
HCA

High Efficiency Horizontal AHU

Spec Air Handling Product

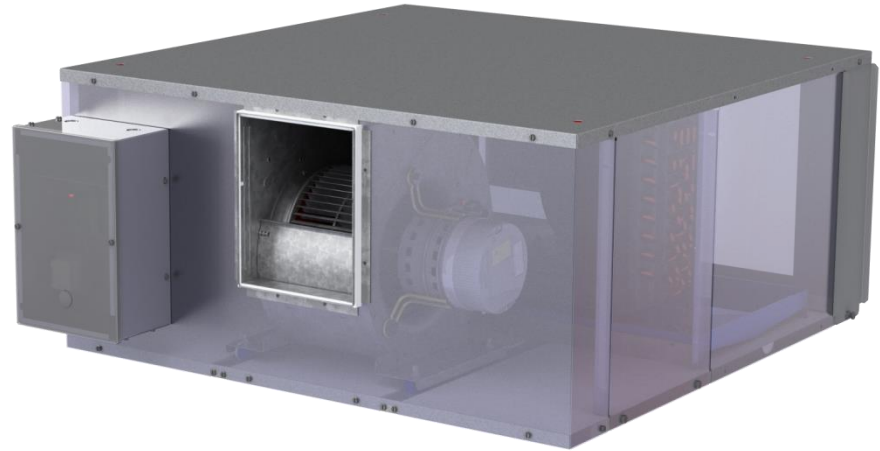
HCA Features

- Size:
 - 400 – 2000 CFM
- Max allowable rows = 10
- Cooling Coils:
 - 4 & 6 row CW
 - DX (R-22 and R-410A)
 - Single and Dual circuit
 - Std and High Capacity
- Heating Coils:
 - 1 – 6 row HW
 - Steam, Std and High Capacity
- Phenolic Coated or Stainless Steel Coil options
- Single phase unit voltage
- ECM-Premium Motor:
 - Standard and high static
- Filters:
 - 2" throw away (MERV 3)
 - 2" Pleated (MERV 8)
 - 4" (MERV 13)
 - Field change from 2" to 4"
- Controls:
 - Fully variable speed - 0-10VDC fan signal
 - Use with BAS or smart t-stat
 - 4 fixed speeds – adjustable
 - Use with BAS or std t-stat
 - Condensate overflow switch
 - Non-fused disconnect

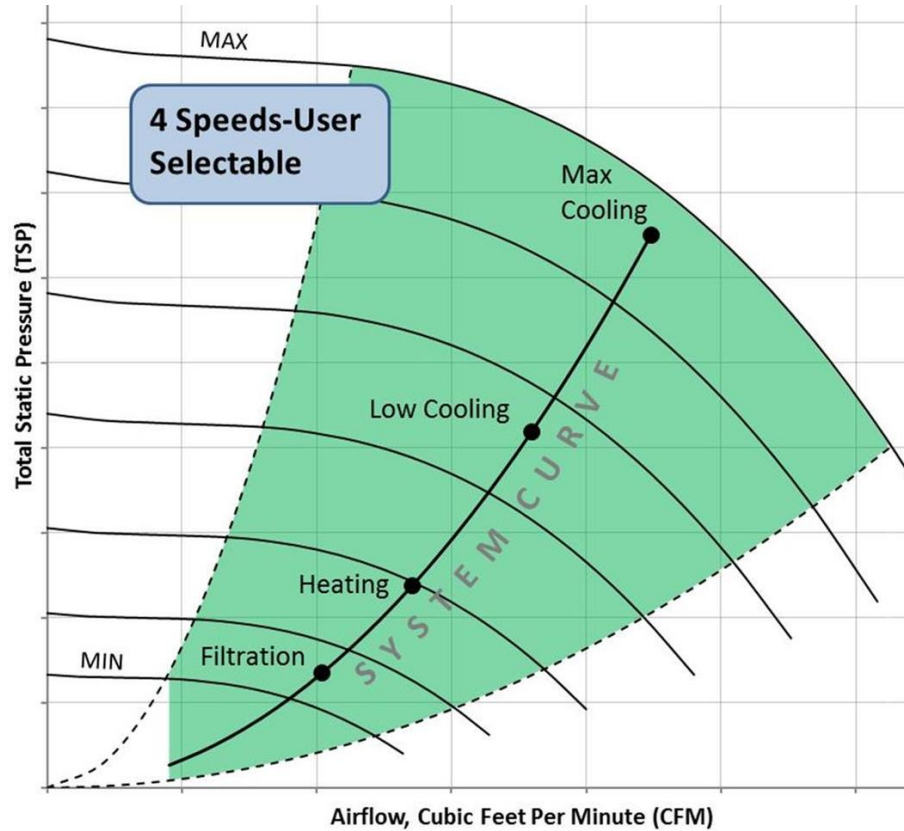


HCA Features, cont'd

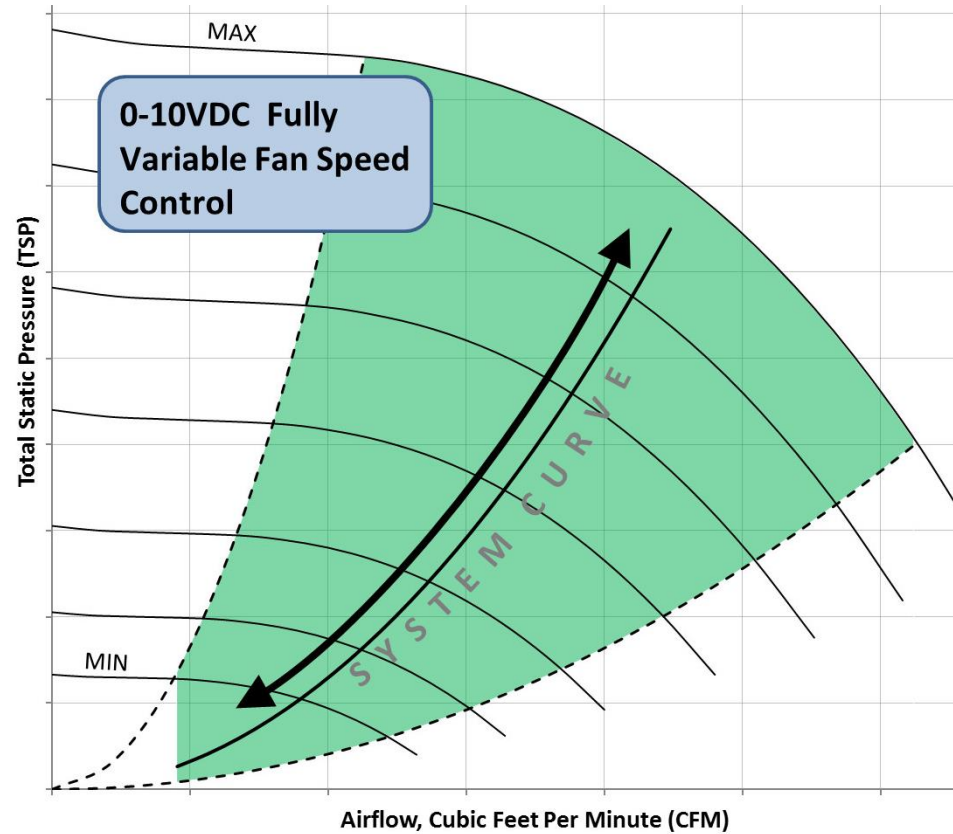
- Insulation:
 - $\frac{3}{4}$ " Foil Faced Closed Cell (FFCC)
 - 1" IAQ (Micromat) Fiberglass
 - Double Wall
 - Galvanized Steel
 - IAQ Coated liner panels
- Drain pan:
 - Stainless Steel
- Applications:
 - Belt drive replacement
 - Commercial and institutional
 - Healthcare and assisted living
 - High-end residential
 - Manufacturing
 - Competes directly vs. leading ECM AHU
 - Single-zone VAV or constant volume



HCA Control Options



- On-board control
- Use with 1-speed to 4-speed thermostat
- 4 taps for max ESP range



- Ready for variable speed signal
- Use with smart thermostat with 0-10VDC fan speed output (or DDC controller)

HCA Competitive Comparison

Feature	Magic Aire HCA	Trane BCHD
Cabinet Size 40	Y	N
Size 30: 3000cfm at 0.5 ESP	Y	N
Powder Coated Exterior	Y	N
1" IAQ Fiberglass Insulation	Y	Y
Double Wall	Y	N
coated liners	Y	N
3/4" Foil Faced Closed Cell	Y	N
2" MERV 3 Filter	Y	N
2" MERV 8 Filter	Y	Y
4" MERV 13 Filter	Y	N
2" - 4" Convertible Filter Rack	Y	N
*Coming Soon		

HCA Future Offerings

- Field installed electric heat (shown)
- Increased cabinet options:
 - 3000 and 4000 CFM cabinet
- Low leak mixing box
- 460V/3PH (no electric heat)

