

General Information

E•Tech water heaters are designed to heat potable water at a savings compared to conventional gas and electric water heaters. The E•Tech water heater extracts heat from the ambient air, upgrades the heat with a compressor and refrigerant system, and transfers the heat into potable water. Approximately three times as much energy is transferred into the water than is used to operate the heat pump.



General Specifications

- Water Heating Capacity*: 280,000 BTUH
- Air Cooling Capacity*: 216,000 BTUH
- Air Volume: 4750 CFM
- COP*: 3.3
- Final Tank Temperature: 140°F
- Design Water Flow Rate: 56 GPM

Standard Features

- Scroll Compressors (2)
- Blygold Evaporated Coated Air Coils for Corrosion Resistance
- Propeller (Axial) Fans (2)
- Cabinet: Mill Finish Aluminum
- Double Wall Condenser for Potable Water
- High and Low Pressure Switches with Lockout Circuit
- Indicators -High and Low Pressure
- Refrigerant: R-134a

Options

- Single Wall Condenser
- Cupronickel Condenser
- White Painted Aluminum Cabinet
- Phenolic Coated Evaporator Coil
- Internal Water Pump Installed (Built-In)
- Remote Air Cooled Condenser Ready
- Power Indicators - Power On and Water Heating

Optional Accessories

- Deluxe Remote Annunciator Panel with Hour Meter, Separate Hi/Lo Pressure Lockout Lights, Power On Light, Water Heating
- Remote Air Cooled Condenser
- Aquastat: 24V, Capillary Bulb Type, Mounts on Tank
- Electrical Thermostat: ETC 1 Stage
- Aluminum Mesh Filter

*Rated at EWT (Entering Water Temperature) 100°F and EAT (Entering Air Temperature) 72°F WB

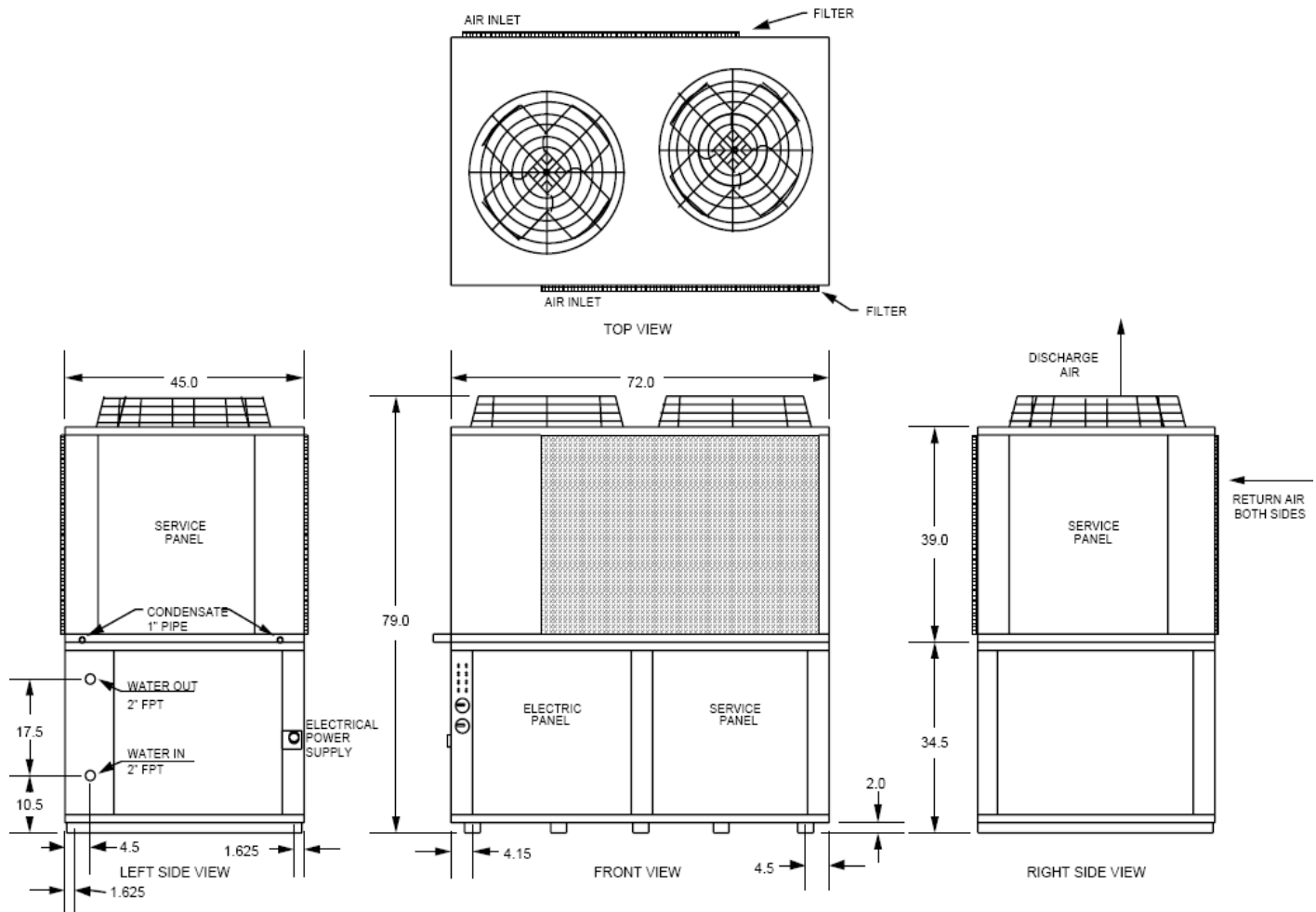
Electrical Characteristics

Model	Power Supply			Compressor (each)		Fan (each)		Pump		MCA	MFS
	Volts	Hz	Ph	RLA	LRA	HP	FLA	HP	FLA		
WH-280 HTC-F	208/230	60	3	48.9	350	0.75	4.6	-	-	104	150
WH-280 HTC-FP	208/230	60	3	48.9	350	0.75	4.6	2	7.5	108	150
WH-280 HTD-F	460	60	3	27.2	158	0.75	2.5	-	-	65	80
WH-280 HTD-FP	460	60	3	27.2	158	0.75	2.5	2	3.4	68	90

MCA= Minimum Circuit Ampacity MFS=Maximum Fuse

(Dimensional Data on reverse)

WH-280 Dimensional Data with fans



Note: Condensate Trap Required

Ship Weight: 2725 Lbs.

Cube: 153 Ft³

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