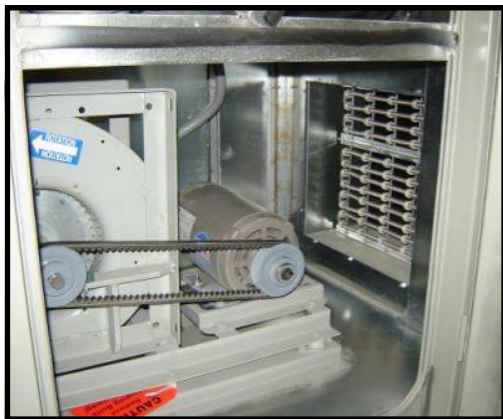


Small Units for Distributed Air Conditioning

Some applications take a distributed approach to air conditioning—instead of one large central unit, they call for multiple small units. The Heat-X-Changer[®] featured here is one of fourteen 100% outdoor make-up air, dehumidification, roof-top units built for a middle school in the Carolinas. They ranged in capacity from 725 cfm, 4 tons cooling, and 14 kW heating to 2,000 cfm, 12 tons cooling, and 36 kW heating. They were all supplied with a complete DX cooling circuit and a Model XLT[™] flat plate heat exchanger for dehumidification and reheat. Combined with electric resistance heaters, each is a complete, highly-efficient, year-round, total air conditioning solution.



6-Row DXCoil



FC-DWDI Blower

Performance Specification

Model: **DXH-20-24-RT-CD-HE**

Air Volume 1,500 cfm

Built: May 2006

Dimensions: 51" H, 148" L, 40" W

Weight: 2,000 lbs

Energy
Recovered: 28 MBH (Reheat)

Design 10 °F / 100% RH (Winter)
Conditions: 92 °F / 46% RH (Summer)

Unit Features

- A Model XLT-20F-24 Aluminum Flat Plate Exchanger provides 28 MBH cooling reheat.
- This unit has an enamel coated, 18ga, galvanealed steel exterior and a 20ga, galvanized, double wall interior with 2" PolyISO insulation. The cabinet is mounted on a welded structural steel base frame with integral lifting lugs.
- Outdoor/roof-top construction includes a sloped roof with capped seams, rain gutters, and screened intake hoods.
- The blower is a belt driven FC-DWDI fan driven by a 2 hp, NEMA frame, ODP, Premium Efficiency motor all mounted on an RIS isolated frame.
- The electrical system includes single point power disconnect, starters with overloads, and fused branch circuits with temperature controls provided by others.
- Outdoor air intakes include shut-off damper with actuator and 2" 30/30 filters.
- Heat: 25 kW Electric Resistance Heater—Cooling: 6-Row DX Coil and 6 Ton Compressor