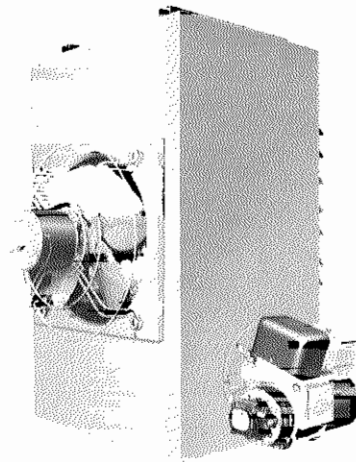


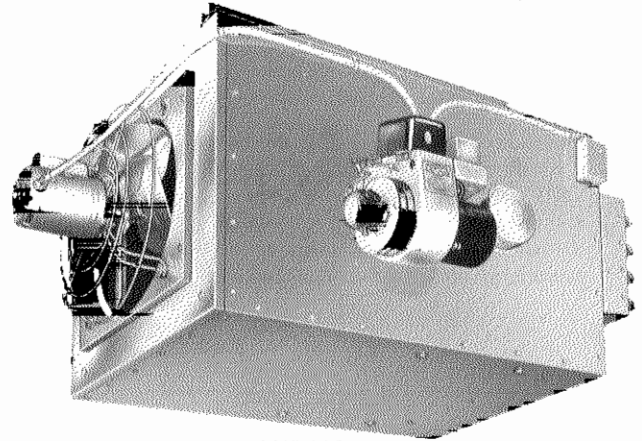


# OIL FIRED UNIT HEATERS LUF SERIES—HORIZONTAL 125,000 to 625,000 Btuh Input

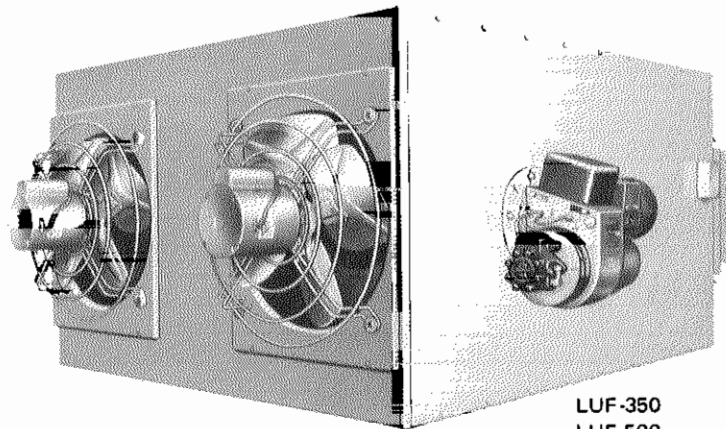
- Completely Assembled
- Rugged Construction
- Simple To Install
- High Capacity
- Durable Cabinet
- Complete Service Access
- Efficient Burner
- Direct Drive Fan
- Automatic Temperature Control



LUF-100



LUF-250

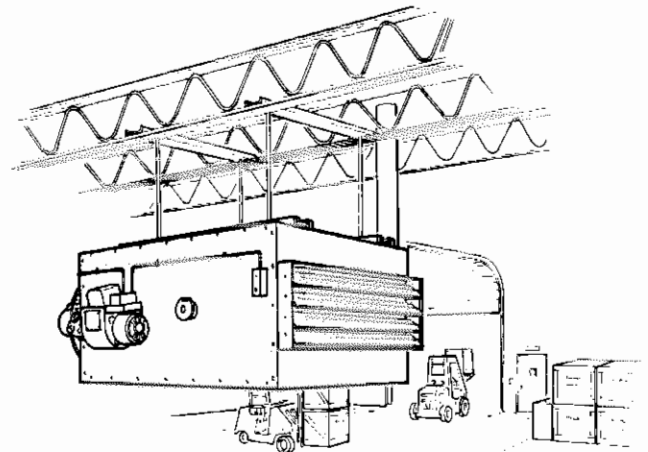


LUF-350  
LUF-500

### Suspended Horizontal Oil Unit Heaters Provide Economical Heating System Installations

The Lennox LUF series line of oil fired unit heaters are designed for heating large or small areas primarily in commercial or industrial installations. Units require only suspension, venting and connection of oil supply line and power supply to provide an efficient and low cost heating installation. Units are available with a Btuh input capacity range of 125,000 through 625,000. Heat exchanger design assures maximum heating efficiency and long service life. High pressure oil burner design provides clean, quiet and economical operation. Durable aluminum cabinet is equipped with hanger rails for ease of installation. Units are equipped with direct drive fans for air distribution. Single deflection discharge louvers provide effective and accurate air diffusion. Burner, controls and fans are completely accessible for ease of service. Burner and components are U.L. approved. Unit heaters are shipped factory assembled with the controls mounted and wired. In addition each unit is fire tested at the factory.

### Typical Application



## FEATURES

**Heat Exchanger**—LUF-100 heat exchanger consists of pyrolite lined fire box and vertical aluminized flue tubes. Air flow over flue tubes provides maximum heat transfer. Larger model heat exchangers have combustion gas passages at ninety degrees to the direction of air flow, large volume stainless steel combustion chamber and secondary heat exchanger for maximum combustion efficiency and heat transfer.

**Durable Cabinet**—Constructed of unpainted aluminum and equipped with hanger rails for suspension. Four 1/2-13 grip nuts are furnished in hanger rails for ease of suspension. Flue connection is made at rear of cabinet.

**Air Discharge Louvers**—Adjustable single deflection louvers provide control of air direction and diffusion.

**Dependable Oil Burner**—High pressure oil atomizing type burner with mechanically forced draft suitable for burning oil through No. 2 CS12-48. The burner incorporates an oil pump, burner motor, combustion air fan & drive, combustion air damper and transformer. All parts are easily removed for service or replacement. Burner is factory installed in the unit, wired and fire tested.

**Safety Control**—Automatic burner control shuts down burner in the event of flame or power failure. Factory installed and wired.

**Flame Observation Port**—Conveniently located on unit to observe flame characteristics and used as a pressure relief door.

**Direct Drive Fan**—Units are equipped with efficient and quiet operating fan(s). Motor and fan are completely accessible. Rated in accordance with AMCA Standards. LUF-100 and LUF-250 use a single fan. Larger models have dual fans.

**Fan and Limit Control**—Provides for automatic or continuous fan operation and for burner shut down on excessive temperature. Factory installed and wired.

**Approvals**—Units are furnished with U.L. approved components and burner.

**Optional Equipment**—The following options are shipped separate for field installation and must be specified when ordering. Double Deflection Discharge Louvers, On-Off Thermostat(24volt), Disconnect Switch, Pressure Regulator, Oil Strainer, Power Exhauster & Adapter (not available on LUF-100), F.M. Approval and F.I.A. Approval.

## SPECIFICATIONS

Model No.	LUF-100	LUF-250	LUF-350	LUF-500
Btuh input	125,000	312,000	438,000	625,000
Btuh output	100,000	250,000	350,000	500,000
Nozzle size (gph)	.85	2.25	3.00	4.5
Combustion Chamber	Surface area (sq. ft.)	---	21	33
	Volume (cu. ft.)	1.0	6.6	15
Heat exchanger surface area (sq. ft.)	17.4	25	69	69
Flue size (diameter inches)	6	9	12	12
Fan diameter (in.) & no. of blades	(1) 16-4	(1) 18-4	(2) 20-4	(2) 20-4
Fan motor hp	(1) 1/15	(1) 1/2	(2) 3/4	(2) 3/4
Air volume (cfm)	1500	2800	6000	6000
Air discharge velocity (fpm)	620	950	1150	1150
Air throw (ft.)	50	100	100	100
Temperature rise (degrees F)	62	82.5	54	77
Burner motor hp	1/8	1/8	1/4	1/4
Electrical characteristics	115v/60hz/1ph	115v/60hz/1ph	115v/60hz/1ph	115v/60hz/1ph
Net weight (lbs.)	230	300	650	650
Shipping weight (lbs.)	250	320	685	685

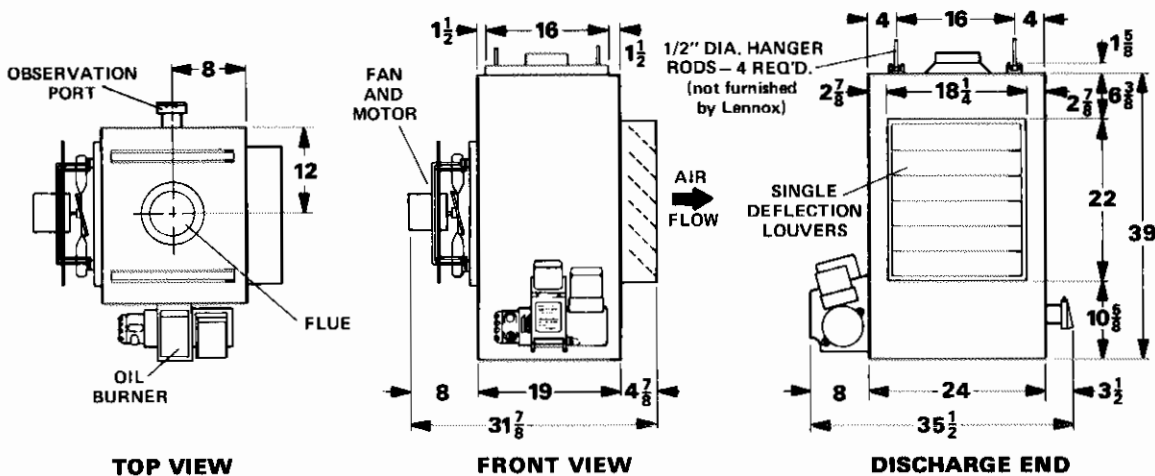
### INSTALLATION CLEARANCES (inches)

Front	48
Top, Back & Sides	6
Flue	18

NOTE—Provide adequate clearance for servicing.

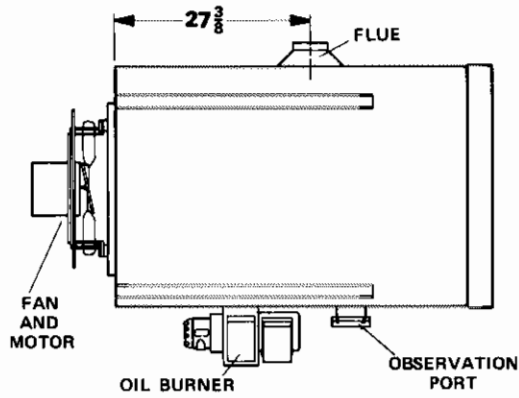
### DIMENSIONS (inches)

#### LUF-100

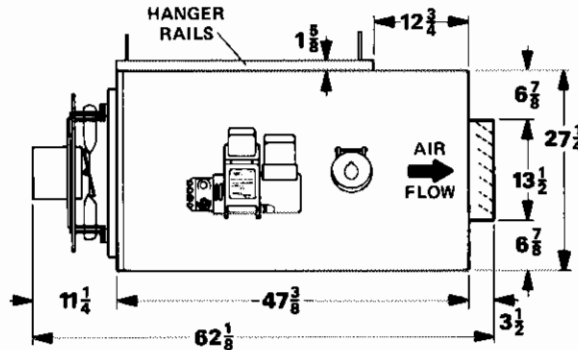


**DIMENSIONS (inches)**

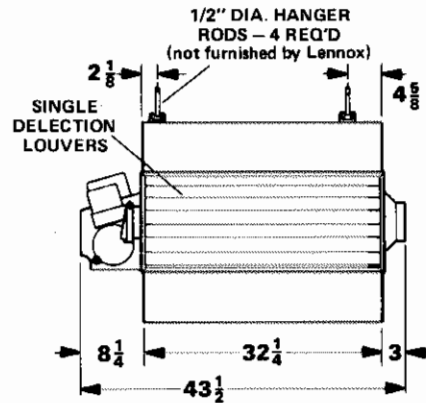
**LUF-250**



**TOP VIEW**

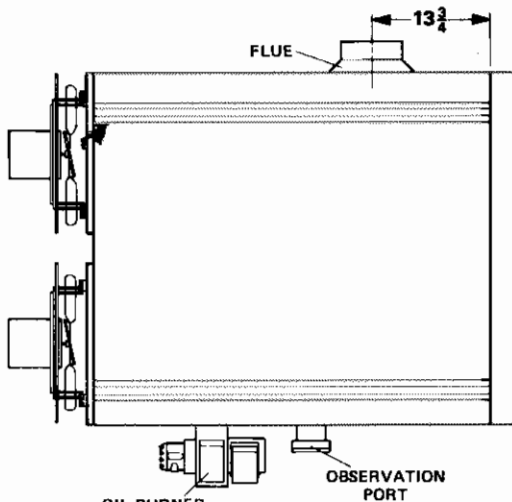


**FRONT VIEW**

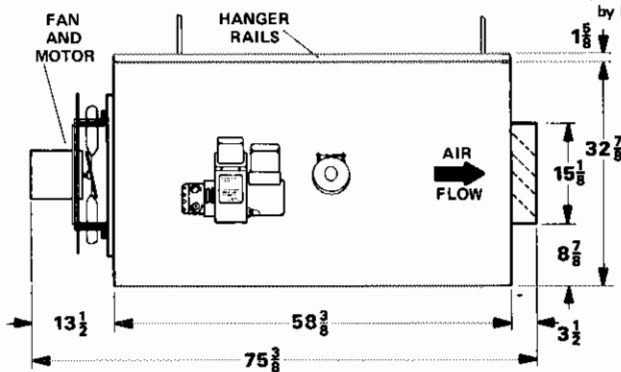


**DISCHARGE END**

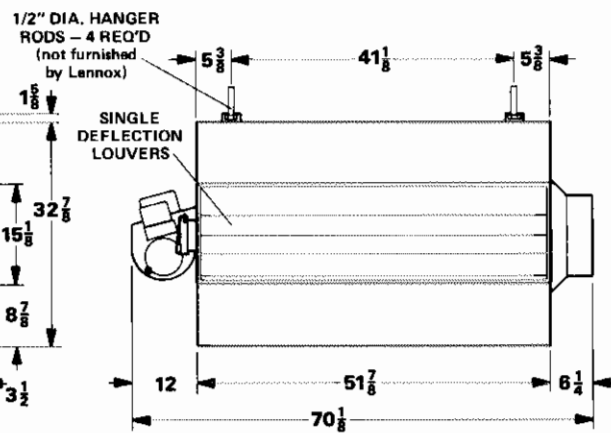
**LUF-350 and LUF-500**



**TOP VIEW**



**FRONT VIEW**



**DISCHARGE END**