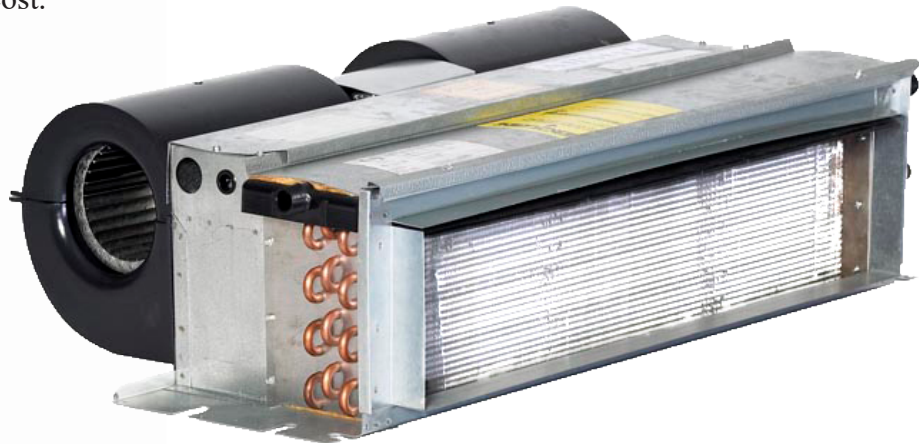




HFD/HFC Ceiling Mounted Air Handler

The HFD/HFC Series is designed for fully concealed installation in a furred-down ceiling space. This is a compact dual blower type fan coil unit requiring a sealed return air space. The series is engineered to be user friendly and only 10.25" high. The drain pan, coil, metering device, blower motor assembly, heater and electrical components are easily accessible and removable for service saving time, and expensive service labor cost.



Features:

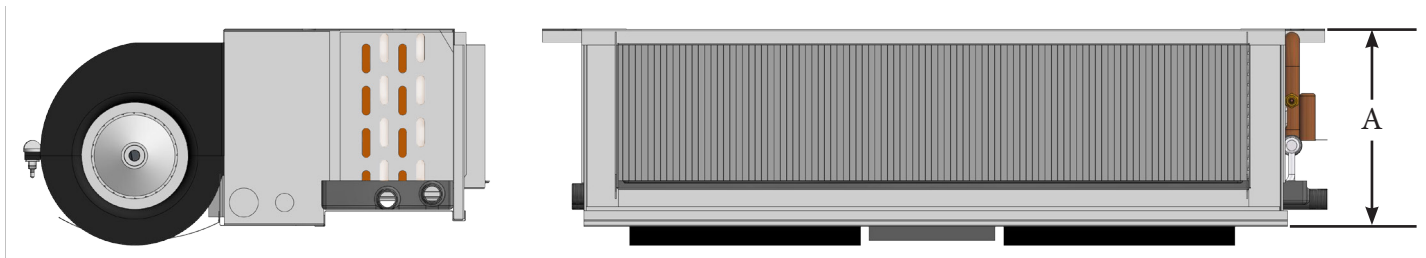
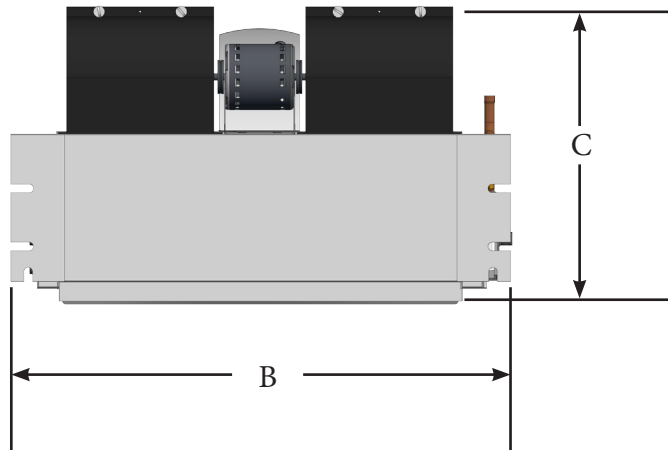
- Easy access to electrical components
- Polymer drain pan with 3/4" MPT Primary and Secondary
- 120V, 2 Speed Motor, 24V Transformer and Controls
- Line Voltage Terminal block
- Copper (T/E) Tubing / or Aluminum
- High efficiency aluminum end plates and ins
- Piton-type metering device, bolt on or Factory-installed TXV
- A1/A2L Compliant

WARNING

Warranty will be voided if any chemical cleaning products are used on any AllStyle coils. AllStyle suggests water and a soft, bristled brush.



Intertek



| Cabinet Dimensions | | | |
|--------------------|--------------------|-------------------|-------------------|
| Model Number | Cabinet Height - A | Cabinet Width - B | Cabinet Depth - C |
| HF* 18 - 24 | 10.00" | 37.25" | 20.50" |
| HF* 18 - 30 | 10.00" | 43.25" | 20.50" |
| HF* 18 - 36 | 10.00" | 49.25" | 20.50" |

| Blower Performance | | | | |
|--------------------|-------|--------------------------|------|------|
| Model | Speed | External Static Pressure | | |
| | | .10 | .20 | .30 |
| HFD 12-18 | LOW | 580 | 510 | 440 |
| | HIGH | 675 | 605 | 525 |
| HFD 24 | LOW | 655 | 585 | 510 |
| | HIGH | 800 | 740 | 665 |
| HFD 30 | LOW | 800 | 720 | 640 |
| | HIGH | 990 | 950 | 855 |
| HFD 36 | LOW | 1125 | 1015 | 905 |
| | HIGH | 1220 | 1130 | 1015 |
| HFD 37 | LOW | 1240 | 1125 | 1015 |
| | HIGH | 1335 | 1265 | 1145 |

| Electrical Specifications @115V | | | | |
|---------------------------------|-----------|------|-----|-----|
| Model | Blower HP | AMP | MCA | MOP |
| HFD 12 | 1/8 | 1.65 | 2.1 | 15 |
| HFD 18 | 1/2 | 2.9 | 3.7 | 15 |
| HFD 24 | 1/3 | 3.3 | 4.2 | 15 |
| HFD 30 | 1/3 | 3.3 | 4.2 | 15 |
| HFD 36 | 1/2 | 5.7 | 7.2 | 15 |

HFD

Ceiling Mounted Air Handler

Heating Performance

| Performance | | | | | | |
|--------------|------|------|--|-------|-------|-------|
| Model | Rows | CFM | Heating Performance | | | |
| | | | Heat MBTUH based on 3 GOM 70°F RA Temp | | | |
| | | | 120°F | 140°F | 160°F | 180°F |
| HFD 12/18 | 1 | 400 | 6.9 | 9.7 | 12.5 | 15.4 |
| | | 600 | 8.1 | 11.4 | 14.7 | 18.0 |
| | 2 | 400 | 11.5 | 16.1 | 20.8 | 25.4 |
| | | 600 | 13.9 | 19.5 | 25.2 | 30.9 |
| | 3 | 400 | 14.0 | 19.8 | 25.5 | 31.2 |
| | | 600 | 17.4 | 24.5 | 31.6 | 39.7 |
| | 4 | 400 | 15.7 | 22.1 | 28.5 | 34.9 |
| | | 600 | 19.8 | 27.9 | 36.0 | 44.1 |
| HFD 24 | 1 | 600 | 8.9 | 12.5 | 16.2 | 19.9 |
| | | 800 | 10.0 | 14.1 | 18.2 | 22.3 |
| | 2 | 600 | 15.0 | 21.1 | 27.2 | 33.3 |
| | | 800 | 17.1 | 24.1 | 31.0 | 38.0 |
| | 3 | 600 | 18.6 | 26.1 | 33.7 | 41.2 |
| | | 800 | 21.4 | 30.1 | 38.9 | 47.6 |
| | 4 | 600 | 20.9 | 29.4 | 37.9 | 46.5 |
| | | 800 | 24.3 | 34.2 | 44.2 | 54.1 |
| HFD 30 | 1 | 800 | 10.9 | 15.3 | 19.7 | 24.2 |
| | | 1000 | 11.8 | 16.7 | 21.5 | 26.4 |
| | 2 | 800 | 18.3 | 25.7 | 33.1 | 40.6 |
| | | 1000 | 20.1 | 28.3 | 36.5 | 44.7 |
| | 3 | 800 | 22.6 | 31.8 | 41.0 | 50.2 |
| | | 1000 | 25.1 | 35.3 | 45.4 | 55.7 |
| | 4 | 800 | 25.5 | 35.9 | 46.3 | 56.7 |
| | | 1000 | 28.4 | 40.0 | 51.5 | 63.1 |
| HFD 36 | 1 | 1000 | 12.7 | 17.9 | 23.1 | 28.3 |
| | | 1200 | 13.6 | 19.2 | 24.8 | 30.4 |
| | 2 | 1000 | 21.3 | 30.0 | 38.6 | 47.3 |
| | | 1200 | 23.0 | 32.3 | 41.6 | 51.0 |
| | 3 | 1000 | 26.3 | 36.9 | 47.6 | 58.3 |
| | | 1200 | 28.4 | 40.0 | 51.5 | 61.1 |
| | 4 | 1000 | 29.6 | 41.6 | 53.6 | 65.6 |
| | | 1200 | 32.1 | 45.1 | 58.2 | 71.3 |



HFD Housing

HFC Ceiling Mounted Air Handler Cooling Performance



| Model | CFM | Cooling Performance | | | | | |
|-------|------|--|-----------|--|--|-----------|--|
| | | Copper | | | Aluminum | | |
| | | Total Capacity/Sensible Capacity (MBTUH) | | Total Capacity/Sensible Capacity (MBTUH) | Total Capacity/Sensible Capacity (MBTUH) | | Total Capacity/Sensible Capacity (MBTUH) |
| | 40°F | 45°F | 50°F | 40°F | 45°F | 50°F | |
| 30840 | 600 | 26.7/17.0 | 21.3/14.4 | 14.1/11.3 | 26.5/16.9 | 21.5/14.5 | 15.5/12.0 |
| 30842 | 600 | 28.0/17.8 | 22.4/15.2 | 15.1/12.2 | 28.3/18.1 | 22.4/15.2 | 15.4/12.2 |
| 30834 | 800 | 28.6/18.7 | 24.0/16.7 | 17.9/14.2 | 28.3/18.6 | 23.3/16.5 | 17.9/14.2 |
| 30840 | 800 | 31.6/20.4 | 26.5/18.1 | 18.5/14.8 | 31.4/20.4 | 25.9/17.9 | 19.6/15.2 |
| 30842 | 800 | 34.5/22.3 | 27.4/18.9 | 19.8/15.7 | 33.9/22.1 | 28.2/19.5 | 20.8/16.1 |
| 30850 | 800 | 35.2/22.6 | 28.5/19.4 | 20.9/16.2 | 35.1/22.8 | 28.4/19.5 | 21.4/16.3 |
| 36840 | 800 | 34.7/22.5 | 28.8/19.8 | 21.9/17.0 | 34.0/22.2 | 28.4/19.7 | 22.2/17.1 |
| 36834 | 1000 | 33.8/22.5 | 28.7/20.3 | 22.2/17.5 | 32.7/22.0 | 28.2/20.1 | 22.1/17.6 |
| 36840 | 1000 | 38.6/25.1 | 32.0/22.1 | 24.4/18.9 | 37.8/24.7 | 31.6/21.9 | 24.7/19.1 |
| 36850 | 1000 | 43.2/28.0 | 34.9/24.0 | 26.7/20.3 | 41.6/27.3 | 34.9/24.2 | 26.5/20.3 |
| 42840 | 1000 | 43.3/28.2 | 35.8/25.0 | 27.6/21.0 | 41.7/27.5 | 35.0/24.5 | 27.3/21.3 |
| 42834 | 1150 | 38.4/25.7 | 32.2/22.9 | 25.9/20.5 | 35.7/24.5 | 31.0/22.6 | 24.7/20.0 |
| 42840 | 1150 | 43.4/28.4 | 36.9/25.6 | 28.5/21.9 | 41.8/27.7 | 35.3/24.9 | 27.9/21.8 |
| 42850 | 1150 | 48.1/31.6 | 40.0/27.7 | 30.4/23.2 | 45.3/30.4 | 38.9/27.6 | 30.3/23.5 |

