

Boilers On Demand LLC

Product Overview

PACKAGED DELTA-T ECM (OIL) HYDRONIC APPLIANCE



Refer to our Delta-T ECM System Planning & Installation Guide for details.

Configuration Listing

System	Nom. Output	Boiler	Circulator	Valves	Comments
DTO-100	100kbtuh	W/M UO-3	VT2218	Z100T2*	"00e Series"
DTO-125	125kbtuh	W/M UO-4	VT2218	Z100T2*	"00e Series"
DTO-150	150kbtuh	W/M UO-5	VT2218	Z100T2*	"00e Series"

*** or Z075T2 as required**

Construction Detail

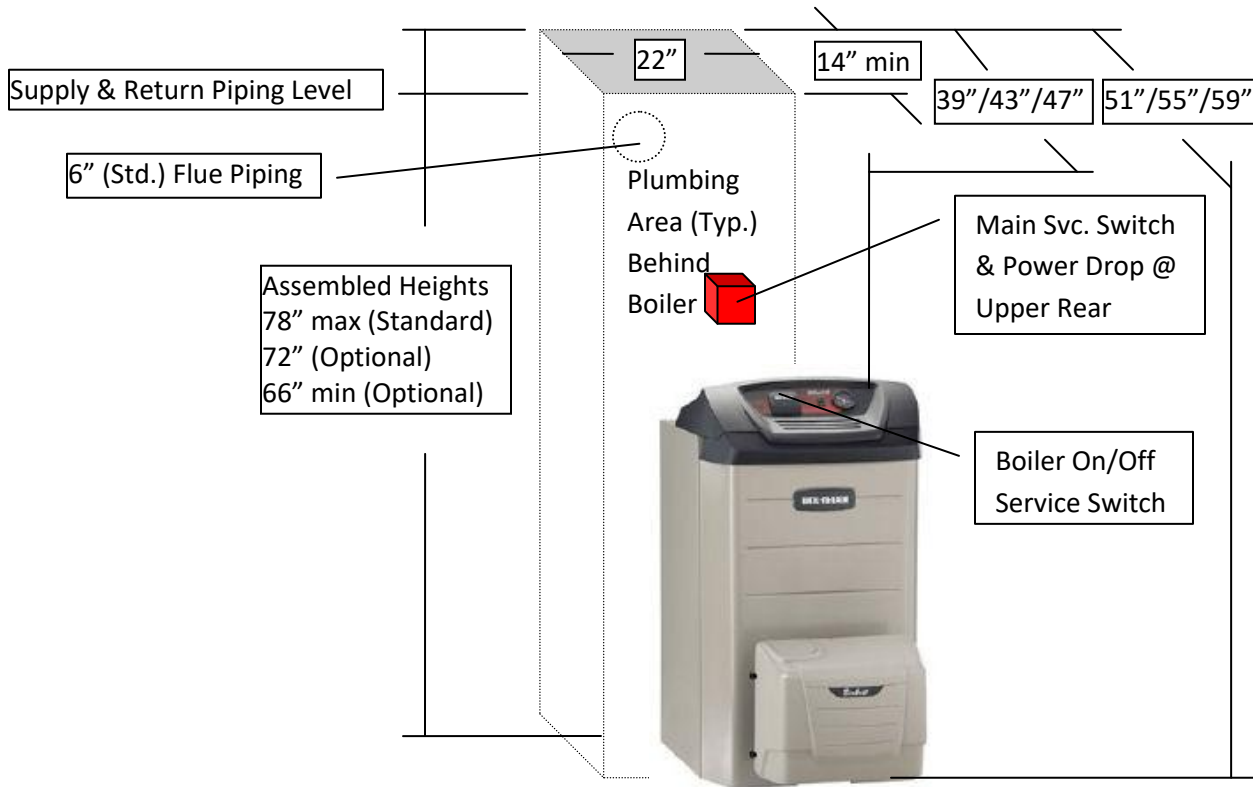
1. Boiler Module, fully piped, valved, controlled and wired, consisting of:
 - a. Weil-McLain Ultra "Triple-Pass" Oil Boiler with Hydrostat® Fuel Smart System.
 - b. Beckett NX Pressure-Fired Oil Burner (field installed to boiler)
 - c. Taco Viridian® VT2218 Delta-T (ΔT) Variable Speed Circulator on all.
 - d. Fully black-iron close-piped boiler supply and return, valved to suit.
 - e. Optionally teed for Indirect Water Heater and/or coupling to an external boiler.
 - f. Fully wired with extended interconnect for Supply Manifold/Thermostat wiring.
2. Supply Manifold, fully piped, valved and wired per application, consisting of:
 - a. Fully black-iron close-piped riser and manifold to suit.
 - b. Taco VorTech® 4900 Series Air Eliminator, piped into manifold.
 - c. Taco "Zone Sentry" Valves, piped into manifold to suit application.
 - d. Valves wired into Service Box interconnect on Boiler Module.
 - e. Watts Pressure Regulator, piped into supply manifold to suit application.
3. Return Manifold, fully black-iron piped riser with valved return taps.

4. Additional Components for field installation:
 - a. Amtrol System Expansion Tank (In Supplier Carton)
 - b. Beckett NX Oil Burner (In Supplier Carton)
 - c. Firematic Oil Burner Valve (Pre-assembled on Beckett NX Oil Burner)
 - d. Pressure Relief Valve ¾" x 24" Toe Nipple Pipe Drop
 - e. Field Barometric Damper (In Weil-McLain Accessory Carton)

Product Notes:

1. There are **no** copper pipes, fittings or sweating utilized in our design!
2. All water connections are **FPT (Female Pipe Threaded)** for installation ease.

Installation and Handling Detail



Approx. Maximum Handling Weights (No Pallet)

System	Boiler	Boiler Module	Supply & Return (Total - Loose)
DTO-100	W/M UO-3	650 lbs	45-60 lbs
DTO-125	W/M UO-4	755 lbs	50-65 lbs
DTO-150	W/M UO-5	890 lbs	55-70 lbs