Crystal Display was designed to be the perfect diagnostic tool providing as much, or as little information as you require. It displays water pressure and thermostat operation, ignition status, actual and set point temperatures.

It even helps protect the heater and can be used to run a complete fault analysis if ever necessary.



With all that intelligence built in, using it to provide pool and spa users with more convenience and control than ever before was the logical next step.