



# Equipment Summary

Nordic® heat pumps are available in the following series:



O or R Series

**(O) OPEN SERIES PASSIVE COOLING** full package units contain both compressor and blower sections of the heat pump in one cabinet. Optional desuperheater coils for production of domestic hot water are also available. Units are intended to pump water from an open well and discharge the water either to a return well, pond, leaching field or other suitable method. The refrigeration circuit is only operated in the heating mode while cooling is provided directly by pumping cold well water to the special section of the air coil. Domestic hot water available only during heating mode.

**(R) REVERSIBLE SERIES ACTIVE COOLING** full package units are similar in appearance to the (O) series however they offer mechanical cooling and are specifically suited to either well water or geothermal ground loops. Active cooling is required for a geothermal groundloop application due to the high loop fluid temperatures which may be encountered during summer operation. Can provide more cooling than (O) style units in the 4 and 5 HP range. Domestic hot water is available in both heating and cooling mode.



Liquid to Water



DX to Air

**(W) LIQUID-TO-WATER** units are intended for use on either open well systems or on closed loop systems. Available with domestic hot water desuperheaters and as either heating only or heating cooling systems. Very popular for use with concrete in-floor heating systems, swimming pool heating, or any other application where large quantities of hot water are required. Available with dual compressors (W3 system) to give 3 stages of capacity at an ultra high efficiency rate.

**(DX) DIRECT EXPANSION** units operate without a source of water by burying copper refrigerant tubing directly in the ground. Refrigerant is warmed in winter and cooled in summer by direct contact with the ground. Available as a split compressor and remote air handler (DXS) or as a complete package system as shown at left.

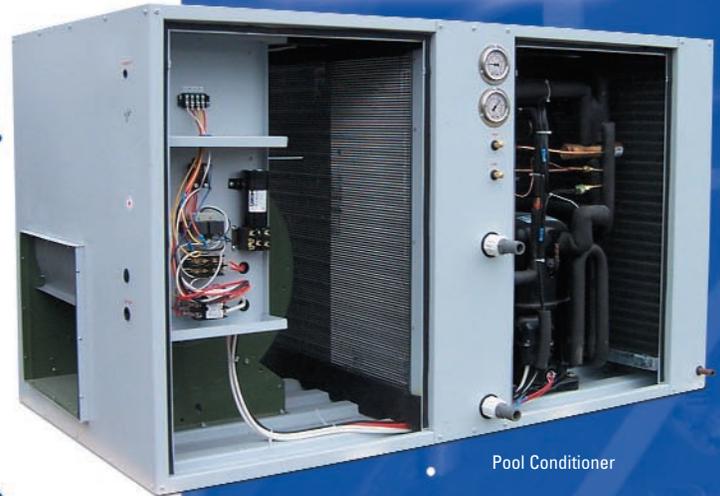
**(DXW) DX-TO-WATER** variations of the above are also available with a physical appearance as liquid to water.



DXS Series



# Special Purpose Equipment



Pool Conditioner

**(PC) INDOOR POOL CONDITIONERS** units operate by dehumidifying the pool room area and returning the latent heat back to the pool water. Properly sized units generally will also provide enough excess heat to condition the air in the pool room. An integral plenum heater attachment also allows the homeowner to initially bring the pool up to temperature without an auxiliary source of heat. Units can be constructed with either a top or side air discharge.



**(TF) TRIPLE FUNCTION** units provide hot air or full capacity hot water on demand with priority set to the air side of the machine. This means that the unit will automatically look after the heating or cooling of the home as required by the thermostat ... any off cycle time can be used to generate full capacity hot water. Excellent for infloor heating on one floor or area with ducted heating and cooling in another. TF models are also ideal for heating an indoor or outdoor swimming pool or spa.



TF Series

**(EM) ENERGY MODULE** units provide an easily applied solution for the marriage of an infloor heating system to a geothermal heat pump. Required components such as the HP, 316 SS distribution tank, domestic hot water, back-up heat, expansion tank, floor circulator, pressure gauges, thermostats and relief valves are built into one easy to install package. Available in loop, well and DX versions.



Energy Module

Manufactured by:  
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