

WFI  
9000 Conservation Way  
Fort Wayne, IN 46809

# Versatec

## Large Vertical Water Source Heat Pump

**Submittal Data** **SD1175**

**Type:** VL & VX  
**Size:** 080, 095, 120

Purchaser's approval of this drawing signifies that the equipment is acceptable under the provisions of the job specifications.

Contractor: \_\_\_\_\_  
P.O. : \_\_\_\_\_  
Engineer: \_\_\_\_\_  
Project Name: \_\_\_\_\_  
Unit Tag: \_\_\_\_\_

### General Specifications

**Low Range Operation (VL)** – Designed to operate with entering water temperatures between 40° - 110°F.

**Extended Range Operation (VX)** – Designed to operate with entering water temperatures between 25° - 110°F. The coaxial heat exchanger and all water lines shall be fully insulated to prevent condensation from forming at low entering water temperatures.

**Cabinet** – Constructed of heavy gauge galvanized steel with a polyester powder coat finish. Unit shall have base supports to provide rigidity. The interior is lined with 1/2" thick, 1 1/2-lb. density fiberglass insulation. Multiple access panels on the front, back and sides. Painted galvanized steel condensate drain pan.

**Filter Rack** – Factory mounted, accepts 2" thick filters.

**Refrigerant Circuit** – Dual, sealed refrigerant circuits each including a compressor, thermal expansion valve, rifled tube copper with aluminum lanced fin air coil, reversing valve, water-to-refrigerant coaxial heat exchanger, high and low side access valves, and safety controls. Hermetically sealed compressor with overload protection and mounted on rubber isolators.

**Controls** – FX10 Advanced Control provides operational sequencing, high and low pressure switch monitoring, general lockout, freeze protection, condensate overflow sensing, lockout mode control, emergency shutdown mode, random start, and short cycle protection. Allows up to 6 AI, 12 DI, 9 DO relays. Terminal block for low voltage field wiring, and a 75VA low-voltage transformer. Various communication modules and expansion board available (optional).

**Blower and Motor Assembly** – Belt-driven, consists of a forward curved centrifugal wheel with galvanized housing, solid blower shaft, steel ball bearings, blower pulley, three phase blower motor, adjustable motor sheave, and an adjustable motor base.

**Piping** – 1.25" FPT copper fitting water lines. 0.75" FPT connection on condensate.

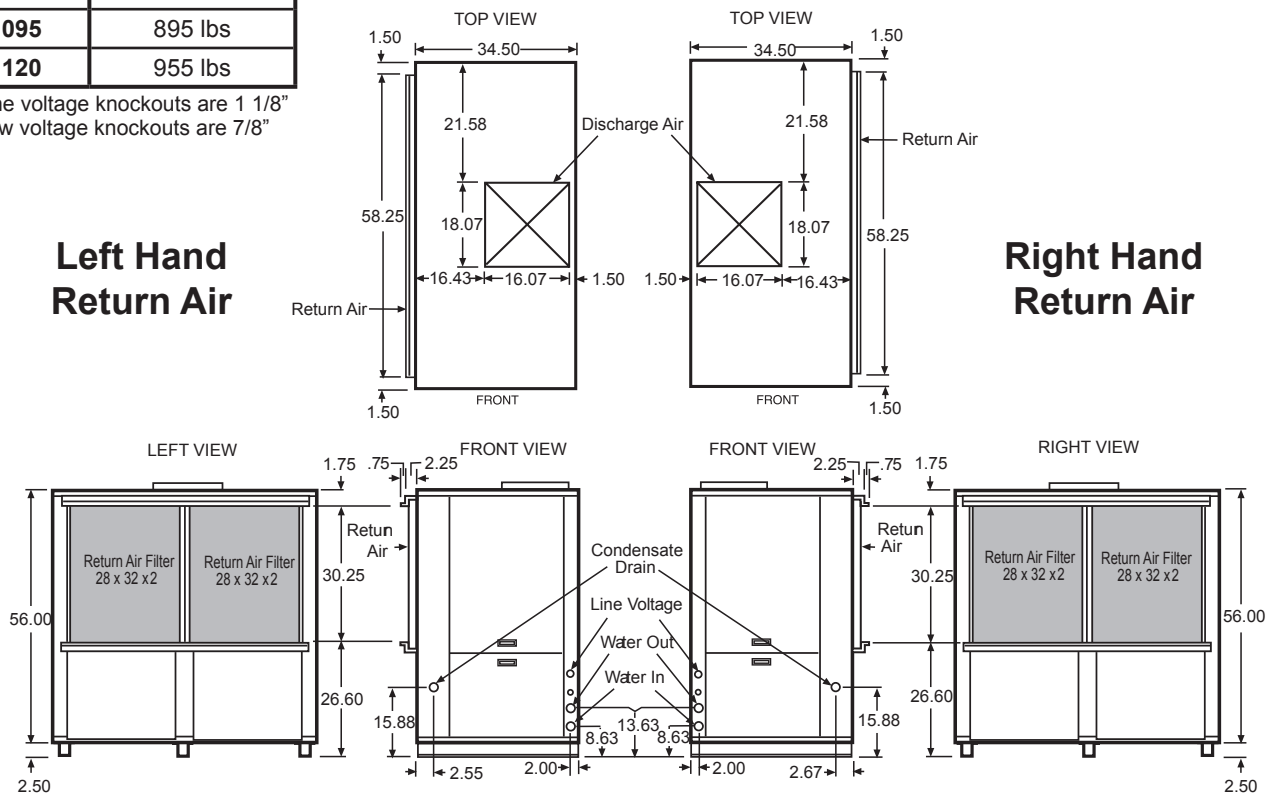
Unit Size	Operating Weight
080	845 lbs
095	895 lbs
120	955 lbs

- Line voltage knockouts are 1 1/8"
- Low voltage knockouts are 7/8"

### Dimensional Data

**Left Hand  
Return Air**

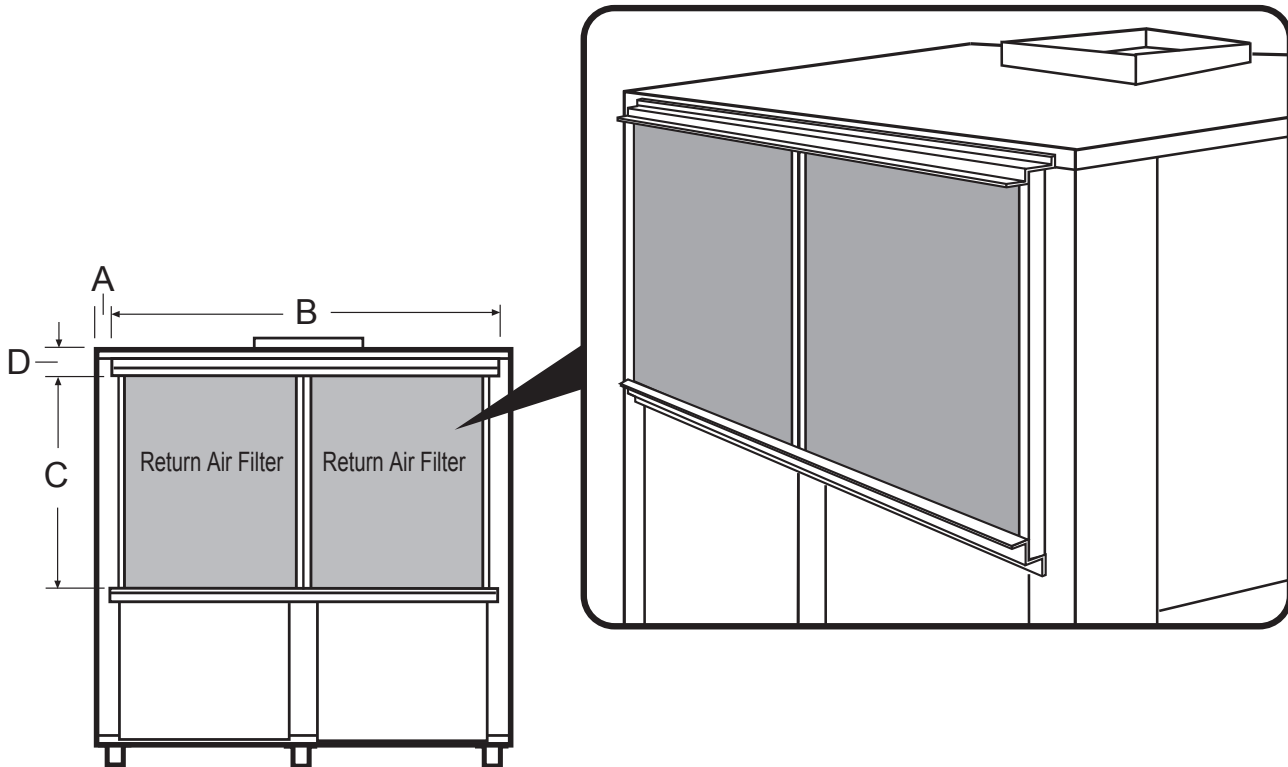
**Right Hand  
Return Air**



## Return Air Filter Rack

SIZE	A	B	C	D
080, 095, 120	1.50	58.25	30.25	1.75

Dimensions are in inches.



### Options (factory mounted):

- Extra quiet construction
- Cupronickel coaxial heat exchanger
- Durable powder coat painted cabinet

**Notes:** Vertical units are available in left or right air return configurations. Units should be mounted level on a vibration absorbing pad slightly larger than the base to provide isolation between the unit and the floor. It is not necessary to anchor the unit to the floor.