

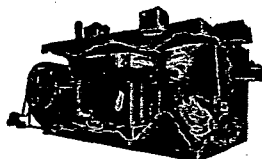
E. K. CAMPBELL COMPANY

Manchester at 18th . Kansas City 26, Mo.

Sales and Service Offices in Principal Cities



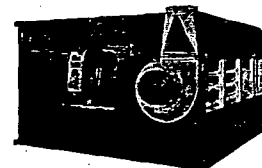
- **Heavy Duty Warm Air Furnaces**
Capacities to 3,000,000 btu
- **Builders of Custom Heating Equipment**
Since 1910



"Thermidaire" Design 10



"Thermidaire" Design 40



"Thermidaire" Design 41

"THERMIDAIRE" DESIGN 10 HEAVY DUTY FURNACES—CUSTOM HEAVY DUTY EQUIPMENT FOR ENGINEERED APPLICATIONS.

Typical Problems for which Design 10 Furnaces Offer an Excellent Solution:

- **Need for constant ventilation.**—To maintain freshness in any structure, particularly where high occupancy loads occur, modulating face and by-pass zone arrangements are used to obtain constant air circulation with "Thermidaire" Design 10 Heavy Duty Furnaces.
- **Need for air conditioning.**—Since most modern structures have either present cooling equipment, or will have it at some future date, the large air capacities needed, and the duct distribution system required are readily available in the structure using "Thermidaire" Design 10 Heavy Duty Furnaces.
- **Need for very large capacity equipment.**—Where large loads exist, the high output capacity available from single units simplifies the solution. "Thermidaire" Design 10 Heavy Duty Furnaces available in standard sizes with output to 8,000,000 Btu/h and 145,000 cfm of air per hour.
- **Need to meet special design requirements.**—For balancing Btu/h vs. cfm component sizing, separate sizing of furnace and blower elements permits "Thermidaire" Design 10 Heavy Duty Furnaces to meet special requirements for very high or low air volumes, or temperature rises, and to handle unusual jobs, process needs, or exceptional building conditions.
- **Need for flexible or special equipment arrangements.**—Where building dimensions limit outlet or inlet duct arrangements, location of firing front or position of blower relative to air conditioning or furnace components "Thermidaire" Design 10 Heavy Duty Furnaces are excellent due to the extreme flexibility possible in arranging equipment.
- **Need for full convertibility to any fuel.**—Where dual fuel equipment is required, or in event of future changes in fuel requirements, (including gas, L. P., oil light or heavy, and solid fuels), "Thermidaire" Design 10 Heavy Duty Furnaces offer complete protection since any of these fuels can be efficiently burned.
- **Need for extra heat content.**—"Thermidaire" Design 10 Heavy Duty Furnaces are the highest quality equipment available, designed for continuous duty and long life on tough jobs and large loads.
 - Only Heavy Duty blower equipment is used.
 - Only highest grade burner and control equipment used.
 - Extra Heavy welded steel construction throughout.
 - Baked enamel exterior finish.
 - Fiberglas insulated casing.
 - Low internal resistance to flue gases.
 - Operating efficiencies up to 84 percent with resultant fuel economy.
 - Counter-Flow heat transfer.
 - Positive pressure or Drive through principle.
- **Need for special services.**—
 - Our half-century of application experience in the specialized field of heavy duty warm air heating is available to assist in arriving at the proper solution to your problem.
 - We recognize that satisfactory solution of the Users problem is the end objective and we back our equipment with competent field service to accomplish this.

**"THERMIDAIRE" DESIGN 40 HEAVY DUTY
FURNACES**

Standard heavy duty equipment for general heating applications—Available from 250,000 to 2,000,000 Btuh output in vertical, horizontal, and inverted models—available for gas, oil or combinations. Provides convenient compactness, high efficiency, simple installation. Blower, burner, ID fan and controls, mounted, wired and fire tested. Normally shipped assembled.

"THERMIDAIRE" DESIGN 41 HEAVY DUTY FURNACES

Standard heavy duty equipment for engineered applications—designed for use with face and by-pass, constant ventilation, or air conditioning—requires separate blower—has built in by-pass section—available in same models and fuels as Design 40, in sizes from 250,000 to 3,000,000 Btuh output. Provides convenient compactness, high efficiency, simple installation. Burner, controls and ID fan, mounted, wired and fire tested. Normally shipped assembled.

OTHER DESIGNS AND SPECIAL EQUIPMENT AVAILABLE ON REQUEST

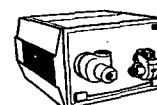
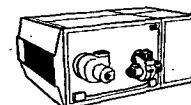
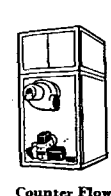
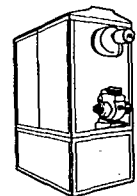


CHICAGO STEEL FURNACE CO.

Home Office & Plant
9326 S. Anthony Ave., Chicago 17, Illinois

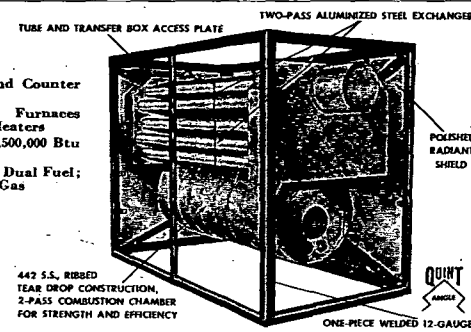
Engineering Sales Offices from Coast to Coast

REgent 1-0280



Horizontal Furnace Duct Heater

Chicago Steel Furnace Co. announces the production of a new line of steel furnaces made of stronger 442 Stainless in capacities to 2½ million Btu's in all popular designs. Chicago's 442 Stainless line supplements the refractory lined series still available.



Stainless Steel Unit

All models available with either duct flange connections or (optional) with 4-way adjustable diffuser heads and screened intakes.

Cuts and features here shown pertain to our stainless steel series of furnaces only. Firing equipment, all fuels, *UL* and *A.G.A.* inspected and approved.

STAINLESS STEEL SERIES*

[illegible]

* Specifications and dimensions subject to change without notice. Contact factory for certified dimensions. Some changes currently being considered.

REFRACTORY LINED SERIES**

SPECIFICATIONS										UPFLOW					COUNTERFLOW					HORIZONTAL					DUCT HEATER								
Output Btu/Hr	Blower		Inducer*		Diff. Head	T °F	S i n	Cabinet Dimensions		T °F	S i n	Cabinet Dimensions		T °F	S i n	Cabinet Dimensions		T °F	S i n	Cabinet Dimensions		T °F	S i n	Cabinet Dimensions		T °F	S i n	Cabinet Dimensions					
	CFM E. S.	W. P.	Wheel	HP				Outlet	HP			H	L			H	L			H	L			H	L			H	L	H	L	H	L
120,000	1,600	3-8"	1-1/2"	8 1/4	× 6 1/4	14	4	UR-120	76	34	31	780	CR-120	76	34	31	780	HR-120	130	54	33	790	DR-120	34	57	33	68	70	34	57	33	68	70
150,000	1,800	3-8"	1-1/2"	8 1/4	× 6 1/4	14	4	UR-150	82	34	31	820	CR-150	82	34	31	820	HR-150	130	54	33	800	DR-150	34	57	33	68	70	34	57	33	68	70
200,000	2,000	3-8"	1-1/2"	8 1/4	× 6 1/4	14	4	UR-200	88	34	31	880	CR-200	88	34	31	880	HR-200	130	54	33	820	DR-200	34	57	33	68	70	34	57	33	68	70
250,000	2,200	3-8"	1-1/2"	8 1/4	× 6 1/4	14	4	UR-250	92	34	31	920	CR-250	92	34	31	920	HR-250	130	54	33	840	DR-250	34	57	33	68	70	34	57	33	68	70
300,000	2,400	3-8"	1-1/2"	8 1/4	× 6 1/4	14	4	UR-300	96	34	31	960	CR-300	96	34	31	960	HR-300	130	54	33	860	DR-300	34	57	33	68	70	34	57	33	68	70
400,000	3,000	3-8"	1-1/2"	8 1/4	× 6 1/4	14	4	UR-400	102	34	31	1020	CR-400	102	34	31	1020	HR-400	130	54	33	900	DR-400	34	57	33	68	70	34	57	33	68	70
500,000	3,500	3-8"	1-1/2"	8 1/4	× 6 1/4	14	4	UR-500	108	34	31	1080	CR-500	108	34	31	1080	HR-500	130	54	33	940	DR-500	34	57	33	68	70	34	57	33	68	70
600,000	4,000	3-8"	1-1/2"	8 1/4	× 6 1/4	14	4	UR-600	114	34	31	1140	CR-600	114	34	31	1140	HR-600	130	54	33	980	DR-600	34	57	33	68	70	34	57	33	68	70
700,000	4,500	3-8"	1-1/2"	8 1/4	× 6 1/4	14	4	UR-700	120	34	31	1200	CR-700	120	34	31	1200	HR-700	130	54	33	1020	DR-700	34	57	33	68	70	34	57	33	68	70
800,000	5,000	3-8"	1-1/2"	8 1/4	× 6 1/4	14	4	UR-800	126	34	31	1260	CR-800	126	34	31	1260	HR-800	130	54	33	1060	DR-800	34	57	33	68	70	34	57	33	68	70
900,000	5,500	3-8"	1-1/2"	8 1/4	× 6 1/4	14	4	UR-900	132	34	31	1320	CR-900	132	34	31	1320	HR-900	130	54	33	1100	DR-900	34	57	33	68	70	34	57	33	68	70
1,000,000	6,000	3-8"	1-1/2"	8 1/4	× 6 1/4	14	4	UR-1000	138	34	31	1380	CR-1000	138	34	31	1380	HR-1000	130	54	33	1140	DR-1000	34	57	33	68	70	34	57	33	68	70
1,200,000	7,000	3-8"	1-1/2"	8 1/4	×																												

Over 2,000,000: Contact factory on needs, custom manufactured

* Draft Inducer is Optional on Refractory-Lined Series

** Specifications and dimensions subject to change without notice. Contact factory for certified dimensions. Some changes currently being considered.