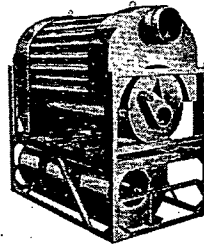
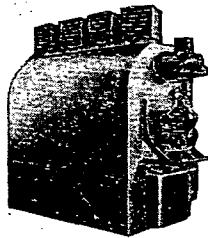


Mammoth Furnace Company

509 Vandalia Street St. Paul, Minnesota

Commercial-Aire



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.

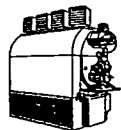
Combustion Safety And Draft Controls—MH-Electronic flame control system, pre-ignition draft purge timing and draft sensing give a high degree of operation safety.

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

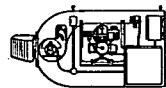
Series "H" Horizontally suspended unit for use where floor space is unavailable.

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

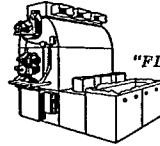
Series "U" Suspended inverted unit for make-up air applications in plants, foundries, etc.



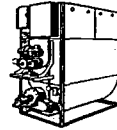
"F"



"H"



"FD"



"U"

SPECIFICATIONS

Model	Btu Output	Sq ft Htg. Surface E.D.T.*	Cfm @ 1" EXT. S.P. 8" RISE	Blower DIDW	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	¾	675	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	1½	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.	2,150
800	800,000	276.8	10,000	16"-triple	3	710	7.5	1,000	80"	83"	48"	22x80	10" dia.	2,775
1000	1,000,000	276.8	13,000	16"-triple	5	790	9.5	1,250	80"	83"	48"	22x80	10" dia.	3,850
1250	1,250,000	431.0	16,000	18"-triple	5	755	11.5	1,563	100"	96"	54"	26x100	10" dia.	4,010
1500	1,500,000	431.0	19,000	18"-triple	7½	830	14.0	1,875	100"	96"	54"	26x100	10" dia.	4,750
1750	1,750,000	574.1	23,000	21"-triple	7½	680	16.5	2,188	120"	96"	60"	30x120	12" dia.	4,910
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. Head Projection Not Included.

** Adjustable.

† Burner Projections Not Included.

‡ Discharge

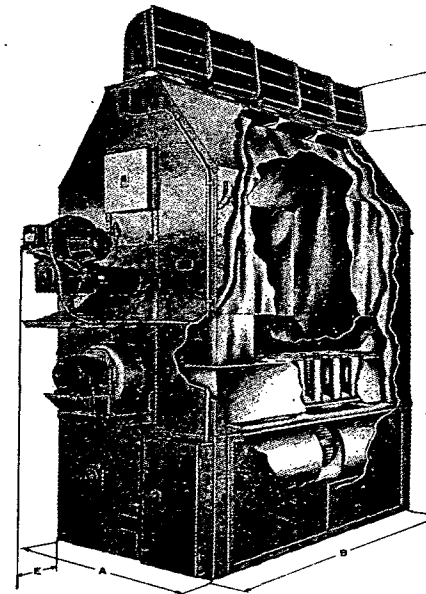
Arthur A. Olson & Company

Canfield, Ohio

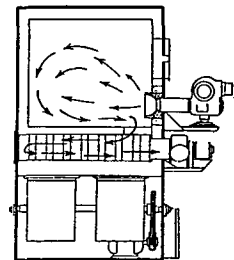
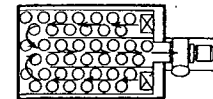
Manufacturers of Direct Fired Heaters

Olson

A completely automatic direct-fired unit heater. Olson heaters operate on gas, oil, dual gas-oil or coal. These units may be hung, suspended horizontally or inverted. All heaters can be adapted to filtering, humidifying and air conditioning. Use of standard accessories and easy access to bearings and other vital parts simplify maintenance. Also special adaptations for make-up air, drying, high-temperature and process work.



- Austinetic Stabilized Stainless Steel Combustion Chamber with floating design and a multiple battery of 10 gauge boiler tube economizer section.
- Heavy Duty Fans and Shaft.
- Inlet Screens or Frame for Filter Box.
- Adjustable, Deflecting Outlets.
- Separate Induced Draft Fan.
- Bearings Outside Heater at End of Shaft.



Four Pass Gas Travel-Counter Current.

Engineering Data—Gas, Oil, or Dual Gas-Oil Heaters

Heater Model Number	Btu/Hr Output Capacity	Cfm Blowing Fans	General Dimensions					No. of Blowing Fans	Motor Hp Blowing Fans	Stack Dia.	No. of Nozzle Outlets
			A	B	C	D	E				
S-300	300,000	3,500	3'-0"	3'-3"	7'-6"	1'-3"	2'-3"	1	1	8"	2
S-400	400,000	4,500	3'-0"	3'-3"	7'-6"	1'-3"	2'-3"	2	2	8"	2
S-500	500,000	5,500	3'-0"	4'-7 1/4"	8'-0"	1'-3"	2'-3"	2	1 1/2	8"	3
S-600	600,000	7,000	3'-0"	4'-7 1/4"	8'-0"	1'-3"	2'-3"	2	3	8"	3
S-750	750,000	8,500	3'-8"	5'-11"	8'-4"	1'-3"	2'-7"	2	3	10"	4
S-1000	1,000,000	11,000	3'-8"	5'-11"	8'-4"	1'-3"	2'-7"	2	5	10"	4
S-1250	1,250,000	14,000	4'-4"	7'-6"	9'-10"	1'-5"	2'-7"	2	7 1/4	10"	4
S-1500	1,500,000	17,000	4'-4"	7'-6"	9'-10"	1'-5"	2'-7"	2	10	12"	4
S-1750	1,750,000	20,000	4'-10"	8'-6"	10'-9"	1'-5"	2'-9"	2	15	12"	5
S-2000	2,000,000	22,000	4'-10"	8'-6"	10'-9"	1'-5"	2'-9"	2	15	12"	5

Write for complete data on stoker fired units and large central systems.