



Did You
Know...
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Edition

Featured Unit: Indoor Water Source Heat Pump Air Handler with Enthalpic Energy Recovery Wheel

Contact us at
sales@xetexinc.com

Water Source Heat Pump Units

When it comes to Water Source Heat pumps or Ground Source Heat Pumps XeteX has you covered! XeteX's flexible unit designs allow for multiple options and configurations to help you meet our project requirements and energy-savings strategies for these types of applications.

This month the showcase unit features an Indoor water source heat pump for a school application in the Midwest. The unit is designed to handle a winter outside air temperature of -7°F using a combination of an enthalpy energy wheel and electric pre-heat. The pre-heat allows the energy wheel to continue to function at full capacity to ensure maximum energy recovery at design conditions.

Another design aspect of the unit was the addition of a face-bypass damper around the energy wheel. This allowed us to accomplish two things. This allows for economizing as well as frost control of the energy wheel if the temperature of the air stream were to go beyond design conditions.

Other unit highlights include:

- 2" double wall thermal break casing with foam injection insulation
- AIRotor 3A molecular sieve energy recovery wheel with purge and full factory wheel modulation controls
- Coaxial WSHP heat exchanger with 3-way modulating valve
- Modulating face and bypass damper for economizer and frost control
- Unit floor lined with 1/8" aluminum tread plate
- Stainless steel drain pans
- Electric pre-heat for frost control
- HGRH for humidity control
- Full factory unit controls
- Return Air CO2 sensor for demand control ventilation

If you need assistance on any application you are currently working on please contact XeteX Sales at 612-724-3101 or email us at sales@xetexinc.com.

Unit Specification:

Model:	AVR-1600-BP-PHE-CD-HG-HP-RC		
Height:	74"	Width:	94"
Length:	272"	Weight:	8,600 lbs.
OA Summer Design:	92°Fdb / 75°Fwb	OA Winter Design:	-7°Fdb
Supply CFM:	5,230	Energy Recovery:	Enthalpy Energy Wheel
Cool Type:	WSHP w/HGRH	Heat Type:	WSHP
Leaving Cooling Temp:	51°Fdb / 51°Fwb	Leaving Heating Temp:	80°Fdb

