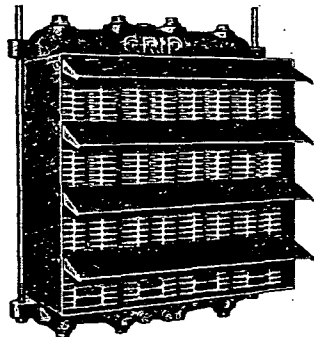


D. J. Murray Manufacturing Co.

Wausau, Wisconsin

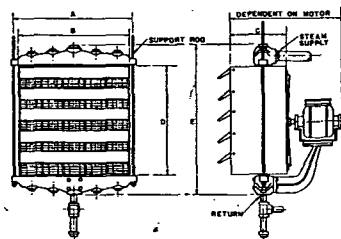
Offices in Principal Cities

MANUFACTURERS OF THE GRID UNIT
AND GRID BLAST COILS



One piece construction "fin" heating sections of high test cast iron—no soldered, brazed, welded or expanded connections. Patented.

Designed and tested to operate with steam or hot water systems for steam pressures from 2 lbs to 250 lbs. Engineered along the same lines as the standard GRID Unit which had aluminum heating sections and has been on the market since 1929.



Overall dimensions for installation of Cast Iron GRID Unit Heater

CI (CAST IRON) SERIES GRID UNIT HEATER DATA

Model No.	Dimensions					Motor		Vol. Fan Cfm	Capacities 5 Psi Steam 60° F		Approx. Shipp. Wt. Lbs.	Pipe Size		Support Rod Diam.
	A	B	C	D	E	Hp	Rpm		Btu/Hr	Final Air T.M.P.F		Supply	Return	
CI-1000	11 1/4	10 1/2	12 1/4	10 1/4	16	1/20	1750	675	30010	101	160	1 1/4	1 1/4	1/2
CI-1200	14 1/4	13 1/4	12 1/4	13 1/4	19 1/4	1/8	1750	1142	54000	103	230	1 1/4	1 1/4	1/2
CI-1500	17 1/2	15 1/4	12	16	23 1/4	1/8	1750	1500	76500	107	300	1 1/2	1 1/4	1/2
CI-2000	22 1/4	20 1/4	12	21 1/4	28 1/4	1/6	1150	2600	143000	110	500	2	1 1/4	1/2
CI-2504	27 1/2	25 1/4	13	25 1/4	35 1/4	1/4	1150	3300	206000	117	675	2"	1 1/4	3/4
CI-2500	27 1/2	25 1/4	13	25 1/4	35 1/4	1/2	1150	4350	224000	107	700	2"	1 1/4	3/4
CI-3000	32 1/4	31	13	31	40 1/2	1/2	850	6300	332000	108	1025	2 1/2"	1 1/4	3/4
CI-3000	32 1/4	31	13	31	40 1/2	1/2	1150	8000	380000	103	1075	2 1/2"	1 1/4	3/4

*Furnished also with 2 in. top supply connection inlet.

NO ELECTROLYSIS TO CAUSE CORROSION

Low maintenance expense.
More air changes per hour.
Positive "directed" heat.
No leaks—no breakdowns.

Lower outlet temperature.
Larger air volume.
No soldered, brazed or expanded joints.
Open design that keeps units clean.

Send for complete catalog information

Send for information on Blast coils and radiation.

National Heater Co.

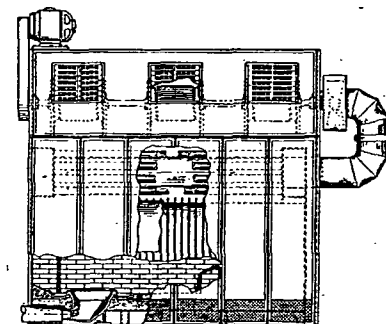
401 Essex Bldg., Minneapolis 2, Minn.



STEEL S-P-A-C-E HEATERS

OIL-GAS-STOKER HAND FIRED UNITS

As shown in diagram these heaters are built as a complete unit consisting of heater, casing, firing equipment, multiple blower assembly, motor, drive, induced draft blower and controls. NATIONAL HEATERS are constructed of welded copper bearing hot rolled one quarter inch boiler plate steel instead of the usual lighter ten guage plate. This provides positive assurance of life-long gas and smoke tight operation with ample provision for absorbing all strains resulting from expansion and contraction.



640,000 to 4,000,000 Btu's

The body of the heat generator is long and narrow in design, allowing complete fuel consumption with properly spaced radiating fins to facilitate maximum heat transmission from this primary heating surface.

Casings are sturdy with insulated double metal walls to reduce wasteful radiation to a minimum. Panel type construction with rigid angle iron frames and structural iron reinforcement at both top and bottom assures a strong durable installation. Casings are designed for quick and convenient assembly.

ENGINEERING RATING CHART

HEATER NUMBER	B.T.U. OUTPUT CAPACITY	S.P. C.F.M. MAX.	GRATE AREA SQ. FT.	SQ. FT. HEATING SURFACE	VOLUME CU. FT. INSIDE HEATER	BLOWER MAXIMUM	BLOWER MOTOR		TUBES		APPROXIMATE WEIGHT LESS STOKER
							H.P. MAX.	RPM.	NO.	DIA.	
300	640,000	8,200	6.5	320	75	18" TWIN	3	1750	2	8"	6,850
350	860,000	11,000	8.0	430	100	18" TWIN	5	1750	2	8"	14,420
500	1,215,000	16,150	12.0	600	130	21" TWIN	7.5	1750	10	4"	15,860
350	2,000,000	32,000	14.7	844	175	21" TRIPLE	10	1750	12	4"	16,810
600	2,500,000	45,000	16.0	1421	315	27" TRIPLE	15	1750	16	4"	20,850
850	3,000,000	52,000	20.0	1685	375	30" TRIPLE	20	1750	16	4"	24,090
700	3,500,000	56,000	24.0	1810	450	30" TRIPLE	25	1750	18	4"	26,340
750	4,000,000	60,000	26.00	1935	450	30" TRIPLE	30	1750	20	4"	28,470