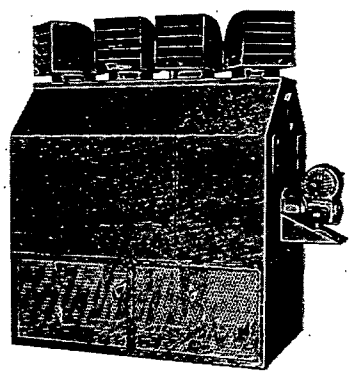
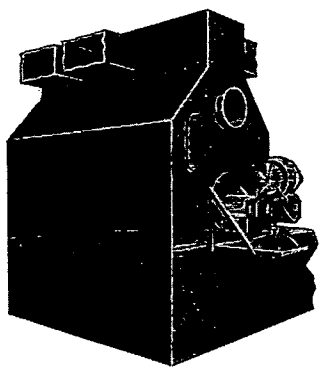
National Heater Company

NATIONAL Champion DIRECT FIRED

2182 Cleora Avenue St. Paul 4, Minnesota

OIL, GAS and COMBINATION GAS-OIL FIRED UNITS 200,000 to 1,500,000 Btu

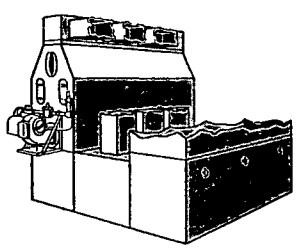




MODEL "H"—Fully self-contained, automatically operated, direct fired unit heaters. Provides working level warm air circulation for factories, foundries, warehouses, garages, hangers and terminals.

MODEL "D"—Meets specific requirements of large central heating systems necessary in theaters, auditoriums, schools, churches, offices, and super markets. Multiple oversize blowers insure positive air delivery against resistance of long supply and return duct runs.

MODEL "S"—Similar to Model "D," equipped with side or rear mounted blower cabinets, these styles are particularly adapted to modulating type of face and by-pass temperature control systems and where head room is limited.



Heater Number	Btu Output Capacity	CFM at ½ in. S.P.	HP Blower Motor	Overall Dimensions			Smoke Outlet	Shipping Weight
				Width	Length	Height		
TD-20	200,000	2,400	¼	28	52	66	10"	950
TD-25	250,000	3,200	¾	28	52	66	10"	1020
TD-30	300,000	4,000	¾	32	60	81	10"	1250
TD-40	400,000	5,400	1	32	60	81	10"	1360
TD-50	500,000	6,600	1½	32	80	81	12"	1600
TD-70	750,000	8,800	2	32	80	81	12"	1850
TD-80	800,000	10,200	3	48	80	81	12"	2310
TD-100	1,000,000	12,500	5	48	80	81	12"	2680
TD-125	1,250,000	15,300	5	54	100	103	14"	3155
TD-150	1,500,000	19,400	7½	54	100	103	14"	3340

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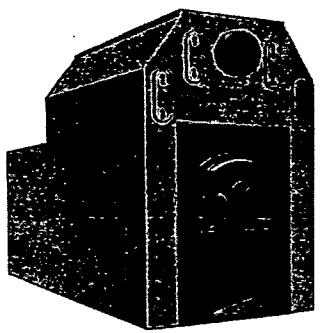

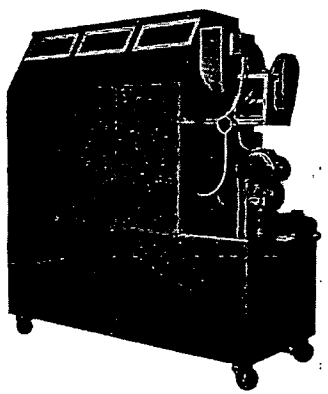

HEAVY DUTY "ALL FUELS" HEATERS

A durable, welded, one-piece steel constructed heater suitable for coal, oil or gas firing and easily converted from one fuel to another. Designed chiefly for central heating systems, drying, and make up air applications. Large firebox with ample flue travel ensures complete fuel combustion with minimum stack loss—giving an unusually high efficiency factor whether stoker, oil or gas fired. Provisions made for relief of internal stresses due to repeated expansion and contraction. Rigid panel type insulated casings are shaped to contour of heaters. Fan capacities listed provide an average 75 deg temperature rise through heater. Blowers or blower-filter-cabinet units can be sized to meet exact requirements of each installation.

PORTABLE HEATING UNIT

A "plug in" portable heating system, self-contained and designed for immediate heat delivery when and where needed. Shipped fully assembled with induced draft blower and built-in oil storage tank, if desired. Smaller models are 28 in. and 32 in. wide. Wired and flame tested at factory.

Heater No.	BTU	CFM	Motor HP	Shipping Wt.
P-200	200,000	3,000	½	840
P-300A	300,000	4,200	¾	950
P-300	300,000	5,000	1	1400
P-500	500,000	7,000	2	1600
P-800	800,000	10,500	3	2060
P-1200	1,200,000	15,000	5	2900
P-1800	1,800,000	23,000	7½	3800

Heater Number	Btu Output Capacity	Sq Ft Heating Surface	CFM at ½ in. S.P.	HP Blower Motor	Overall Dimensions				Smoke Outlet	Weight
					Length	Width	Height	Blower		
#904	400,000	138	5,400	1	64	38	69	50	10"	2,370
#905	500,000	184	6,600	1½	70	48	72	50	10"	2,640
#907	700,000	234	8,800	2	82	48	78	52	12"	3,020
#908	800,000	268	10,000	3	94	48	78	52	12"	3,280
#910	1,000,000	351	12,500	3	118	48	78	70	14"	3,730
#915	1,500,000	519	18,000	5	118	66	96	52	16"	4,880
#920	2,000,000	667	24,000	7½	142	66	96	70	16"	5,920