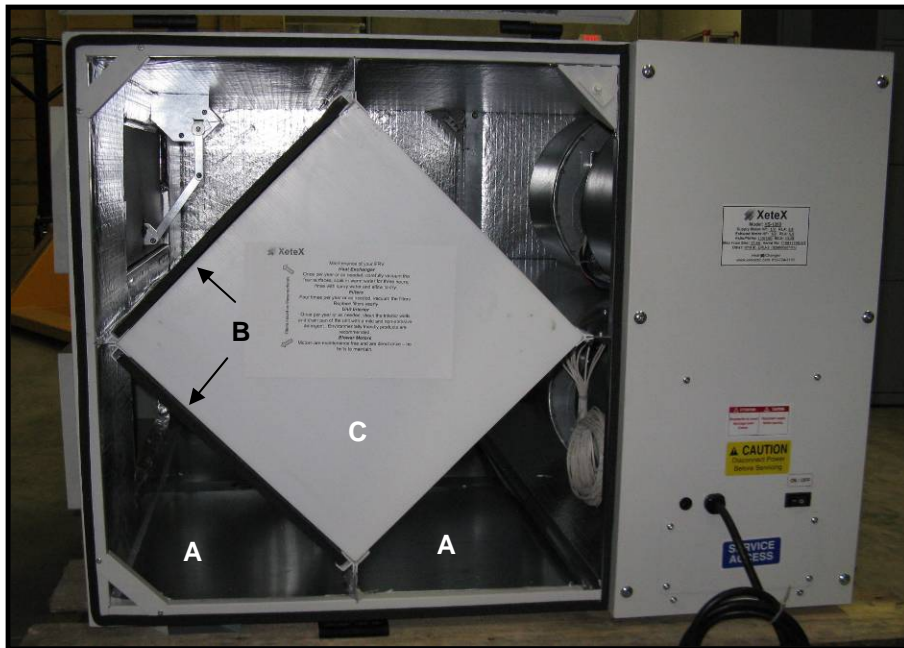


Super Efficient Energy Recovery for School Ventilation

This unit and two similar ones were built to control humidity in a locker room, restroom, and janitorial room for a school in Maine. The compact design allowed them to all be easily fit into very small mechanical rooms. The prepackaged controls and electrical equipment were designed to use standard 120 V power, making it plug-in-ready on delivery. During winter, the flat plate heat exchanger is able to recover 62% of the energy in the leaving exhaust air, making it as economical in operation as it is in initial investment.



(A): Drain Pan, (B): High Efficiency Filters, (C): Flat Plate Heat Exchanger

Unit Features

- Polypropylene flat plate exchanger recovers 43 MBH of heat in winter design conditions.
- Forward curved, DWDI supply and exhaust air blowers have three speed, high efficiency, direct drive motors.
- Heavy Duty aluminum case has 20 gauge panels, large access doors, and 1" thick fiberglass insulation.
- High Efficiency SA and RA filters
- SA fan cycle frost control



Performance Specification

Model: **HX-1200**

Supply cfm: 850

Exhaust cfm: 850

Built: September 2008

Dimensions: 25" H, 39" L, 41" W

Weight: 185 lbs

Energy 43 MBH (Winter)

Recovered: 8 MBH (Summer)

Design -7°F / 54% RH (Winter)

Conditions: 88°F / 44% RH (Summer)