

High Volume Energy Recovery for a Hospital

This XC Unit was one of four built in Sept 2005 for a Critical Care Hospital in Ontario. It provides 25,277 supply and return air cfm and features a large Model XLT™ 80–84 flat plate aluminum air-to-air heat exchanger, cabinet, face-and-bypass frost control, and filters.

The exchanger recovers 1,315 MBH at winter design conditions raising the outside air to 46°F. At summer design conditions, it recovers 280 MBH lowering the outside air temp to 85 °F.

Performance Specification

Model: **XC-80-84-BP-RT**
 Supply cfm: 25,277
 Exhaust cfm: 25,277
 Built: September 2005
 Dimensions: 128" H, 130" L, 116" W
 Weight: 6,000 lbs
 Energy 1,315 MBH (Winter)
 Recovered: 280 MBH (Summer)
 Design -20 °F / 100% RH (Winter)
 Conditions: 90 °F / 42% RH (Summer)



With End Panels Removed, the Face-and-Bypass Damper behind the Filter Rack is visible.



With End Panels and Filters in place

Unit Features

- XLT-80-84 Aluminum, Flat Plate Heat Exchanger
- Heavy Duty Double Wall (18 ga / 22 ga) Galvanized Steel Cabinet, 1" thick Fiberglass Insulation
- Complete with Disconnect and Single Point Power Connection
- Base Frame is Welded Structural Steel with Integral Lifting Lugs
- 2" MERV 8 (30/30) Outside Air and Return Air Filters
- Configured for Indoor installation
- Face-and-Bypass Damper provides Frost Control and Economizer Functions
- Galvanized Steel Drain Pan