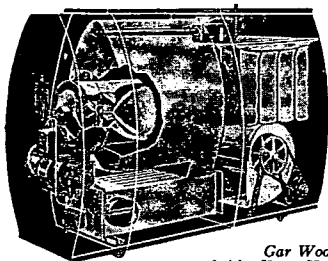


Gar Wood Industries, Inc.

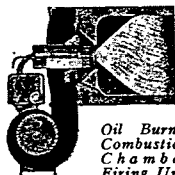
7924 Riopelle Street
Detroit, Michigan



Gar Wood
Tempered-Aire Home Unit

absorbs a maximum of heat from the economizer surfaces.

The burner and firebox combustion chamber are built together as an actual unit, with the back end of the firebox forming a windbox containing air for combustion at sufficient pressure to offset the effect of draft variations. Air from the windbox passes through metering chutes, set at an angle to cause rotation. Both air and oil rotate and intermingle in a conical spray, resulting in a definitely controlled flame entirely contained within the firebox.



Oil Burner
Combustion
Chamber
Firing Unit

TEMPERED-AIRE UNITS

A high efficiency, direct fired heating unit incorporating a large-volume firebox, an integral economizer, a coordinated oil burner combustion chamber firing unit, a flash type humidifier, washable cloth filters, and a low speed rubber mounted blower.

The primary transfer of heat occurs in the large firebox, having its outlet at the bottom, through which the hot gases pass down into the economizer. Here the gases divide into long thin slices, within the economizer tubes. Each tube is swept at high velocity by cold return air from the blower. The rapidly flowing cool air

Ratings and Dimensions	No. 001	No. 101	No. 201	No. 301	No. 401	No. 501
B.T.U. 1 Hour at Bonnet	85,000	100,000	135,000	200,000	300,000	400,000
B.T.U. 1 Hour at Grilles	68,000	80,000	110,000	160,000	240,000	320,000
*Air Delivery C.F.M.	850	1,000	1,350	2,000	3,000	4,000
Heating Surface, Sq. Ft.	40	54 1/2	64	86	124	164
Firebox Volume, Cu. Ft.	6 1/2	11	13	15	22	29 1/2
Filter Area, Sq. Ft.	30	30	48	52	78	78
Motor H.P.—Blower	1/6	1/5	1/4	3/4	1	1
Overall Length, Inches	71	77	83	89	116	131
Overall Width, Inches	29 1/4	32	32	36 3/8	45	45
Overall Height, Inches	48	54	54	57	65	65
Dimension—Supply Opening	28 3/4" x 14 1/4"	35" x 16 3/4"	36 1/2" x 16 3/4"	36 3/4" x 16 3/4"	50" x 21 1/4"	65" x 21 1/4"
Dimension—Return Opening	28 3/4" x 14 1/4"	28 1/2" x 16 3/4"	32 1/2" x 16 3/4"	36" x 16 3/4"	47 1/4" x 21 1/4"	47 1/4" x 21 1/4"
Blower Wheel, Size	10" x 10"	12" x 12"	14" x 14"	16" x 16"	20" x 20"	20" x 20"
Shipping Weight, Pounds	760	900	1,000	1,200	1,500	1,800
Stack Connection, Diameter	7"	7"	8"	9"	10"	10"
Recommended Chimney Size	8" x 12" x 30'	8" x 12" x 30'	8" x 12" x 30'	12" x 12" x 35'	12" x 16" x 40'	12" x 16" x 40'

*Ratings based on 160° bonnet temperature and 68° return temperature. Greater air deliveries with correspondingly lower bonnet temperatures may be had by the use of larger blower motors.

SERIES "R" BOILER-BURNER UNITS

Series "R"	R1000	R1400	R1800
Burner Model	D	D	D
Oil Jet Size—Gal. per Hr.	3.50	5.00	6.50
Max. Net Steam Load, Sq. Ft.	1000	1400	1800
Max. Net Hot Water Load, Sq. Ft.	1600	2240	2880
Max. Gross Steam Load, Sq. Ft.	1500	2100	2700
Max. Gross Hot Water Load, Sq. Ft.	2400	3360	4320
Heating Surface, Sq. Ft.	84	118	154
Size Steam Nozzle	4"	2 1/2"	2 3/4"
Size Return Connections	2 1/2"	2 1/2"	2 3/4"
Overall Height, Jacket	68 3/4"	68 3/4"	68 3/4"
Overall Width, Jacket	37 1/4"	37 1/4"	37 1/4"
Overall Length, Jacket	59 1/4"	66	80
Height Steam Nozzle	68 3/4"	68 3/4"	68 3/4"
Height Return Connections	29 7/8"	29 7/8"	29 7/8"
Height External Heater Connection	43 3/8"	43 3/8"	43 3/8"
Height Mean Water Line	47 3/8"	49 1/4"	49 1/4"
Height Smoke Pipe Adapter	40	40	40
Hor. Distance Between Returns	7	7	7
Hor. Distance Between Steam Nozzles	12"	18	18
Stack Size	12" x 16" x 40'	12" x 16" x 45'	16" x 16" x 45'
Recommended Chimney Size	52	69	91
Water Capacity, Gals.	2200	2500	2950
Shipping Weight, Lbs.			



SERIES "R"

The series "R" Boiler-Burner Units are designed for larger installations where their separate boiler shells and fireboxes facilitate rigging and erection.

GAS-FIRED AIR CONDITIONING UNITS



Gas-Fired
Vertical Unit

Three basic, high efficiency heat exchanger sections are used singly and in multiple to produce the nine different furnace units listed below. The horizontal types, approximately 4 feet in height, are ideal for basements with low ceilings. The vertical types occupy small floor space, and are particularly suitable for installation in heater utility rooms located on the first floor, where space is limited.

The horizontal units feature the Gar Wood washable cloth filters for economy and collection of fine dust. An exclusive built-in diverter protects against varying and erratic drafts. A new humidifier provides adequate humidity. Canvas couplings for the air bonnets prevent sound telegraphing to the duct work. The large sized, slow speed, ball bearing, rubber mounted and canvas connected blower is driven by a hinge mounted motor with an adjustable speed pulley and built-in overload protection. These features assure adequate delivery of warm air throughout the house, and silent operation.

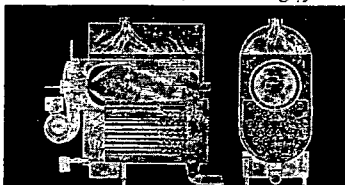
Important—When ordering, specify B.T.U. content of gas. Vertical types arranged for bottom inlet of return air when specified on original order.

Model	1 Input	1 Out- put	1 Room Delivery	2 Heating Surface	3 Air Delivery	4 Blower Motor	5 Blower Size	5 Flue Size	L In.	W In.	H In.	5 Supply Opening	5 Return Opening	6 Ship. Weight
60V	60	48	40	21 1/2	480	1/6	10x10	6	27 1/2	24 1/2	68 1/4	22 1/2 x 17	22 1/2 x 25	320
84V	84	67	56	29	675	1/6	10x10	6	33 1/2	24 1/2	68 1/4	22 1/2 x 23	22 1/2 x 32	345
120V	120	96	80	40 1/2	960	1/5	12x12	7	42 1/2	24 1/2	68 1/4	22 1/2 x 31	22 1/2 x 40	375
84H	84	67	56	29	675	1/6	10x10	6	6 1/2	22 1/2	54 1/2	20 1/2 x 22	20 1/2 x 27 1/2	385
120H	120	96	80	40 1/2	960	1/5	12x12	7	70 1/2	22 1/2	54 1/2	20 1/2 x 31	20 1/2 x 27 1/2	415
168H	168	134	112	58	1340	1/4	14x14	8	54 1/2	36 1/2	84 1/4	26 1/2 x 31	26 1/2 x 40	570
240H	240	192	160	81	1920	1/3	16x16	9	75 1/2	38 1/2	104 1/4	36 1/2 x 31	36 1/2 x 40	715
360H	360	288	240	121 1/2	2880	2-1/4	2-14x14	10	77 1/2	54 1/2	114 1/4	52 1/2 x 31	52 1/2 x 31	750
480H	480	384	320	162	3840	2-1/3	2-16x16	11	77 1/2	70 1/2	124 1/4	70 1/2 x 31	70 1/2 x 31	900

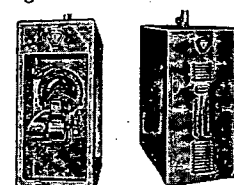
1-1000 BTU/HR 2-Sq. ft. 3-CFM 4-HP 5-Inches 6-Pounds.

SERIES "B" BOILER-BURNER UNITS

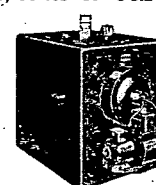
For steam and hot water heating systems. Eight sizes: Series "B" 5 sizes; Series "R" 3 sizes



Cross-sectional view of Models 155, 180 and 270



Models 155, 180 and 270



Models 120 and 165

Series "B"	B-120-W	B-135-S or W	B-165-W	B-180-S or W	B-270-S or W
Boiler Nozzle Output B.T.U./Hr.	120,000	135,000	165,000	180,000	270,000
Net Load Rating B.T.U./Hr.	80,000	90,000	110,000	120,000	180,000
Boiler Nozzle Output Sq. Ft. 240 B.T.U./Hr.	—	562	—	750	1125
Steam Radiation	—	—	—	—	—
Boiler Nozzle Output, Sq. Ft. 150 B.T.U./Hr.	800	900	1100	1200	1800
Hot Water Radiation	—	—	—	—	—
Net Load Capacity 240 B.T.U./Hr. Steam	—	375	—	500	750
Radiation	—	—	—	—	—
Net Load Capacity 200 B.T.U./Hr. Hot Water	400	450	550	600	900
Radiation	—	—	—	—	—
Net Load Capacity 150 B.T.U./Hr. Hot Water	333	600	733	800	1200
Radiation	35	40	50	46	64
Heating Surface, Sq. Ft.	120	135	165	180	270
Oil Jet Size, G.P.H.	"O"	"O"	"O"	"O"	"O"
Burner Type	1-3"	1-3"	1-3"	1-3"	1-4"
Size Steam Nozzle	1-3"	1-3"	1-3"	1-3"	1-4"
Size Return Connection	1-3"	1-3"	1-3"	1-3"	1-4"
Stack Size	7"	8"	8"	8"	9"
Recommended Chimney Size	8" x 12" x 30'	8" x 12" x 30'	8" x 12" x 35'	12" x 12" x 35'	12" x 16" x 40
Water Capacity, Gallons—Steam	—	40	—	46	64
Water	14	51	20	64	88
Internal Tankless Water Heater (Dual Coil)	—	—	—	200*	200*
Internal Tank Type Water Heater (Single Coil)	—	30*	—	30*	30*
Shipping Weight—Pounds	885	1000	1100	1300	1585

*Gallons per Hour 80° Temperature Rise at 180° Boiler Temperature.