

## ERV with Active Regen Desiccant Wheel & Enthalpy Wheel with Purge Sector

### MARKET: 12-Story Office Building

#### XeteX Helps Buildings Breathe Better!

This XeteX project highlights one of five indoor custom ERVs for a 12-story office high rise. Equipped with dual energy recovery wheels, the custom indoor ERVs are **specifically designed for a low delivered dewpoint of 42F**. The XeteX units are paired with a chilled beam system to a deliver energy efficiency, indoor air quality, precise temperature regulation and humidity control. Aluminum construction reduces unit weight and the four-section split unit design streamlines installation.

### CONSTRUCTION

- Indoor four-section split unit
- **3" double wall construction** with sound-buffering mineral wool insulation; 0.063" aluminum exterior casing with XeteX Gray acrylic paint
- 0.063" aluminum interior casing
- 8" structural steel welded frame with lifting lugs
- Aluminum floors

### OTHER FEATURES

- Perforated liner for acoustic dampening in SA, EA and regen fan sections
- Bi-polar ionization and quality filtration throughout for indoor air quality
- **65k SCCR**

### COMPONENTS

- A. OA 2" MERV 8 filters
- B. Enthalpy wheel with bypass dampers and purge sector
- C. SA 4" MERV 13 final filter
- D. Pre-heat HW coil
- E. Pre-cool CW coil
- F. Active regen desiccant wheel
- G. Supply fan array

- H. Post-cooling chilled water coil
- I. RA 2" MERV 8 regen filters
- J. Exhaust fan array
- K. 2" MERV 8 filters
- L. Regen HW coil
- M. Regen fan
- N. Unit split

<b>Model:</b>	AHR-2200-DXH-CW-CW-HW-RG	
<b>Dimensions:</b>	100"H x 123"W x 370"L	
<b>Weight:</b>	14,800 lbs	
<b>Supply CFM:</b>	8,200 CFM	
<b>Regen Airflow:</b>	2,500 CFM	
<b>Cooling Capacity:</b>	342 MBH (Pre-Cooling)	154 MBH (Post-Cooling)
<b>Heating Capacity:</b>	482 MBH / 122 MBH Regen	
<b>Wheel Efficiency:</b>	77% Winter / 75% Summer	
<b>Desiccant Wheel:</b>	LAT Moisture: 40.0 GR/LB	



Contact XeteX for your next Custom ERV!

