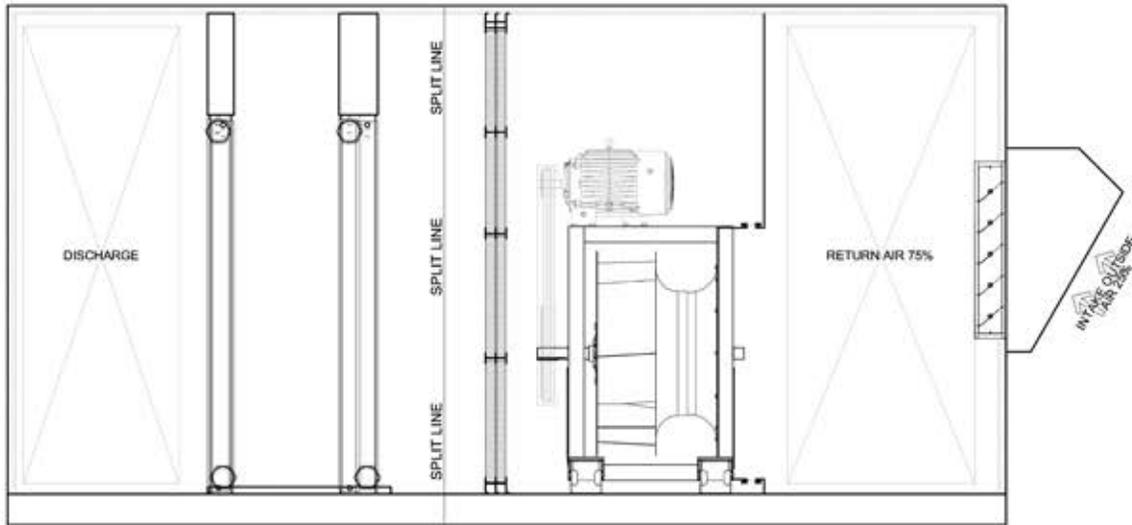


- ° Energy Recovery
- ° Size range from 6,000 to 200,000 CFM
- ° 16 or 18 gauge double wall construction 1" - 4"
- ° Structural steel base
- ° AMCA certified fans
- ° Chilled water, hot water, steam or DX coil.



### The Custom Air Handling Solution

Barnhart Taylor developed the Custom-Air line to meet the ever-increasing demand for custom air handling units. These heavy-duty welded frame units are available from 6,000 to over 200,000 CFM.

They can be configured to meet almost any cooling or heating need from chilled water, DX to steam or gas heating.

#### Desing Options:

- Cabinets selected to 3" increments
- Single, dual or triple fan sets
- Leak test available to 1% at 8" static pressure
- Filtration - all options
- Pitched roofs
- Galvanized, Stainless Steel or Aluminum construction
- Forward curve, Air Foil or Backward inclined wheels
- Plenum fans
- Single point power
- Energy recovery (Wheels, run around coils, core plates)

### Applications

Barnhart Taylor custom air handling units are well suited for the following applications

- Airports
- Call centers
- Convention centers
- Casinos
- Offices
- Clean rooms
- Schools
- Factories
- Theaters
- Hospitals
- Kitchens
- Prisions
- Process cooling

### Standard Features

#### Cabinet:

- 18 ga single skin cabinet
- Pre-painted G-90 galvanized cabinet finish
- G-90 galvanized base frame
- Double-wall hinged access doors for fan and evaporative media access
- Fan door mechanical safety locks
- Fully weatherproof
- 4" double drainable weather louver with bird screen
- 2" double wall construction

#### Fans & Motors:

- Forward curved DWDI blowers
- All fans can be ordered for up, down, or horizontal discharge
- Heavy duty L-50 200,000 hour bearings
- Fans, belts & pulleys - fully installed, aligned and tensioned
- 460v/3ph/60Hz 1-speed premium efficiency motors
- Adjustable motor slide base
- 1" deflection spring anti-vibration mounts with seismic restraints
- Flexible connector at fan discharges

#### Electrical:

- Pre-wired motors and pumps to a single external junction box
- Electrical panel

### Optional Features

#### Cabinet:

- 16 ga single skin casing
- G-90 galv steel cabinet finish
- Powder coated cabinet finish
- Aluminum cabinet
- #304 Stainless steel cabinet
- #304 Stainless steel base frame
- Fiberglass wal construction
  - 3.0# insulation

#### Fans & Motors:

- B.I. flat bladed DWDI blower
- Airfoil bladed DWDI blower
- TEFC motors
- 2-speed (std. efficiency) motors
- Extended fan bearing lubrication lines
- Fan belt guards
- 2" deflection spring anti-vibration mounts with seismic restraints
- Fan wall Array with EC Motors

#### Filters:

- 2" throwaway panel filters
- 2" Aluminum washable filters
- 2" Galvanized washable filters
- 2" Stainless steel washable filters
- Filter pressure differential gauge
- Filter pressure differential switch

#### Electrical:

- Single point power connection complete with motor starters, transformers & disconnect
- Internal lights with weatherproof switch
- GFI receptacle
- Fan door safety disconnect switches
- Automatic flush kit with timer
- Automatic drain-down with timer
- Automatic drain-down & freeze protection with timer
- UL1995 Heating & Cooling Equip.

### Project Details:

Customer:

Contact:

Phone:

Project:

Location:

Elevation: ft

Model#

Tag: Qty.

CFM ESP HP

Power Supply v/ ph/ Hz

Cooling capacity

Heating Capacity

### Special Construcion Notes:

#### Roof Curb Options:

- Minimun Heigth "
- Pitch along lenght "per ft
- Pitch along widht "per ft
- Insulation
- Density:  1.5"  3#
- Finish:  Coated  Uncoated
- Built-up
- Knocked-down