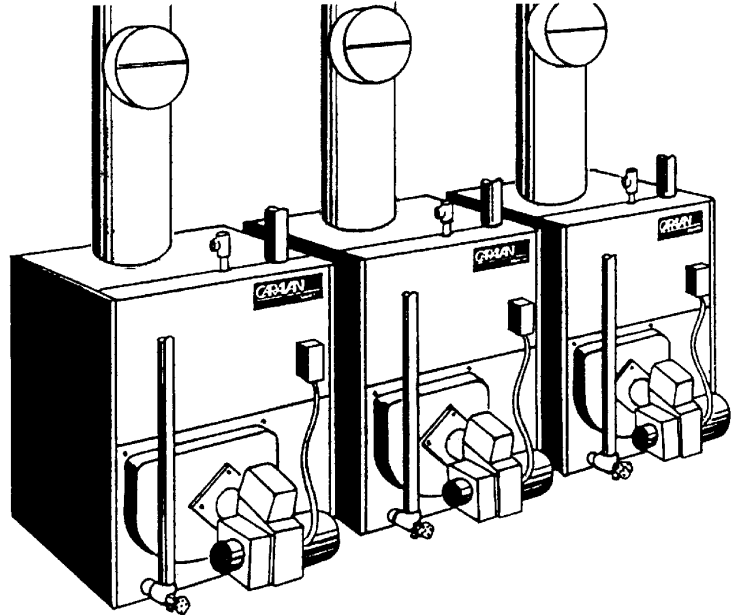


# Slant/Fin®

# CARAVAN® Modular Boiler Submittal Data

## LDZO SERIES—Oil-Fired/Steam

A Caravan modular boiler system consists of two or more compact cast-iron 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 space heating demands. LDZO systems are available in 602,000 to multi-million Btuh gross input. For additional information, see Caravan Engineering Manual, pub. C-30.



### Standard Equipment \_\_\_\_\_

**One per module unless otherwise noted**

- Pre-assembled cast-iron heat exchanger with insulated jacket
- Flame retention oil burner, with nozzle; cadmium sulfide flame detector
- Primary burner control
- System pressure gauge and siphon (unmounted, one per system)
- Module pressure gauge and siphon (unmounted)
- Module pressure relief valve (ASME) (unmounted) 15 PSI.
- Draft regulator (unmounted)
- Flue brush

- Module drain cock (unmounted)
- Water level sight glass (unmounted)

### ASME Required Options \_\_\_\_\_

- 67 Low water cut off (one per module)
- PA404A Pressure control (one per module)
- 67M Low water cut off (one per system)
- L4079B Manual reset pressure control (one per system)

### Ratings \_\_\_\_\_

#### Oil Caravan ratings and dimensions/steam models — LDZO Series

Model No.	No. of Heating Modules	Ratings for No. 2 Oil						Horsepower	Boiler Water Content (gal)	Weight with Water	Recommended Header Size
		I=B=R									
		Burner Capacity (GPH)*	Input (MBH)	Gross Output MBH	Comb. Efficiency	Net Output MBH†	Sq.Ft Steam‡				
LDZO-600-2-5	2	4.3	602	500	85.90	375	1563	14.9	21.4	1426	3"
LDZO-750-2-6	2	5.2	728	596	85.80	447	1863	17.8	25.2	1630	3"
LDZO-850-2-7	2	6.0	840	684	85.50	513	2138	20.4	29.0	1838	3"
LDZO-900-3-5	3	6.4	896	750	85.90	563	2345	22.4	32.1	2139	3"
LDZO-1100-3-6	3	7.8	1092	894	85.80	671	2796	26.7	37.8	2445	5"
LDZO-1300-3-7	3	9.0	1260	1026	85.50	770	3208	30.6	43.5	2756	5"
LDZO-1700-4-7	4	12.0	1680	1368	85.50	1035	4313	40.9	58.0	3675	6"
LDZO-2100-5-7	5	15.0	2100	1710	85.50	1319	5496	51.1	72.5	4594	6"

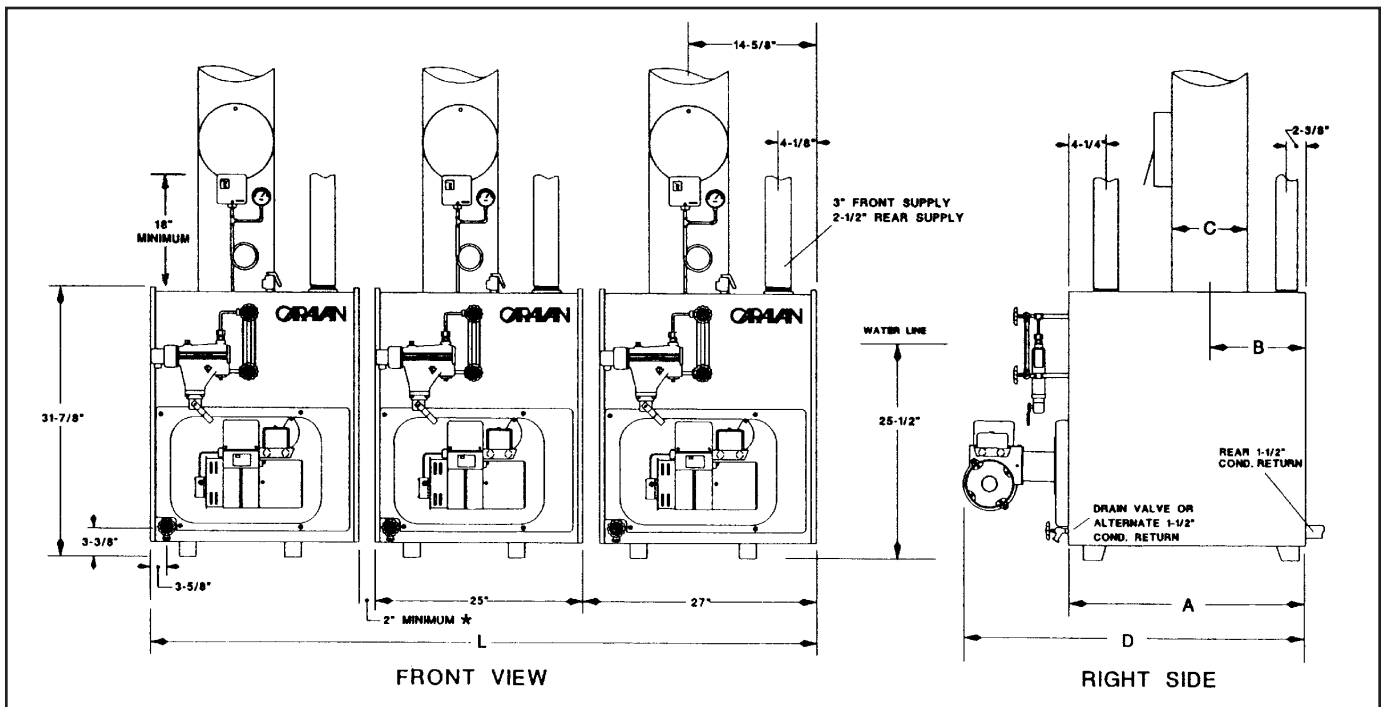
\* Light oil, 140,000 Btu. per gallon.

† Net ratings are based on piping and pick-up allowance of 1.33. Slant/Fin should be consulted before selecting a boiler for installation having unusual piping and/or pick-up requirements. For higher elevations, input may need to be reduced

‡ Based on 240 Btuh per square foot E.D.R. at 215°F average steam temperature.

Modules in excess of 5 are piped in parallel in two or more banks.

## Dimensions



\* CHECK LOCAL CODES TO VERIFY COMPLIANCE

Model No.	Dimensions*				
	A	B	C	D	L
LDZO-600-2-5	21 $\frac{1}{2}$ "	8 $\frac{7}{32}$ "	8"	34 $\frac{1}{2}$ "	4'4"
LDZO-750-2-6	25"	9 $\frac{29}{32}$ "	8"	37 $\frac{1}{4}$ "	4'4"
LDZO-850-2-7	28 $\frac{1}{2}$ "	11 $\frac{19}{32}$ "	9"	41 $\frac{1}{2}$ "	4'4"
LDZO-900-3-5	21 $\frac{1}{2}$ "	8 $\frac{7}{32}$ "	8"	34 $\frac{1}{2}$ "	6'7"
LDZO-1100-3-6	25"	9 $\frac{29}{32}$ "	8"	37 $\frac{1}{4}$ "	6'7"
LDZO-1300-3-7	28 $\frac{1}{2}$ "	11 $\frac{19}{32}$ "	9"	41 $\frac{1}{2}$ "	6'7"
LDZO-1700-4-7	28 $\frac{1}{2}$ "	11 $\frac{19}{32}$ "	9"	41 $\frac{1}{2}$ "	8'10"
LDZO-2100-5-7	28 $\frac{1}{2}$ "	11 $\frac{19}{32}$ "	9"	41 $\frac{1}{2}$ "	11'1"

\* Inches, except "L" which is feet/inches.

## Design Data

Max. ASME Working Pressure: 15 psi  
 Power Requirements: 120 V/60 HZ,  
 6.0 amps per module