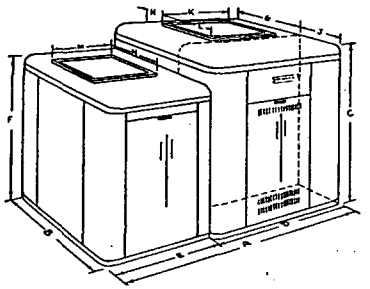
The Henry Furnace & Foundry Company

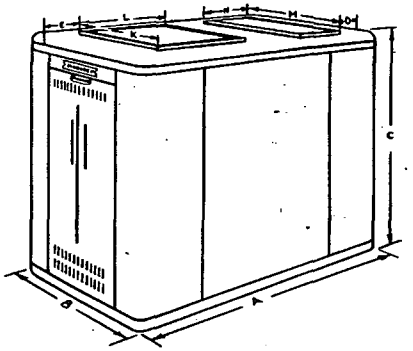
Manufacturers of MONCRIEF Furnaces & Air Conditioning Systems

3471 East 49th Street **Cleveland, Ohio** Phone Michigan 9322



Aristocrat
Oil Fired Air Conditioner

Moncrief Aristocrat and "Special" Oil Fired Winter Air Conditioners, made to operate with any standard Gun Type Burner, and Gas Fired Winter Air Conditioners are available in numerous sizes and capacities. Write for particulars.



C. B. F.
Gas Fired Air Conditioner
Approved by American Gas Association

"SPECIAL" OIL FIRED AIR CONDITIONERS

Unit No.	75	100
Input Gallons per hour	.76	1.02
Size of casing:		
Width	28″	28″
Depth	71″	71″
Height	60⅜″	60⅜″
Blower size	110	112
Motor Hp.	1/6	¼
Heating surface—sq in.	6120	6120
Cfm.	915	1225
No. filters 13 x 25	2	2
Btu Del. at Register	75,000	100,000

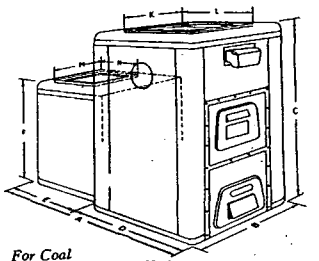
SIZES, CAPACITIES—Aristocrat Oil-Fired Units.

A. C. Unit Size No.	Casing Dimensions									Plenums: Warm Air		Cold Air		Btu Per hour at Reg.	Cfm	Blower Size	Blower Motor Hp	Sq In. Heating Surface	No. of Filters	Size of Filters	Shipping Weight (Approx.)	Input Gal Per Hour
	A	B	C	D	E	F	G	H	J	K	L	M	N									
125	76⅝	51⅜	60⅜	48½	28	51¾	38⅜	5⅜	18	20	28	20	28	125,000	1525	112	¼	8925	4	16x25	1240	1.28
150	76⅝	51⅜	60⅜	48½	28	51¾	38⅜	5⅜	18	24	28	24	28	150,000	1830	114	¼	8925	4	16x25	1265	1.53
175	80½	56¼	60⅜	52½	28	51¾	43¼	5⅜	18	24	32	24	32	175,000	2200	114	⅓	11088	4	16x25	1365	1.8
200	80½	56¼	60⅜	52½	28	51¾	43¼	5⅜	18	24	36	24	36	200,000	2440	114	½	11088	4	16x25	1455	2.04
275	97	64½	64	59	38	51¾	51½	5¾	18	30	40	30	40	275,000	3350	214	¾	13248	6	16x25	2010	2.8

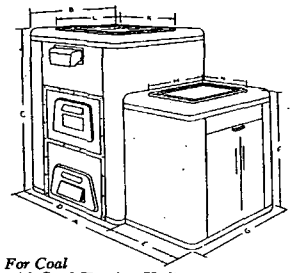
SIZES, CAPACITIES—Gas-Fired C.B.F. Units.

Unit No.	Casing Dimensions					Plenum Size Inches: Warm Air		Cold Air		Btu Input	Btu at Register	Blower Size	Motor Hp	No. of Filters	Filter Size	Cfm Required	Sq In. Heating Surface	Gas Line	No. of Burners	Flue Size
	A	B	C	D	E	K	L	M	N											
C-8	75	20	54	11½	13	14	32	16	14	80,000	61,200	110	1/6	2	16x25	748	5410	1″	2	6″
C-12	75	26	54	11½	13	19	32	22	15	120,000	91,800	112	¼	3	16x25	1124	8115	1″	3	6″
C-16	75	34	54	11½	12	26	34	30	12	160,000	122,400	112	¼	4	16x25	1500	10820	1″	4	7″
C-20	75	41	54	11½	12	32	34	37	12	200,000	153,000	114	⅓	4	16x25	1870	13525	1″	5	8″
C-24	75	49	54	11½	12	40	34	44	12	240,000	183,600	114	½	5	16x25	2244	16230	1″	6	8″
C-32	75	68	54	11½	12	52	34	60	12	320,000	244,800	214	¾	6	16x25	2994	21640	1¼″	8	9″
C-40	75	78¼	54	11½	12	66	34	72	12	400,000	306,000	214	¾	8	16x25	3740	27050	1¼″	10	10″
C-48	75	94½	54	11½	12	80	34	88	12	480,000	367,200	214	1	9	16x25	4480	32460	1¼″	12	11″

Moncrief Aristocrat Coal-Fired Winter Air Conditioners are made with either cast or steel heating elements, in a wide range of sizes. Equipment includes metal floor, blower with motor, filters, controls, damper motor, thermostat and Thermo-Drip Automatic Humidifier, duplex roller-bearing grates—except with triangular grates, at no extra cost (on cast only). If to be used with stoker, grates and controls—except blower control—may be omitted, stokers being equipped with control. Fine-grain crackle finish—green, trimmed with chromium plate.



For Coal
with Cast Heating Unit



For Coal
with Steel Heating Unit

With Cast Heating Element.

Unit Size No.	Casing Dimensions—inches						Plenum Size: Warm air		Cold air		Blower Size	Motor Hp	Sq In. Heating Surface	Grate Area Sq In.	Cfm Required	No. of Filters	Forced Air Register Btu Coal Hand-Fired	Forced Air Register Btu Stoker Fired
	A	B	C	D	E	F	K	L	M	N								
4020	66¼	40¼	62¾	38¼	28	50¾	30	28	30	18	110	⅓	5021	214	967	2	73,800	85,200
4422	68¼	42¼	62¾	38¼	30	50¾	32	28	32	20	112	⅓	5609	269	1157	3	88,300	101,800
4824	70¼	44¼	62¾	40¼	30	50¾	34	30	34	20	112	⅓	6010	326	1330	3	101,600	117,300
5226	78¼	46¼	66	44¼	34	50¾	36	34	36	22	112	½	6753	397	1580	4	120,400	139,000
5628	82¼	48¼	66	48¼	34	50¾	38	38	38	24	114	⅝	7579	472	1840	5	140,300	162,000

With Steel Heating Element.

Unit Size No.	Casing Dimensions—inches							Plenum Size: Warm air		Cold air		Blower Size	Motor Hp	Sq In. Heating Surface	Grate Area Sq In.	Cfm Required	No. of Filters	Forced Air Register Btu Coal Hand-Fired	Forced Air Register Btu Stoker Fired
	A	B	C	D	E	F	G	K	L	M	N								
2054	68¼	40¼	62¾	40¼	28	50¾	35¼	30	30	30	16	110	¼	6226	214	1070	2	81,600	94,200
2254	70¼	44¼	62¾	40¼	30	50¾	39¾	30	34	34	18	112	¼	6499	269	1232	3	94,000	108,400
2456	74¼	46¼	66	40¼	34	50¾	41¼	30	36	36	20	112	¼	6960	330	1424	4	108,700	125,500
2758	74¼	51¼	67¼	40¼	34	50¾	46¼	30	42	42	20	114	⅓	8086	434	1815	5	138,600	160,000
3060	86¼	54¼	69	48¼	38	50¾	49¼	36	42	42	24	212	½	10041	552	2240	5	171,000	197,300
3060J	90¼	54¼	69	52¼	38	50¾	49¼	40	42	42	24	212	½	11480	552	2362	5	180,300	208,000
3462	90¼	60¼	71	48¼	42	50¾	55¼	36	48	48	24	214	¾	11245	730	2800	6	213,800	246,700
3462J	96½	60¼	71	54¼	42	50¾	55¼	42	48	48	24	214	¾	12386	730	2895	6	221,200	255,200

Heating capacities are based on a 7 lb combustion rate using 12,000 Btu coal and efficiencies of —65 per cent at bonnet, 85 per cent register for fan coal hand fired—75 per cent at bonnet, 85 per cent at register for oil or stoker fired.

If 6 lb combustion rate is desired for prolonged firing period deduct approximately 15 per cent from forced air Btu ratings. Maximum velocity through filters, 200 feet per minute.

The Anthracite Winter Air Conditioner consists of a MONCRIEF Unit and a Miles Combustion Modulator.

The outside temperature is correlated with the warm air temperature to affect a Graduated Room Temperature, 68 deg in mild weather and 78 deg in zero weather.

Constant Modulated Heat Supply eliminates COLD 70 and complicated control equipment. Write for particulars.

NOTE: Made with either the Moncrief Cast or Steel Aristocrat Air Conditioner.