

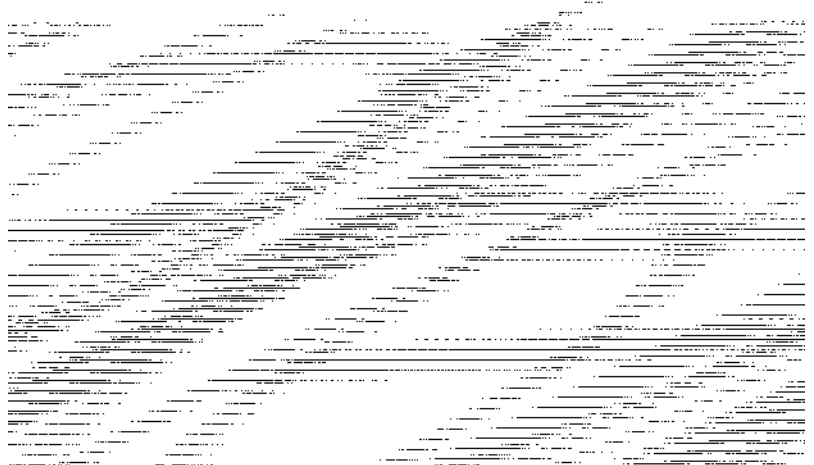
# Slant/Fin®

# 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

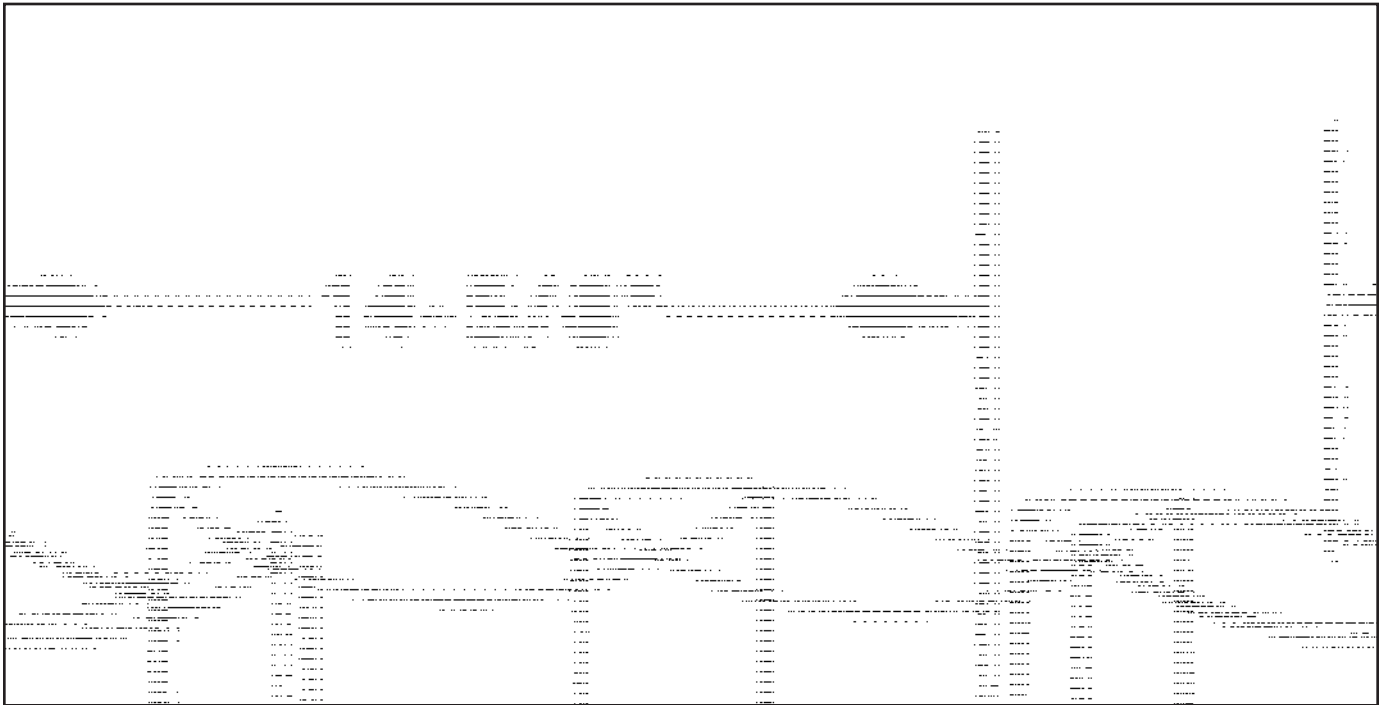
Model No.	No. of Heating Modules	Ratings for No. 2 Oil						Horse-power	Boiler Water Content (gal)	Weight with Water	Recommended Header Size
		AHRI									
		Burner Capacity (GPH)*	Input (MBH)	Gross Output MBH	Thermal Efficiency	Net Output MBH†	Net Sq.Ft Steam‡				
LDZO-600-2-5	2	4.3	602	497	82.5	373	1554	14.8	21.4	1426	3"
LDZO-750-2-6	2	5.2	728	622	85.5	467	1946	18.6	25.2	1630	3"
LDZO-850-2-7	2	6.0	840	699	83.2	526	2192	20.9	29.0	1838	3"
LDZO-900-3-5	3	6.4	896	740	82.5	555	2311	22.1	32.1	2139	3"
LDZO-1100-3-6	3	7.8	1092	934	85.5	700	2918	27.9	37.8	2445	
5"31.3LDZO-1300-3-73	3	9.0	1260	1048	83.2	789	3287	30.6	43.5	2756	5"
LDZO-1700-4-7	4	12.0	1680	1398	83.2	1051	4379	41.8	58.0	3675	6"
LDZO-2100-5-7	5	15.0	2100	1747	83.2	1314	5474	52.2	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 $\frac{1}{8}$ "	8 $\frac{7}{32}$ "	8"	34 $\frac{3}{8}$ "	4'4"
LDZO-750-2-6	25"	9 $\frac{29}{32}$ "	8"	37 $\frac{1}{4}$ "	4'4"
LDZO-850-2-7	28 $\frac{3}{8}$ "	11 $\frac{19}{32}$ "	9"	41 $\frac{1}{8}$ "	4'4"
LDZO-900-3-5	21 $\frac{1}{8}$ "	8 $\frac{7}{32}$ "	8"	34 $\frac{3}{8}$ "	6'7"
LDZO-1100-3-6	25"	9 $\frac{29}{32}$ "	8"	37 $\frac{1}{4}$ "	6'7"
LDZO-1300-3-7	28 $\frac{3}{8}$ "	11 $\frac{19}{32}$ "	9"	41 $\frac{1}{8}$ "	6'7"
LDZO-1700-4-7	28 $\frac{3}{8}$ "	11 $\frac{19}{32}$ "	9"	41 $\frac{1}{8}$ "	8'10"
LDZO-2100-5-7	28 $\frac{3}{8}$ "	11 $\frac{19}{32}$ "	9"	41 $\frac{1}{8}$ "	11'1"

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

## Design Data

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