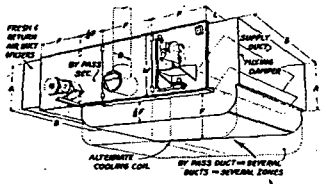
Campbell "WINTER-CHASER"

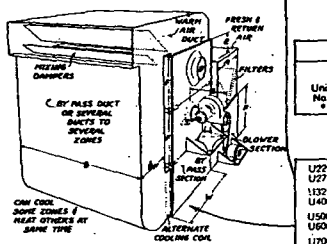
CAMPBELL HEATING CO.

3121 Dean Ave., Des Moines 17, Iowa

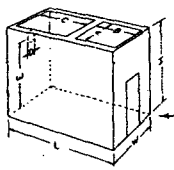
Telephone AMherst 6-5169



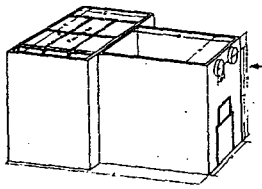
HORIZONTAL UNIT HEATER



HI-BOY UNIT HEATER



LO-BOY HEATER



OUTSTANDING PERFORMANCE

You can be sure of outstanding performance at low cost, when you specify Campbell Warm Air Heaters. Fast heat delivery, positive control of temperature, humidity and ventilation—PLUS—low first cost, low installation cost, and low operating cost, all add up to customer satisfaction.

ENGINEERING SERVICE

Our Engineering Department will be glad to help the consulting engineer or architect solve any heating, ventilating or air conditioning problems or help with layouts and specifications for any large building. Our Engineering Department consists of trained graduate engineers backed by 73 years of practical experience.

HI-BOY & HORIZONTAL UNIT HEATER — OIL & GAS

HEATER							BLOWER‡					
Unit No.	Output Capacity BTU/Hr. †	Heating Surface Sq. Ft.	Steel Thickness Primary	Steel Thickness Secondary	BTU per Sq. Ft. Heating Surface	Grate Area Sq. Ft.	Normal CFM 140° Discha. Temp.	Wheel Diam. x Width Inches	Assumed External Static In. Water	RPM	Motor Size (HP)
U225	225,000	84	14		2700		2750	Twin 13x10½	½	615	½
U275	275,000	84	14		3300		3350	Twin 13x10½		625	¾
U325	325,000	121	12		2700		4000	Twin 13x13		612	¾
U400	400,000	121	12		3300		4900	Twin 13x13		620	1
U500	500,000	182	11		2750		6100	Twin 15x15		580	1
U600	600,000	182	11		3300		7300	Twin 15x15		580	1½
U700	700,000	244	10		2650		8500	Twin 18x18		505	2
U800	800,000	244	10		3300		9800	Twin 18x18		515	2
U950	950,000	334	10		2650		11600	Twin 22x22		448	3
U1100	1,100,000	334	10		3300		13500	Twin 22x22		462	3
U1300	1,300,000	455	10		2650		16000	Twin 25x25		375	3
U1500	1,500,000	455	10		3300		18500	Twin 25x25		390	5

Stainless Gauges — No. 10 Ga. (.14″+)

LO-BOY OIL & GAS FIRED FOR LARGE

H200	235,000	100			2350		2600	Twin 13x10	½	700	½
H250	275,000	125			2200		3300	Twin 13x10		706	¾
H300	340,000	136			2500		4000	18x18		506	¾
H350	400,000	152			2600		4500	18x18		516	1
H400	450,000	167			2700		5300	18x18		536	1½
H500	500,000	200			2750		6600	22x22		463	1½
H600	650,000	240	No. 7 Ga. (⅙″)	No. 10 Ga. (.14″+)	2700		8000	22x22		486	2
H700	750,000	280			2700		9200	Twin 18x18		516	2

8000 SERIES OIL, GAS, STOKER OR HAND FIRED

8032	400,000	133			3000	3.2	5300	22½″	½″	677	1.0
8046	500,000	167				4.6	6600	22½″		760	1½
8060	600,000	200				6.0	8000	27″		547	1½
8074	700,000	233				7.4	9200	27″		588	1½
8075	840,000	280	#3	#7		7.5	11000	30″		521	2
8100	960,000	320				10.0	12500	33″		445	2
8125	1,080,000	360				12.5	14100	36½″		384	2
8150	1,320,000	440				15.0	17300	40½″		351	3
8175	1,440,000	480				17.5	18900	40½″		381	3
8200	1,800,000	600				20.0	23600	44½″		334	5
8250	2,250,000	750				25.0	29500	49″		307	5
8300	2,700,000	900				30.0	35400	54½″		274	5
8350	3,150,000	1050				35.0	41300	54½″		300	7½

* Type A units include Special Oil or Gas Heater, Casing, Blower, Motor, Drive, Filters, Humidifier, and Blower Control but less Burner, Controls and Built-in Combustion Chamber. Type B units include same as Type 'A' plus Oil or Gas Burner and built-in Combustion Chamber and Standard Controls.

† Based on 80% thermal efficiency for oil and gas and 70% for coal. Add 10% to 35% over calculated heat loss for pick-up load and 10% to 15% for duct radiation losses. The higher figure is preferable for best operating economy and life of the equipment.

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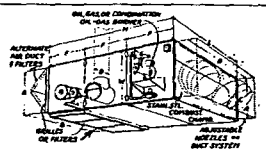
75 F HEATING GUARANTEE

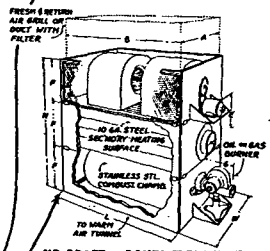
If the heating plant design is approved by our Engineering Department or designed by a Registered Engineer and the heater and blower are furnished by us and are in accordance with our ratings, we will guarantee the heating of all rooms to which warm air is delivered to 75F in the coldest and windiest weather.

10 YEAR DURABILITY GUARANTEE

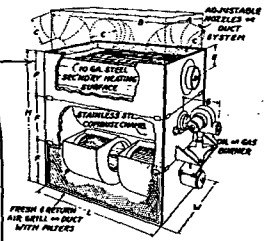
All Campbell Heaters installed as described above are guaranteed for 10 years against repairs from any cause, parts to be furnished free f.o.b. the factory. Motor, humidifier, automatic burner and controls and other parts not manufactured by us carry their manufacturers' guarantee of one year against defects.



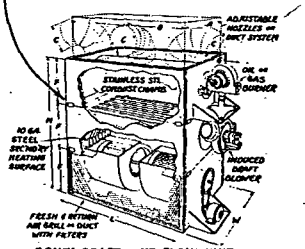
HORIZONTAL UNIT HEATER



UP DRAFT — DOWN FLOW UNIT



UP DRAFT — UP FLOW UNIT



DOWN DRAFT — UP FLOW UNIT

Filters All 2″ Thick Sq. Ft.	MAX. FUEL RATE Oil GPH	1000 BTU Gas CFH	LP Gas GPH	Coal Lbs. Per Hr.	DIMENSIONS Largest Piece if KD ¶ Dimension Inches	Wt. lbs.	A in.	B in.	C in.	D in.	F in.	H in.	L in.	W in.	Approx. Shipping Weight Type A	Type B
CHURCHES, SCHOOLS, COMMERCIAL & INDUSTRIAL BLDGS.																
12.5	2.9	280	2.8		23x45x48	500	19	44	12	9	22	66	48	23	1300	1350
12.5	2.5	350	3.5		23x45x48	500	19	44	14	9	22	66	48	23	1350	1400
14.5	2.9	400	4.0		24x29x54	700	25	50	14	10	24	72	54	29	1700	1750
14.5	3.6	500	5.0		24x29x54	700	25	50	16	10	24	72	54	29	1750	1800
21.0	4.5	625	6.3		28x34x60	1000	30	56	18	12	28	84	60	34	2200	2250
21.0	5.4	750	7.5		28x34x60	1000	30	56	18	12	28	84	60	34	2250	2300
34.0	6.2	875	8.8		33x40x78	1400	36	74	20	14	33	99	78	40	3250	3350
34.0	7.2	1000	10.0		33x40x78	1400	36	74	22	14	33	99	78	40	3300	3400
52.5	8.5	1200	12.0		38x48x108	1900	44	92	24	16	38	108	96	48	4400	4500
52.5	9.8	1375	13.8		38x48x108	1900	44	92	26	16	38	108	96	48	4500	4600
62.5	11.6	1625	16.3		42x54x114	2600	50	110	28	18	42	126	114	54	5800	6000
62.5	13.4	1875	18.8		42x54x114	2600	50	110	30	18	42	126	114	54	6000	6200
RESIDENCES, SMALL CHURCHES, SCHOOLS, ETC.																
9.0	2.1	293	2.9		18x41x30	450	37	25½	26½	8		52	73	41	1700	2100
11.0	2.5	344	3.4		29x41x40	550	37	25½	30½	8		57	85	41	1900	2500
16.5	3.0	425	4.2		29x50x48	600	36	34	38	10		61	87	50	2100	2800
16.5		500	5.0		29x50x48	680	36	34	38	10		61	87	50	2400	3200
16.5	4.0	560	5.6		29x50x48	750	36	34	38	10		61	87	50	2700	3500
22.0	4.5	625	6.2		34x60x48	900	40	36	44	10		74	91	60	3200	4100
25.0	5.8	810	8.1		34x60x54	1100	40	36½	48½	12		76	97	60	3600	4600
33.0	6.7	940	9.4		39x80x54	1250	60	40	50	12		72	104	80	4000	5000
FOR LARGE SCHOOLS, CHURCHES, ETC.																
28.0	3.6	500	5.	45	29½x48x64	650	47	44½	46	2-8	62	66	94½	51	2200	2800
33.0	4.5	625	6.3	56	29½x48x64	650	47	53	46	2-8	62	66	105	51	2450	3200
40.0	5.4	750	7.5	67	29½x48x64	650	47	61½	52	2-9	80	66	126	51	2750	3600
40.0	6.3	875	8.8	78	29½x48x64	650	47	70	56	2-9	80	66	134	51	3000	4200
50.0	7.5	1050	10.5	100	28x72x76	1100	72	76	56	2-9	80	80	140	76	4500	6000
55.0	8.6	1200	12.0	114	28x72x76	1100	72	89	60	2-10	84	80	157	76	5500	7200
66.0	9.7	1350	13.5	129	28x72x76	1100	72	101	71	2-12	92	80	180	76	6500	8500
82.0	11.8	1650	16.5	157	28x72x76	1100	72	114	76	2-12	104	80	198	76	7500	9700
82.0	12.9	1800	18.0	171	28x72x76	1100	72	126	76	2-14	104	80	210	76	9000	11500
125.0	16.1	2250	22.5	214	35x90x95	1700	90	133	86	2-14	108	100	227	94	10000	12700
133.0	20.1	2810	28.0	268	35x90x95	1800	90	152	92	2-16	116	100	252	94	12000	15000
155.0	24.1	3380	33.8	320	40x100x103	2100	100	152	108	2-16	128	118	268	104	15000	18000
194.0	26.1	3940	39.4	375	40x110x113	2400	110	152	108	2-18	128	118	268	114	18000	21000

‡ For other air volumes and static pressures consult our Engineering Department.

¶ Dimensions given are for the heater KD to be assembled and welded in the building. Ordinarily the heater will be put in the building in one piece before the building construction has progressed too far.

§ An induced draft blower can be furnished if a stack or chimney is not available. The gas passages of the heaters are adequate so an inducted draft blower is not ordinarily needed.