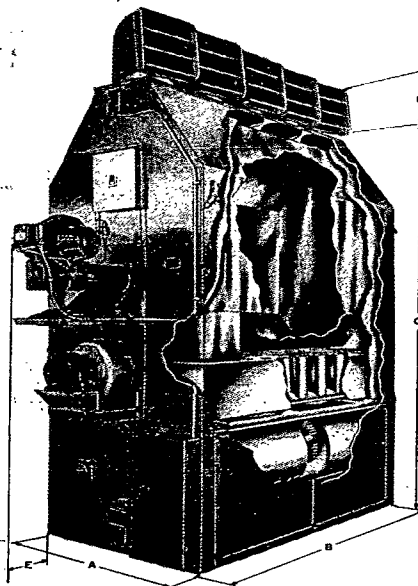


Arthur A. Olson & Company

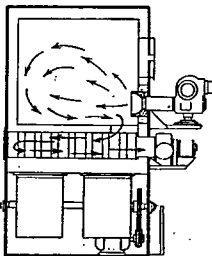
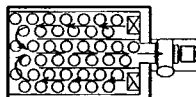
Canfield, Ohio
Manufacturers of Direct Fired Heaters

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.



- Austenitic Stabilized Stainless Steel Combustion Chamber with floating design and a multiple battery of 10 gage 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"	1	1 1/4	8"	2
S-500	500,000	5,500	3'-0"	4'-7 1/4"	8'-0"	1'-3"	2'-3"	2	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'-0"	9'-10"	1'-5"	2'-7"	2	7 1/2	10"	4
S-1500	1,500,000	17,000	4'-4"	7'-0"	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'-7"	2	15	12"	5
S-2000	2,000,000	22,000	4'-10"	8'-6"	10'-9"	1'-5"	2'-7"	2	15	12"	5

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

Tjernlund Manufacturing Co.

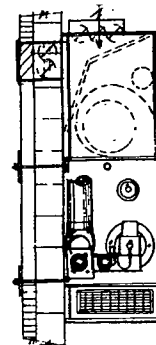
2140 Kasota Avenue • St. Paul 14, Minnesota

TJERNLUND
"Quick Heat"

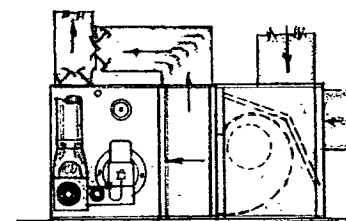
Manufacturers of DOMESTIC, INDUSTRIAL, and COMMERCIAL WARM AIR HEATING EQUIPMENT, OIL and GAS BURNERS, BLOWERS and DRAFT INDUCERS

7 MODELS

134,000-896,000 BTU OUTPUT



Style "A"
ventilator and space heater



Style "B" Lo-Boy
furnace with by-pass and filter sections

HEAT EXCHANGER

Features well known Tjernlund Counter-flow flue system coupled with direct firing into high heat resistant stainless steel combustion area. No internal baffles or restrictions.

FIRING EQUIPMENT

Oil fired units utilize Tjernlund high pressure integral draft inducing oil unit for #2 or #3 oil. Single motor operation of inducer and oil burner. Two stage fuel units—standard equipment.

GAS FIRED UNITS

Feature Tjernlund jet fire power type gas units. Models 150, 200, 280 incorporate integral draft inducing equipment identical to that shown on oil units with electric ignition, prepurge timing electronic safety control.

BLOWER EQUIPMENT

Properly sized DWDI blower wheels with correctly designed scrolls. Blowers made by Tjernlund for correct application to each piece of equipment. Extra capacities available for higher air delivery and external static pressure.

DUCT HEATERS

All Tjernlund units available less blower equipment for use in conjunction with air conditioning units or as replacement heaters where existing blower equipment can be utilized.

Engineering Data

Model	Btu Output	Cfm S.p.	Input Oil Gph	Nat Gas Cfh	Blower Phase			No. Wheels	Wheel Size	Filters	
					p.h	Volt	Rpm			Quan.	Size
35	134,000	1600	1:20	160	1/4	110	680	1	12 x 12	2	16 x 25
50	184,000	2300	1:65	230	1/4	110	560	1	14 x 12	4	16 x 20
70	224,000	2800	2:00	280	1/2	110	600	1	14 x 14	4	20 x 20
100	356,000	4200	3:00	400	3/4	110	520	1	16 x 16	4	20 x 25
150	500,000	6300	4:50	600	1	110	500	2	16 x 14	6	20 x 25
200	670,000	8400	6:00	800	1 1/2	110	450	2	18 x 16	8	16 x 25
280	896,000	10000	8:00	1000	2	110	480	2	18 x 18	8	20 x 25

Write for complete catalog and specifications