

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

General Specification

- Total Cooling Capacity: 142,000 BTUH
- Air Reheating Capacity: 96,000 BTUH
- Moisture Removal Capacity *: 56 lbs/hr
- Air Volume @ 0.50 in. W.G. ESP 4800 CFM

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
- Horizontal Configuration

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

Options

- Economizer Module
- Remote Air Cooled Condenser Ready
- Water Cooled Condenser (Built-In)
- Supplemental External Static Pressure (ESP) - (over 0.50 in. W.G. ESP)
- Roof Top Configuration

Optional Accessories

- Remote Air Cooled Condenser
- Thermostat and Humidistat

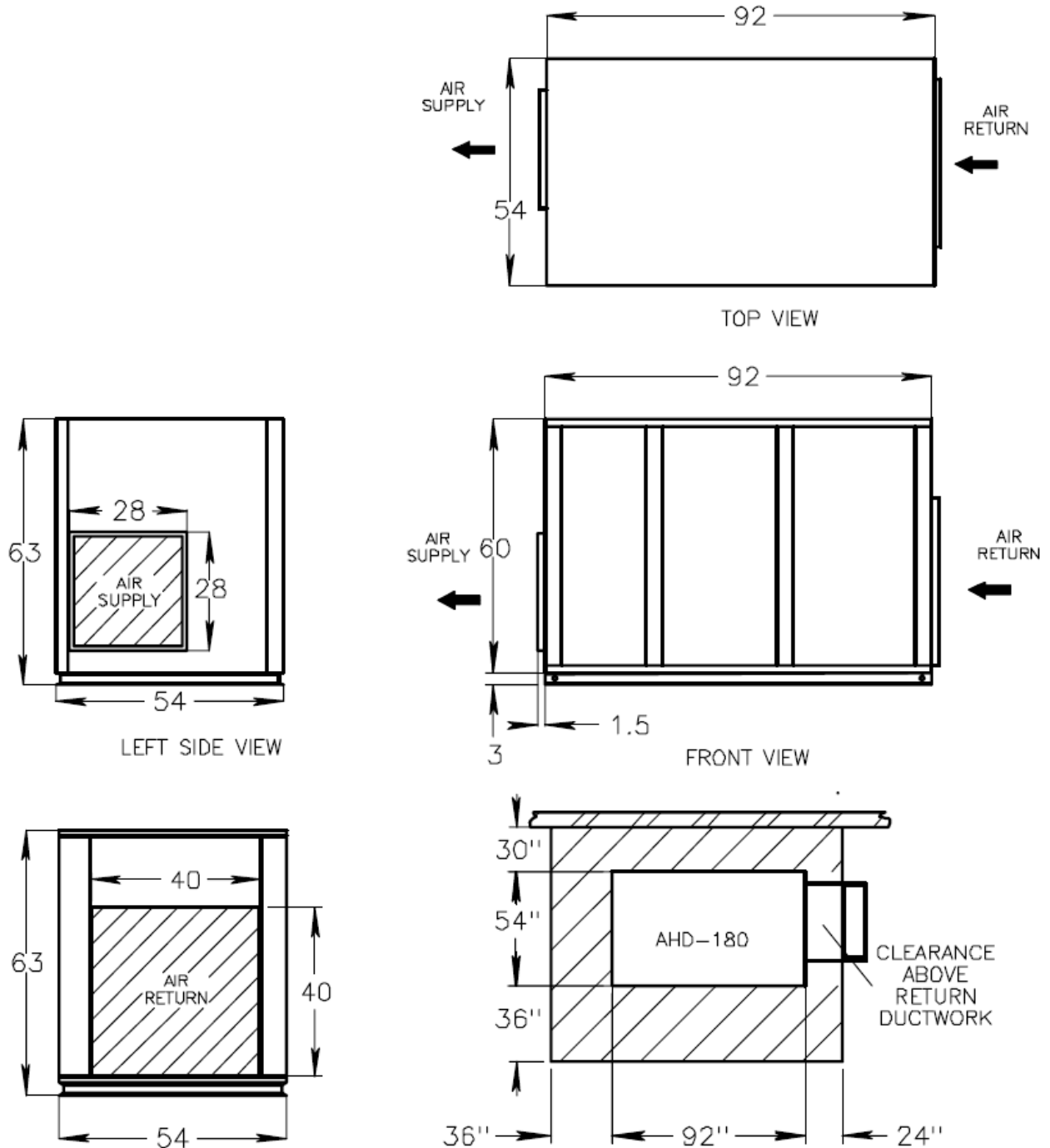
Electrical Characteristics

Model	Compressor					Blower					MCA	MFS
	Volts	Hz	Ph	RLA	LRA	Volts	Hz	Ph	HP	FLA		
AhD-180 SC	208/230	60	3	47.1	350	208/230	60	3	5	14.0	66	100
AhD-180 SD	460	60	3	25	158	460	60	3	5	6.5	34	50

MCA = Minimum Circuit Ampacity MFS = Maximum Fuse Size

(Dimensional Data on Reverse)

AhD-180S Dimensional Data - Horizontal Configuration



Ship Weight: 1280 Lbs.

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