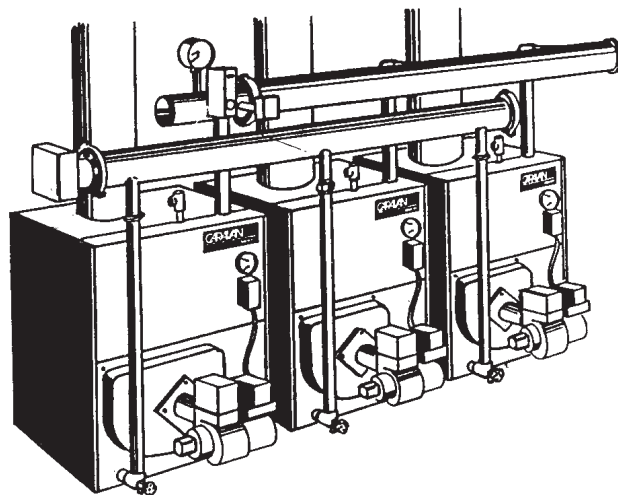


### LWDF SERIES-Dual Fuel/Hot Water

A Caravan modular boiler system consists of two or more compact boilers that offer significant advantages in terms of installed cost, efficiency and reliability. Caravan systems are based on step-firing just enough modules to meet hot water or space heating demands. LWD systems are available in 620,000 to multi-million Btuh gross input. For additional information, see Caravan Engineering Manual, pub. C-30 and Caravan gas application guide, pub. CG-10-HWG or Caravan oil application guide, pub. CG-10-HWO.



#### Standard Equipment

##### One per module unless otherwise noted.

- Pre-assembled heat exchanger with built-in air separators and insulated jacket.
- Dual fuel gas/oil burner with oil valve, gas regulator, gas valve, flame safeguard with UV scanner and on-off fuel transfer switch (unmounted).
- Module pressure and temperature gauge.
- System pressure and temperature gauge (unmounted, one per system).

- Control header (unmounted, one per system).
- Pressure relief valve, ASME (unmounted). Specify 30, 50 or 100 PSI.
- Double swing draft regulator (unmounted).
- Flue brush.
- Hi-limit control, auto reset.
- Drain cock (unmounted).

#### Optional Equipment

- Hot water supply and return header assemblies.
- Control panel with automatic lead/tag.
- Dual fuel chageover thermostat.
- External tankless heaters.
- Two-stage fuel pump in place of one-stage fuel pump.

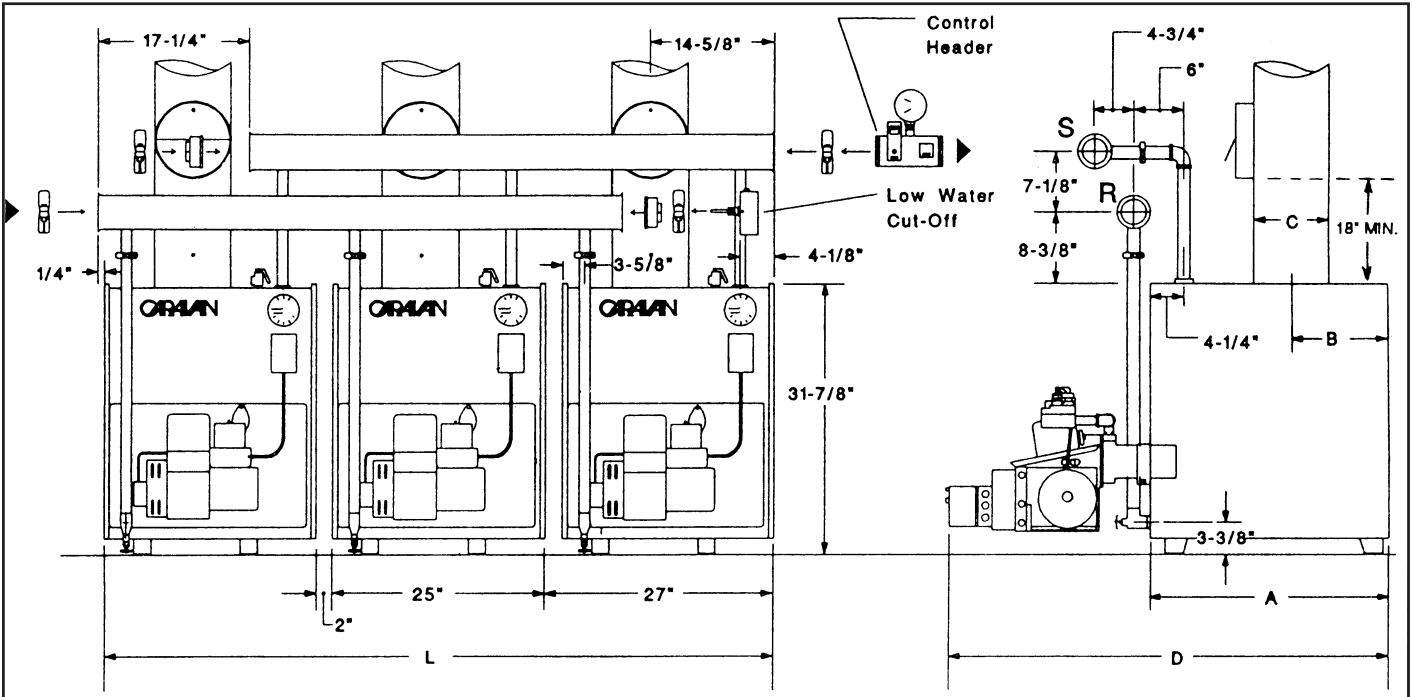
#### Ratings

##### Dual Fuel Caravan ratings and dimensions/hot water models-LWD Series

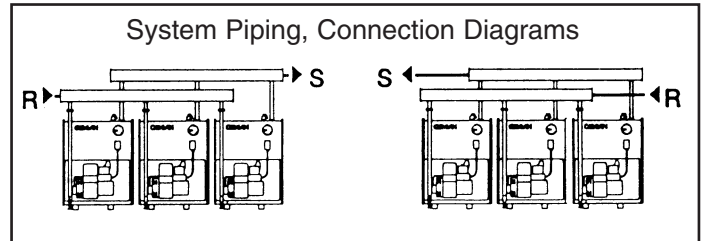
Model No.	§ No. of Htg. Mod.	Fuel	Firing Rate CCFH CPH *	RATINGS					Water content (gal.)	Ship Wt.	Recom- mended Header Size
				Input	Gross Output	EDR Water ‡ (Sq. Ft.)	I=B=R Net † (MBH)	Horse- power			
LWDF-600-2-5	2	Gas Oil	620 4.30	620 602	500	2900	435	14.9	31.0	1650	2"
LWDF-750-2-6	2	Gas Oil	750 5.20	750 728	592	3433	515	17.7	35.6	1870	2"
LWDF-850-2-7	2	Gas Oil	798 6.00	798 840	620 674	3607 3907	540 586	18.6 20.1	40.4	2080	3"
LWDF-900-3-5	3	Gas Oil	930 6.40	930 896	750	4347	652	22.4	46.5	2475	3"
LWDF-1100-3-6	3	Gas Oil	1125 7.80	1125 1092	888	5147	772	26.5	53.4	2805	3"
LWDF-1300-3-7	3	Gas Oil	1197 9.00	1197 1260	930 1011	5407 5860	810 879	27.9 30.2	60.6	3120	3"
LWDF-1700-4-7	4	Gas Oil	1596 12.00	1596 1680	1240 1348	7213 7813	1080 1172	37.2 40.3	80.8	4160	3"
LWDF-2100-5-7	5	Gas Oil	1995 15.00	1995 2100	1550 1685	9013 9767	1350 1465	46.4 50.3	101.0	5200	3"
LWDF-2500-6-7	6	Gas Oil	2394 18.00	2394 2520	1860 2022	10820 11720	1620 1758	55.7 60.4	121.2	6240	3"
LWDF-2900-7-7	7	Gas Oil	2793 21.00	2793 2940	2170 2359	12620 13673	1890 2051	65.0 70.5	141.4	7280	4"
LWDF-3400-8-7	8	Gas Oil	3192 24.00	3192 3360	2480 2696	14420 15627	2160 2344	74.3 80.5	161.6	8320	4"

- Light oil, 140,000 Btu per gallon
- †Net ratings are based on piping and pick-up allowance of 1.15. Slant/Fin should be consulted before selecting a boiler for installation having unusual piping and/or pick-up requirements. For elevations above 1,000 feet, reduce ratings by 4% for each 1,000 feet above sea level.
- ‡Based on 150 Btuh per square foot E.D.R. at 170° F average water temperature.
- § Modules in excess of 8 are piped in parallel in two or more banks.
- NOTE:** Specify pressure relief setting. Relief valve is available with 30, 50 or 100 p.s.i.

# Dimensions



Model No.	Dimensions				
	A	B	C	D	L
LWDF-600-2-5	21 $\frac{1}{8}$ "	8 $\frac{7}{32}$ "	8	49 $\frac{5}{8}$ "	4'4"
LWDF-750-2-6	25	9 $\frac{29}{32}$ "	8	53	4'4"
LWDF-850-2-7	28 $\frac{3}{8}$ "	11 $\frac{19}{32}$ "	9	56 $\frac{3}{8}$ "	4'4"
LWDF-900-3-5	21 $\frac{1}{8}$ "	8 $\frac{7}{32}$ "	8	49 $\frac{5}{8}$ "	6'7"
LWDF-1100-3-6	25	9 $\frac{29}{32}$ "	8	53	6'7"
LWDF-1300-3-7	28 $\frac{3}{8}$ "	11 $\frac{19}{32}$ "	9	56 $\frac{3}{8}$ "	6'7"
LWDF-1700-4-7	28 $\frac{3}{8}$ "	11 $\frac{19}{32}$ "	9	56 $\frac{3}{8}$ "	8'10"
LWDF-2100-5-7	28 $\frac{3}{8}$ "	11 $\frac{19}{32}$ "	9	56 $\frac{3}{8}$ "	11'1"
LWDF-2500-6-7	28 $\frac{3}{8}$ "	11 $\frac{19}{32}$ "	9	56 $\frac{3}{8}$ "	13'4"
LWDF-2900-7-7	28 $\frac{3}{8}$ "	11 $\frac{19}{32}$ "	9	56 $\frac{3}{8}$ "	15'7"
LWDF-3400-8-7	28 $\frac{3}{8}$ "	11 $\frac{19}{32}$ "	9	56 $\frac{3}{8}$ "	17'10"



## Design Data

Max. # ASME Working Pressure: 100 psi  
 Power Requirements: 120 V/60 HZ  
 8.0 amps per module