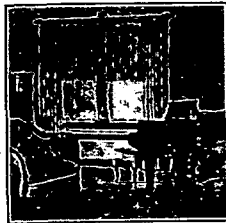


Circular Heat, Inc.

215 Central Avenue
Louisville, Ky.

50 Church Street
New York

1916 Builders Bldg.
Chicago



Circular is a new method of heating for use with hot water, steam or vapor systems which economically produces a uniform, comfortable, healthful temperature by scientifically using induced circulation of air.

The Circular Heat Unit uses only a fraction of the space required normally for room heating equipment and consists of a carefully designed seamless copper tube on which are pressed die-stamped fins evenly spaced. It is mounted in a heavy metal protective casing.

Circular Units are available in various widths and lengths and may be concealed in walls, under windows or in partition walls with high stacks. The higher the stack, within practical limits, the greater the capacity of the heater. Also furnished in cabinets.

The concealed Circular heater is usually plastered over but removable plaster wall panel may be supplied to provide ready access to heater, piping and valve. This panel is plastered on the job when the wall is plastered and is invisible when the wall is finished.

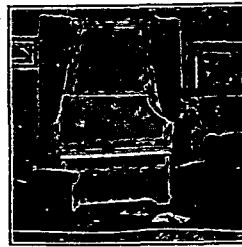
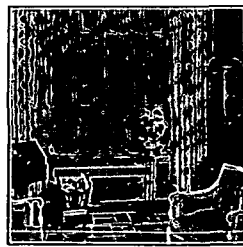
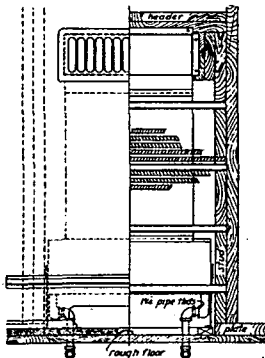
Circular Heat Units are rated in equivalent square feet of cast iron radiation. All ratings are based on 240 B.t.u. per square foot and were established by actual condensation tests. Capacities depend upon (1) Type of Heater, (2) Length of Heater and (3) Height of stack.

The type of heater to be used is determined by the thickness of wall or partition in which it is to be installed. The No. 4 heater is designed for use in walls between 2 x 4 in. studding; the No. 6 between 2 x 6 in. studding; the No. 8 between 2 x 8 in. studding and the No. 16 in window seats, under floors and in walls permitting a recess 16 in. deep. The Circular Cabinet is furnished in two types: Standard and Double Capacity. The No. 8 Heater is used in the Standard Cabinet, and the No. 16 Heater in the Double Capacity Cabinet.

The Standard and Double Capacity Cabinets are made in three heights, 20, 26 and 38 inches, and seven lengths of 19, 25, 31, 37, 43, 49 and 55 inches, a total of 42 sizes with a wide range of capacities to meet any heating requirement. All Standard Cabinets are 9 inches deep and Double Capacity 17 inches deep. For a given size the Double Capacity Cabinet has twice the capacity of the Standard Cabinet.

All Cabinets are finished in priming coat unless otherwise specified. Special mahogany, walnut or oak wood grain finish can be furnished at an additional charge.

The concealed types are readily adapted to any decorative scheme, have the advantage of permitting full use of floor space and at the



same time secure a uniform distribution of heat throughout the zone occupancy so that the temperature variation between floor and ceiling is only 5 deg.

Circular in the cabinet types affords all of the advantages of this improved method of heating and fits in nicely with any decorative treatment desired and in the use of this scientific method of heating the occupants of a building reap the benefit of comfort, health, convenience and economy.

Engineering data sheets with piping details are available to architects, engineers and heating contractors. Examples of capacity tables for several styles of heaters are shown. Additional data sheets for A. I. A. file 30c4 cover the complete line of Circular Convection Heaters.

CAPACITY TABLES FOR CIRCULAR HEATERS

Overall Height	No. 4 CONCEALED TYPE						
	For installation between 2 x 4 Studs						
	Length of Heater						
	12"	18"	24"	30"	36"	42"	48"
Overall Length between End Trappings							
	18"	24"	30"	36"	42"	48"	54"
20"	8.0	12.0	16.0	20.0	24.0	28.0	32.0
25"	9.3	14.0	18.7	23.3	28.0	32.7	37.3
30"	10.7	16.0	21.1	26.7	32.0	37.4	42.3
35"	12.0	18.0	24.0	30.0	36.0	42.0	48.0
40"	13.1	19.6	26.2	32.7	39.2	45.8	52.4
45"	14.2	21.2	28.4	35.5	42.5	49.7	56.8
50"	15.2	22.8	30.1	38.0	45.5	53.2	60.8
55"	15.9	23.8	31.8	39.7	47.7	55.6	63.6
60"	16.8	25.2	33.0	42.0	50.5	58.7	66.0
65"	17.4	26.0	34.4	43.3	52.1	60.6	68.8
70"	17.9	26.8	35.8	44.7	53.7	62.6	71.6
75"	18.3	27.4	36.6	45.7	55.0	64.0	73.2
80"	18.7	28.0	37.4	46.7	56.2	65.4	74.8
85"	19.0	28.5	38.0	47.5	57.0	66.5	76.0

Overall Height	No. 6 CONCEALED TYPE						
	For installation between 2 x 6 Studs						
	Length of Heater						
	12"	18"	24"	30"	36"	42"	48"
Overall Length between End Trappings							
	18"	24"	30"	36"	42"	48"	54"
20"	10.0	15.0	20.0	25.0	30.0	35.0	40.0
25"	11.1	16.6	22.2	27.7	33.2	38.8	44.3
30"	12.6	18.9	25.3	31.6	37.9	44.2	50.6
35"	14.1	21.1	28.1	35.1	42.1	49.1	56.2
40"	15.3	23.0	30.6	38.3	45.9	53.6	61.3
45"	16.5	24.7	32.9	41.2	49.4	57.6	65.8
50"	17.6	26.3	35.1	43.9	52.7	61.5	70.2
55"	18.5	27.7	37.0	46.2	55.4	64.7	73.9
60"	19.3	29.0	38.7	48.4	58.0	67.7	77.4
65"	20.1	30.1	40.1	50.2	60.2	70.2	80.2
70"	20.8	31.3	41.7	52.1	62.5	72.9	83.4
75"	21.5	32.3	43.0	53.8	64.5	75.3	86.0
80"	22.1	33.1	44.1	55.2	66.2	77.2	88.2
85"	22.5	33.7	44.9	56.2	67.4	78.7	89.9

Overall Height	No. 8 CONCEALED TYPE						
	For installation between 2 x 8 Studs						
	Length of Heater						
	12"	18"	24"	30"	36"	42"	48"
Overall Length between End Trappings							
	18"	24"	30"	36"	42"	48"	54"
20"	12.0	18.0	24.0	30.0	36.0	42.0	48.0
25"	14.2	21.3	28.4	35.5	42.5	49.7	56.8
30"	15.8	23.7	31.6	39.5	47.4	55.3	63.2
35"	17.3	26.0	34.6	43.3	51.8	60.6	69.2
40"	18.5	27.8	37.0	46.3	55.5	64.8	74.0
45"	19.7	29.6	39.4	49.3	59.1	69.0	78.8
50"	20.8	31.2	41.6	52.0	62.4	72.8	83.2
55"	21.8	32.7	43.6	54.5	65.4	76.3	87.2
60"	22.7	34.1	45.4	56.8	68.2	79.5	89.6
65"	23.6	35.4	47.2	59.0	71.0	82.6	94.4
70"	24.6	36.9	49.2	61.5	73.8	86.1	98.4
75"	25.1	37.7	51.0	62.8	75.4	87.9	100.2
80"	25.8	38.7	51.6	64.5	77.4	90.3	103.2
85"	26.1	39.2	52.2	65.3	78.4	91.4	104.4

Overall Height	No. 16 CONCEALED TYPE						
	For Walls permitting a 16 in. Recess						
	Length of Heater						
	12"	18"	24"	30"	36"	42"	48"
Overall Length between End Trappings							
	18"	24"	30"	36"	42"	48"	54"
20"	24.0	36.0	48.0	60.0	72.0	84.0	96.0
25"	28.4	42.6	56.8	71.0	83.0	99.4	113.6
30"	31.6	47.4	63.2	79.0	94.8	110.6	126.4
35"	34.6	52.0	69.2	86.6	103.6	121.2	138.4
40"	37.0	55.6	74.0	92.6	111.0	129.6	148.0
45"	39.4	59.2	78.8	98.6	118.2	138.0	157.6
50"	41.6	63.4	83.2	104.0	124.8	145.6	166.4
55"	43.6	65.4	87.2	109.0	130.8	152.6	174.4
60"	45.4	68.2	90.8	113.6	136.4	159.0	179.2
65"	47.2	70.8	94.4	118.0	142.0	165.2	188.8
70"	48.5	73.8	98.4	123.0	147.6	172.2	196.8
75"	50.2	75.4	102.0	125.6	150.8	175.8	200.4
80"	51.6	77.4	103.2	129.0	154.8	180.6	206.4
85"	52.2	78.4	104.4	130.6	156.8	182.8	208.8

Note.—Standard sizes shown in bold type; other heights as shown in tables can be furnished at a small additional cost.

STANDARD CABINET WITH No. 8 HEATER				
Length of Heater	Overall Length of Cabinet	Capacities		
		Heights of Cabinets		
		20"	26"	38"
12"	19"	12.0	14.7	18.3
18"	25"	18.0	22.0	27.5
24"	31"	24.0	29.4	36.6
30"	37"	30.0	36.8	45.7
36"	43"	36.0	44.0	55.0
42"	49"	42.0	51.4	64.1
48"	55"	48.0	58.8	73.2

Depth of Standard Cabinet is 9 inches for all sizes.

DOUBLE CAPACITY CABINET WITH No. 16 HEATER				
Length of Heater	Overall Length of Cabinet	Capacities		
		Heights of Cabinets		
		20"	26"	38"
12"	19"	24.0	27.0	34.0
18"	25"	36.0	40.0	51.0
24"	31"	48.0	55.0	68.0
30"	37"	60.0	67.0	85.0
36"	43"	72.0	82.0	103.0
42"	49"	84.0	95.0	119.0
48"	55"	96.0	109.0	137.0

Depth of Double Capacity Cabinet is 17 inches for all sizes.

Heaters are tapped at both ends. Supply and Return Tappings are also provided underneath heaters for use when recess space is restricted.