

The Features You Require

The HHA product line offers a wide variety of configuration options.

Choose from R410A, Chilled Water, Hot Water, or Steam to create the cooling/heating package your job requires.

Two inch double wall construction with double sloped drain pans contribute to improved IAQ results. Select the optional anti-microbial coating on the inner liner and UV lights to further enhance system cleanliness.

Highlighted Specifications

Product Tested in accordance with:
AHRI 410: Coil Capacity – Hydronic
AHRI 210: Coil Capacity – DX
AHRI 430: Airflow performance

Highlighted Features and Options

- 2 inch double wall construction
- Exterior Baked on, Textured, Powder Coat finish
- Two Stage Pre-Filter: Pleated – 2 inch MERV 8 and 4 inch MERV 13
- Optional Final Filter:
 - HEPA, Pleated, 12 inch, Class Type A, 99.975% , 0.3 micron
 - MERV 14, Pleated, 12 inch
- Up to 12 rows of DX, Hydronic or Steam Cooling/Heating
- Slide Out Coil for ease of service
- Motor Control via keypad, DDC fan signal input, or constant airflow option
- Isolated Motor Sled
- Backward curved, finely balanced, plenum fan with durable finish
- Dual Side Service Access Doors with quarter turn latches provide access to all filters, motor, and coils.

Promises Made, Promises Kept

Magic Aire's world class customer support and operations delivers on time every time, with 99.8% on time delivery since 2009. You have enough to worry about. Allow us to take care of this for you.



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It Only Feels Like Magic!!

To learn more about Magic Aire air handlers and to download our literature and software, please visit our website or contact your local sales representative.

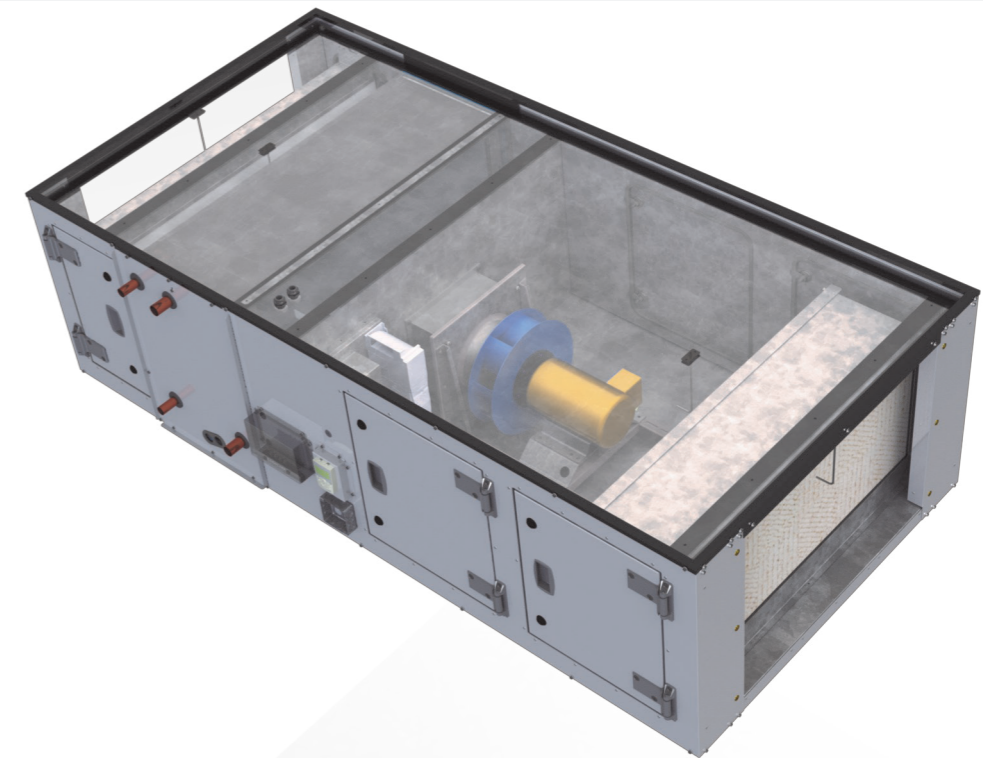
Critical Environment Air Handling Unit



HHA

When so much depends on your equipment.

Magic Aire manufactures the HHA product in Wichita Falls, TX. Our facility is registered both ISO 9000 and ISO 14001, achieving international recognition for quality processes and environmental responsibility. See website for certification dates.



Magic Aire is a member of AHRI and participates in the organization's voluntary performance verification programs.



Solutions For a Cleaner Environment

It is easier than ever to integrate HEPA level HVAC into your environment. Magic Aire's HHA high static, high filtration air handling unit provides multiple options for comfort conditioning and the ability to deliver HEPA quality air.

Precise Load Matching

With integral Variable Frequency Drive technology (VFD) you can match your load and save more energy! Factory standard VFD allows building control system's DDC signal to control fan speed with up to 60% turn down potential. Allows optimization of system for humidity control and occupant comfort while minimizing sound levels.



HEPA & MERV 14 Level Applications

- Ambulatory Surgical
- Patient isolation rooms
- Assisted living community rooms
- Pharmaceutical and Bio-med clean rooms and labs
- Dialysis and MRI Suites
- Bone Marrow Transplant
- Cancer Treatment Center
- Veterinary
- DOD, DOE sites
- Photo Film manufacturing/ Processing
- Electronics

MERV 13 Level Applications

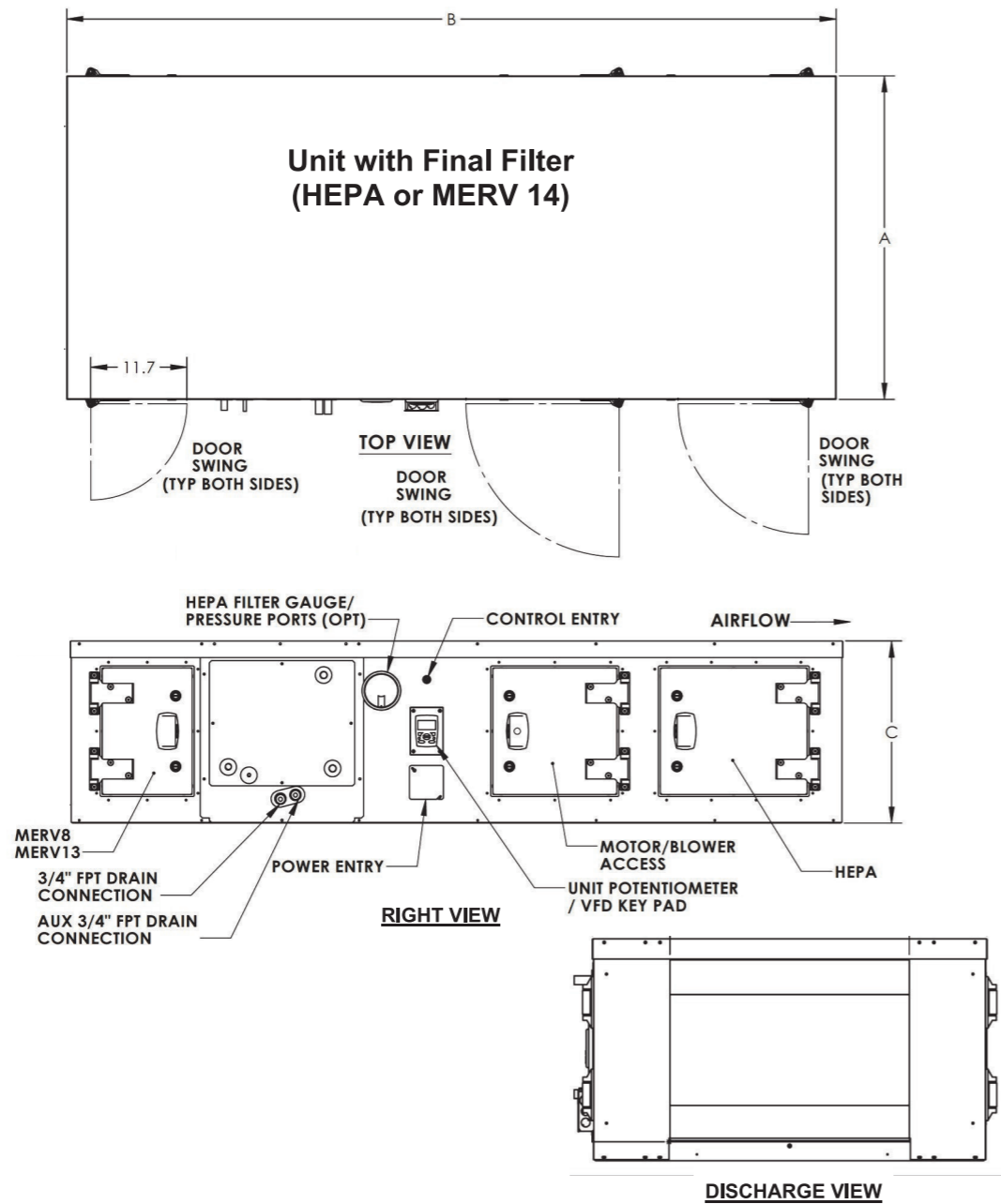
- Schools
- Assisted living quarters
- Prototyping rooms and labs
- High End Residential

MERV 8 Level Applications

- Office build-outs, longer, narrower ducts, higher TEL values
- Handle components with added pressure drops
- Applications requiring wide airflow range

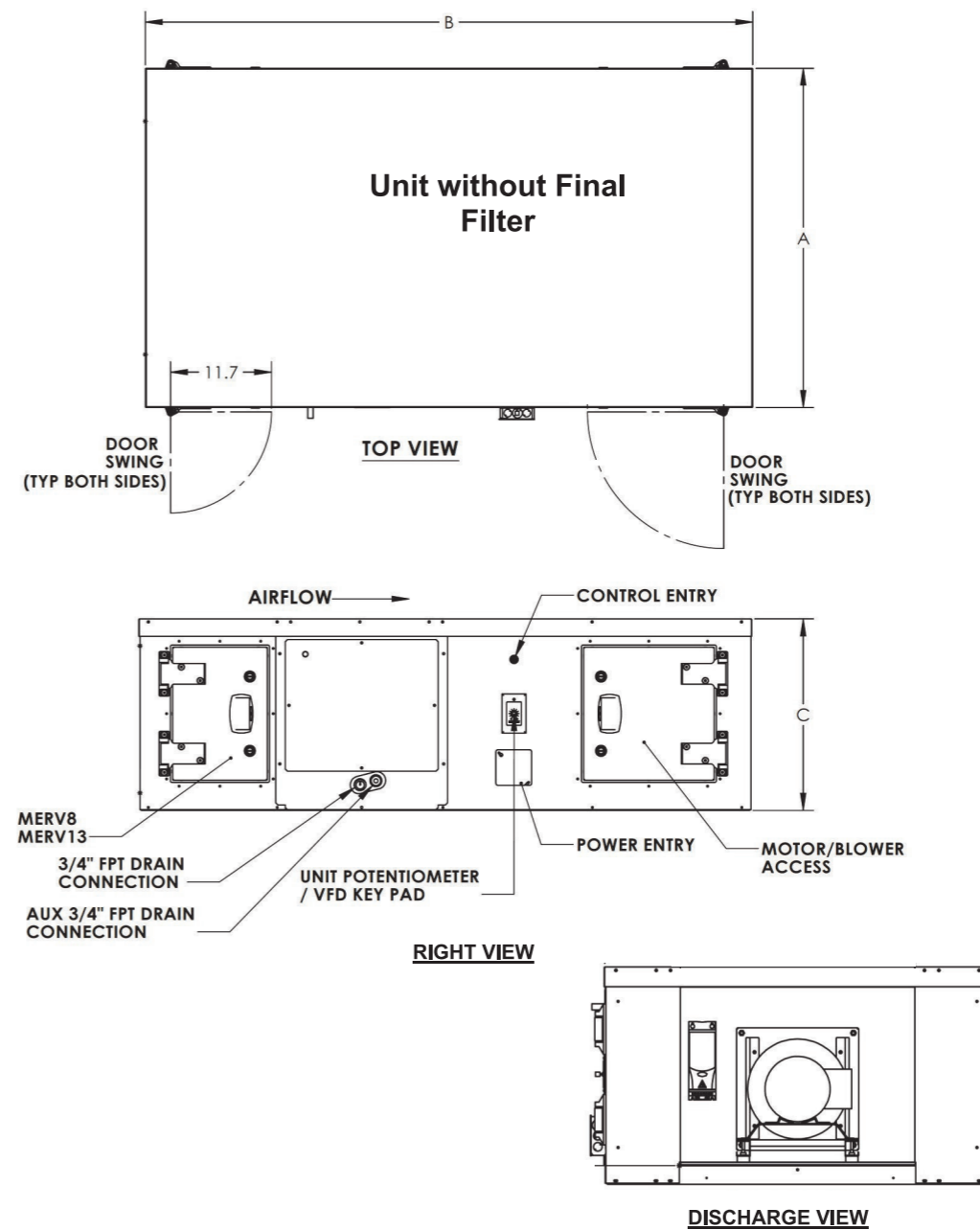
Energy Saving Technologies

- High Efficiency NEMA 3 Phase Motors (OPSB)
- Variable Frequency Drives
- Low Pressure Drop Filters



Product Line Capacity Range - reference software for published values

| Model | Nominal | Min Conditions CFM / TSP | Max Conditions CFM / TSP |
|-------|---------|--------------------------|--------------------------|
| HHA04 | 400 | 300 / 6.0 | 500 / 5.5 |
| HHA06 | 600 | 300 / 6.0 | 750 / 5.0 |
| HHA08 | 800 | 300 / 6.0 | 1000 / 3.8 |
| HHA12 | 1200 | 300 / 5.5 | 1200 / 2.7 |
| HHA16 | 1600 | 1200 / 7.0 | 2000 / 6.8 |
| HHA20 | 2000 | 1200 / 7.0 | 2500 / 4.0 |
| HHA25 | 2500 | 1200 / 6.0 | 3000 / 3.8 |
| HHA30 | 3000 | 1500 / 5.0 | 3750 / 4.0 |
| HHA40 | 4000 | 1500 / 5.0 | 5000 / 4.0 |



Product Line— Overall Dimensions (inches)

| Model | Length-no HEPA ("B") | Length w/ HEPA ("B") | Width ("A") | Height ("C") |
|-------|----------------------|----------------------|-------------|--------------|
| HHA04 | 70.4 | 93.4 | 33.2 | 22 |
| HHA06 | 70.4 | 93.4 | 33.2 | 22 |
| HHA08 | 70.4 | 93.4 | 39.2 | 22 |
| HHA12 | 70.4 | 93.4 | 39.2 | 22 |
| HHA16 | 74.4 | 97.5 | 48.2 | 28 |
| HHA20 | 74.4 | 97.5 | 48.2 | 28 |
| HHA25 | 74.4 | 97.5 | 48.2 | 28 |
| HHA30 | 87.0 | 104.5 | 63.4 | 38 |
| HHA40 | 87.0 | 104.5 | 63.4 | 38 |

Space Saving Design

- Integrated, multi-function units
- Direct drive power train
- Backward Curved Plenum Fan
- Unitized construction

Indoor Air Quality

- Anti-microbial treatment
- Double sloped drain pan
- UV Light in Coil Section
- High Particulate Level Filtration; MERV 13, MERV 14 and HEPA 99.97%
- Class 1 air filters according to UL Standard 900 and CAN 4-S111 and classified according to UL Standard 586

Product Certification

The entire line of Magic Aire HHA models is ETL listed to US and Canadian Safety Standards, (ANSI/UL 1995) and certified under the AHRI 430 program for Central Station Air Handlers.

