XeteX
Innovative Air Handling Solutions

DID YOU KNOW *design*

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ERU with Packaged DX, Indirect Gas-Fired Burner and Epoxy-Coated HX

MARKET: Medical Laboratory

Delivering 12,500 CFM, 30 tons of cooling capacity, and achieving up to 70% energy effectiveness, this custom XeteX energy recovery ventilation unit provides indoor air quality and a comfortable climate year-round for a medical laboratory application. The specialized ERV features an epoxy-coated aluminum crossflow plate heat exchanger, modulating face and bypass damper, packaged DX refrigeration, indirect gas-fired furnace, and quality MERV filtration throughout.

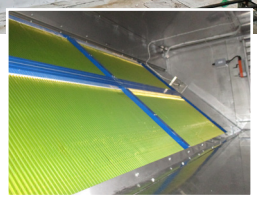
Model:	XHS-50-90-RT-BP-DX-HI-FF-AC
Dimensions:	98”H x 124”W x 278”L
Weight:	14,500 LBS
Supply CFM:	12,500 CFM
Cooling Type:	DX Evaporator Coil
Cooling Capacity:	360 MBH/30 Tons
Heating Type:	Indirect Gas-Fired Furnace
Heating Capacity:	495 MBH
Energy Recovery:	Epoxy-coated Sensible-Only Plate HX
Energy Effectiveness:	70% Winter / 62% Summer

CONSTRUCTION

- Outdoor unit
- 2” double wall construction with injected foam insulation (R-14); 20ga galvanneal exterior casing with gray acrylic paint; 18ga galvanneal interior casing
- 8” structural steel welded frame and lifting lugs
- Galvanneal floors with 2” injected foam insulation (R-6.9/in)

OTHER FEATURES

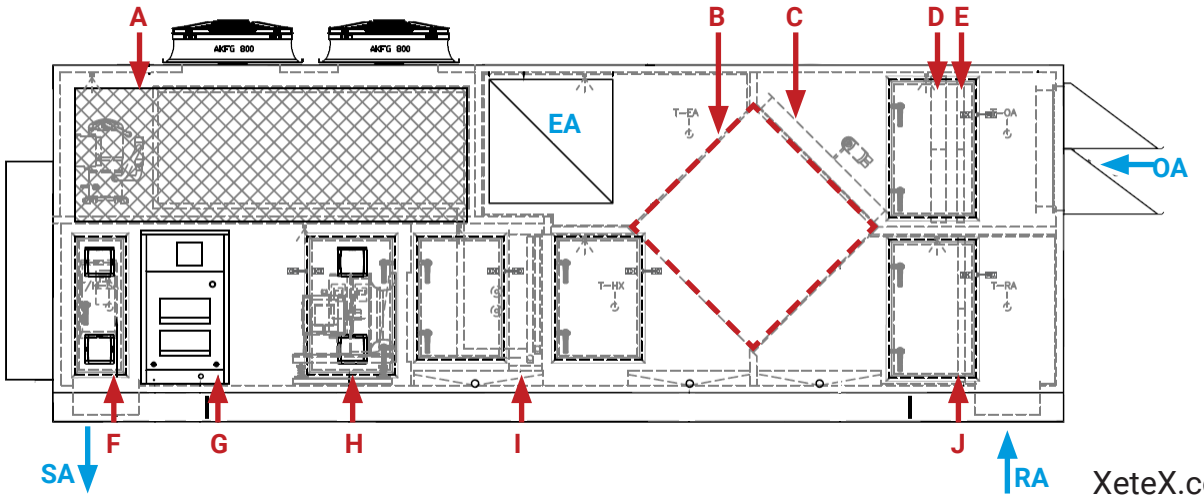
- Stainless steel liner in the exhaust tunnel
- Factory mounted Carel DDC programmed unit controls
- PIEZO flow rings; SA monitor pressure only PIEZO transducer
- Lab exhaust plumes by others



Epoxy-coated aluminum plate heat exchanger

COMPONENTS

A. AC section
B. Epoxy-coated aluminum sensible-only plate heat exchanger
C. Modulating face & bypass damper
D. 4” MERV 13 final filter with galv rack SA
E. 2” MERV 8 filters with galv rack OA
F. Air-cooled VFD compressor with R-410A refrigerant
G. 409 SS indirect gas fired furnace with 10-to-1 modulating valve
H. SA two fan array with plenum type frame and PIEZO flow rings
I. Air source DX cooling coil
J. 2” MERV 8 filters RA with SS rack



Contact XeteX for your next Custom AHU!

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