

General Information

Excess humidity levels generated by some industrial processes or exposed water surfaces can cause damage to building structures and equipment, and may even create health concerns. The E-Tech AhD dehumidifier can solve most humidity problems by efficiently cooling the air below the dew-point temperature and then reheating the air back to the desired space dry bulb temperature. The effect of this is to greatly reduce the moisture content and relative humidity of the air without overcooling the space.

Specific applications include:

- Natatoriums
- Fitness centers
- Gymnasiums
- Food storage areas
- Production clean rooms and dry rooms
- Industrial operations requiring a controlled environment
- Any indoor facility having mold or mildew problems due to excess air moisture content

General Specifications

- Total Cooling Capacity: 41,600 BTUH
- Air Reheating Capacity: 40,000 BTUH
- Moisture Removal Capacity *: 15 lbs/hr
- Air Volume
@0.35 in. W.G. ESP 1500 CFM

Options

- Economizer Module
- Remote Air Cooled Condenser Ready
- Water Cooled Condenser (Built-In)
- Supplemental External Static Pressure (ESP) - (over 0.35 in. W.G. ESP)

Standard Features

- Painted Aluminum Cabinet
- Blygold Coated Air Coils for Corrosion resistance
- Scroll Compressor
- Coated Blower for Corrosion Protection
- Stainless Steel Drain Pan
- Refrigerant: R-22

Optional Accessories

- Remote Air Cooled Condenser
- Thermostat and Humidistat

*at EAT (Entering Air Temperature) 82°F and 60% RH

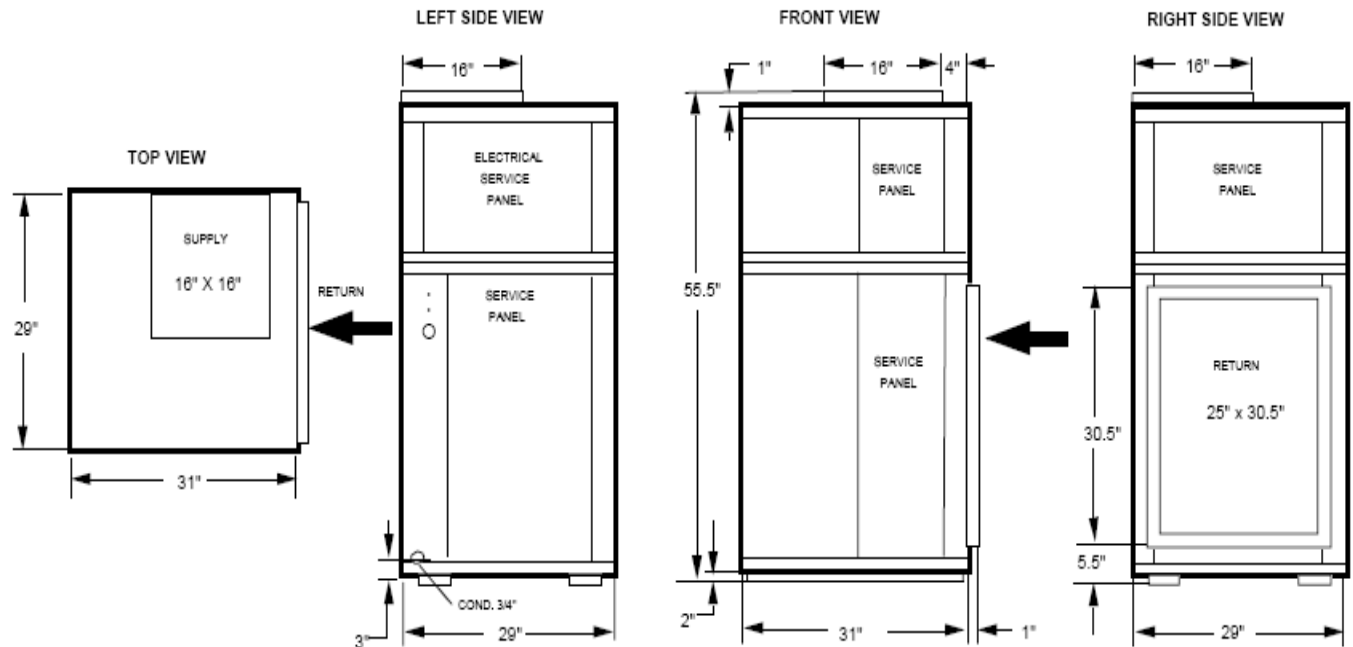
Electrical Characteristics

| Model | Compressor | | | | | Blower | | | | | MCA | MFS |
|-----------|------------|----|----|------|-----|---------|----|----|-----|-----|-----|-----|
| | Volts | Hz | Ph | RLA | LRA | Volts | Hz | Ph | HP | FLA | | |
| AhD-50 SA | 208/230 | 60 | 1 | 20.4 | 109 | 208/230 | 60 | 1 | 3/4 | 5.3 | 29 | 45 |

MCA = Minimum Circuit Ampacity MFS = Maximum Fuse

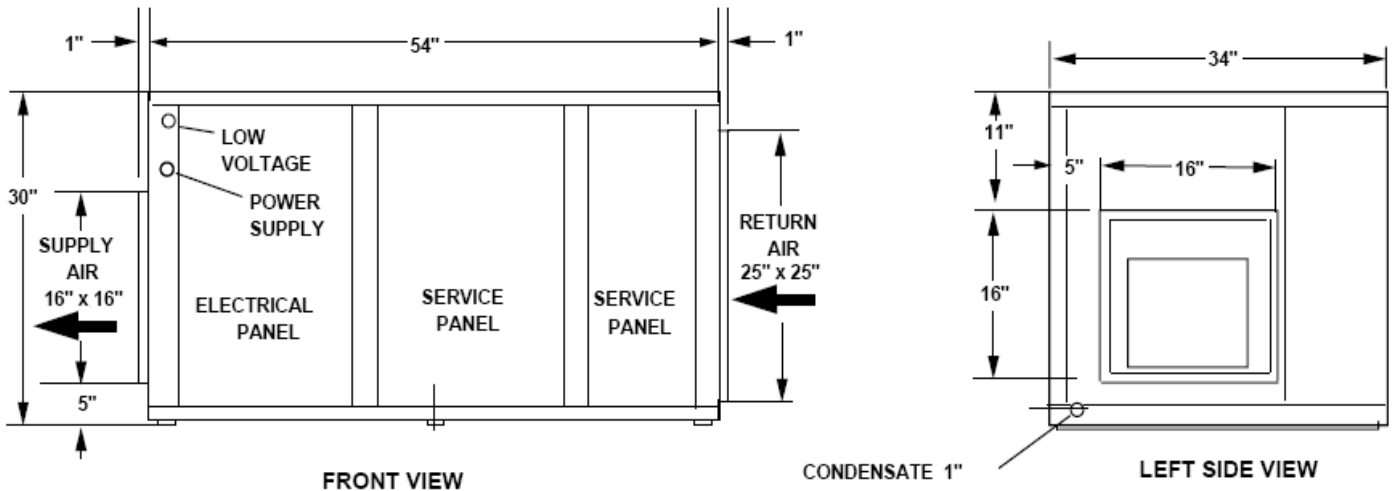
(Dimensional Data on Reverse)

AhD-50 S Dimensional Data - Vertical Configuration



Note: Air heating dehumidifiers do not have water heating connections.

AhD-50 S Dimensional Data - Horizontal Configuration



Ship Weight: 525 Lbs.

As part of the Applied Energy Recovery Systems, Inc. continuous improvement program, specifications subject to change without notice.