

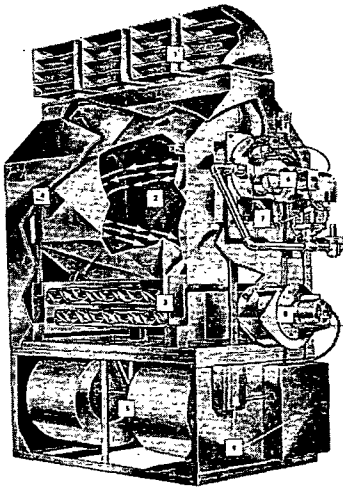
LENNOX Industries Inc.

1701 East Euclid, Des Moines 4, Iowa

Representatives In All Principal Cities

FOR

SPACE HEATING, DRYING,
MAKE-UP-AIR AND
OVEN APPLICATIONS



1. Adjustable air discharge nozzles permit directional heating or attachment to a duct distribution system.
2. Stainless steel combustion chamber. Four pass counter flow mode of heat transfer without the use of internal baffles.
3. Economizer section: Boiler tubes equipped with high velocity retarders contribute to operating efficiency of 80 percent or better.
4. Double casing with metal radiation shield retards casing heat loss.
5. Quiet, heavy-duty, belt-driven blowers mounted on adjustable rails for easy adjustment. Large blower compartment reduces inlet velocities and drafts.
6. Burners are oil, gas or combination fuel—all interchangeable. A combination burner also available for quick change from gas to oil-firing without removal of any burner parts.

7. Heavy-duty safety door equipped with self-closing latches; observation port for easy flame inspection.
8. Independent induced draft blower eliminates need for chimney-type draft.
9. Main switch shuts off all power at heater; all sequencing provided by one master controller, protects against flame ignition, power or draft failure; no cold surge at start-up.

ENGINEERING DATA

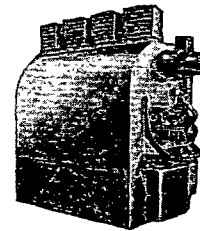
MODEL NO.	AT-40	AT-50	AT-75	AT-100	AT-125	AT-150	AT-175	AT-200
OUTPUT: BTU/HR.	400,000	500,000	750,000	1,000,000	1,250,000	1,500,000	1,750,000	2,000,000
INPUT: BTU/HR.	500,000	625,000	940,000	1,250,000	1,540,000	1,875,000	2,190,000	2,500,000
CFM AT 70°F	1	1.5	3	5	7.5	10	12.5	15
BLOWER H.P.	1	1.5	3	5	7.5	10	12.5	15
BLOWER R.P.M.	740	700	620	570	520	470	420	370
TEMP. RISE: °F	74	70	71	74	75	75	75	75
HEATING SURFACE: Sq. Ft.	59	84	142	142	218	218	314	314
AIR DISCHARGE NOZZLES: No. of	3	4	4	4	4	4	4	4
BLOWER WHEELS: No. & Diameter	2-13"	2-14"	2-19"	2-19"	3-19"	3-19"	3-19"	3-19"
STACK: Recommended "Dia	8	8	10	10	12	12	14	14
WEIGHT: Est. Shipping Lbs.	1450	1600	2400	2700	3500	3850	4350	4500

MODEL "AT" HEATER TYPE DESIGNATIONS

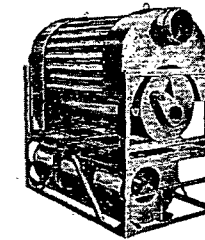
DESIGNATION	TYPE OF FUEL	DESIGNATION	TYPE OF MOUNTING
Z	For use with Light Oil No. 2	F	FLOOR
4	For use with No. 4 Oil & Lighter	H	HORIZONTAL
G	For use with Gas	I	INVERTED
2G	For use with No. 2 Oil & Gas	HP	HORIZONTAL-INTEGRAL SERVICE PLATFORM
4G	For use with No. 4 Oil & Gas	IP	INVERTED-INTEGRAL SERVICE PLATFORM
M	Modulating Burner Control		
HL	High-Low-Off Control		

Mammoth Furnace Company
6425 Cambridge Street Minneapolis 26, Minnesota

Commercial-Aire



U



Strong—built for rugged service and safe shipment.

Quiet Fan Operation—a rigid tubular fan shaft supported by two self aligning bearings eliminates shaft and bearing problems.

Retractable Burner Tray—allows complete service to burner. Permits removal from unit with no disassembly and minimum handling.

Central Control Cabinet—provides controls, fusing and wiring in an accessible dust-tight enclosure.

Direct Driven Induced Draft—trouble-free, vortex cooled motor shaft connection to blower wheel. No belts and additional bearings to service.

Variety Of Controls And Power Supplies—units may be "off-on" thermostat controlled, hi-low fire or modulated control.

Wiring and controls can be provided for all power supplies.

Integrated Burner Applications—burners by reputable manufacturers are tailored to produce the most effective flame configuration for the heater design.

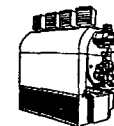
Combustion Safety And Draft Controls—MH-Electronic flame control system, pre-ignition draft purge timing and draft sensing give a high degree of operation safety.

Series "F" Floor mount with discharge heads for industrial plants, foundries, etc.

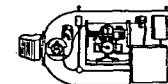
Series "H" Horizontally suspended unit for use where floor space is unavailable.

Series "FD" For duct distribution. For churches, schools, auditoriums, etc.

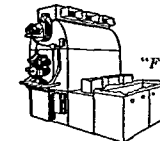
Series "U" Suspended inverted unit for make-up air applications in plants, foundries, etc.



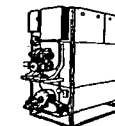
"F"



"H"



"FD"



"U"

SPECIFICATIONS

Model	Btu Output	Sq ft Htg. Surface E.D.T.*	Cfm @ 70°F EXH. RISE 55°	Blower Di/D	Motor hp	Approx. Fan rpm	Max Firing Rate		Length	Height†	Width	Plenum Opening	Mech. Exhaust Discharge	Approx. Shipping Weight
							Oil gph	Gas cfh						
300	300,000	135.3	4,000	14"-twin	3/4	575	3.0	375	60"	80"	32"	18x60	8" dia.	1,590
400	400,000	135.3	5,500	14"-twin	1	640	4.0	500	60"	80"	32"	18x60	8" dia.	1,690
550	550,000	183.6	7,000	14"-triple	1 1/2	750	5.0	688	80"	80"	32"	18x80	8" dia.	1,950
700	700,000	183.6	8,700	14"-triple	2	820	7.0	875	80"	80"	32"	18x80	8" dia.	2,160
800	800,000	276.8	10,000	18"-triple	3	710	7.5	1,000	80"	83"	48"	22x80	10" dia.	2,776
1000	1,000,000	276.8	13,000	18"-triple	5	790	9.5	1,250	80"	83"	48"	22x80	10" dia.	2,850
1250	1,250,000	431.0	16,000	18"-triple	5	755	11.5	1,563	100"	96"	54"	26x100	10" dia.	3,850
1500	1,500,000	431.0	19,000	18"-triple	7 1/2	830	14.0	1,875	100"	96"	54"	26x100	10" dia.	4,010
1750	1,750,000	574.1	23,000	21"-triple	7 1/2	680	16.5	2,188	120"	96"	60"	30x120	12" dia.	4,750
2000	2,000,000	574.1	26,000	21"-triple	10	740	18.5	2,500	120"	96"	60"	30x120	12" dia.	4,910

* Equivalent Direct Transfer. ** Adjustable. † Burner Projections Not Included. ‡ Discharge Head Projection Not Included.