

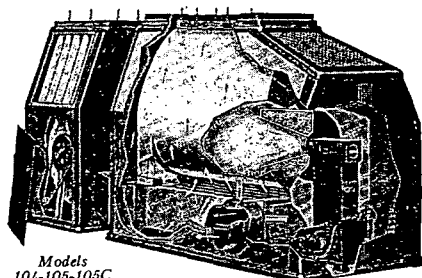
Gar Wood Industries, Inc.

AIR CONDITIONING DIVISION

Gar Wood

7924 Riopelle St., Detroit, Mich.

Licensed Distributors in All Principal Cities



Models
104-105-105C

ped with an integral pressure atomizing type oil burner. The humidifier is a steam tube within the firebox, assuring simple and prompt humidification.

The new line of Tempered-Aire units (Models 101, 201, 301) have many improvements including the new Model "O" oil burner and new cabinet design (see cut opposite). The oil burner starts, operates and cuts off smoothly even with widely varying draft conditions. Combustion is clean, quiet and efficient, due to the improved manner in which the air and oil are mixed to make a sunburst shaped flame. CO₂ is exceptionally high, and even greater economy than previous models is assured.

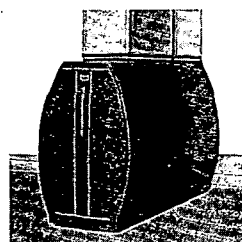
TEMPERED-AIRE UNIT

The Tempered-Aire heating and air-conditioning equipment made in six (6) capacities, consists of filters, blower, burner, humidifier, and oil furnace engineered into one compact, coordinated system.

Clean, humidified, warmed air is delivered from the unit to the duct system and then uniformly distributed to all parts of the building.

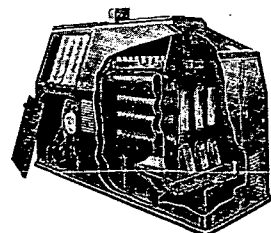
Air is cleaned by dry cloth filters and circulated by a multiple-blade blower fan. The heating unit is a down-draft, warm-air furnace equip-

Models
No. 101
201
301



Tempered-Aire Ratings and Dimensions	No. 101	No. 201	No. 301	No. 104	No. 105	No. 105-C
Btu 1 Hour at Bonnet	100,000	135,000	200,000	225,000	300,000	400,000
Btu 1 Hour at Grilles	80,000	110,000	160,000	185,000	245,000	
Air Delivery CFM	1,000	1,350	2,000	2,250	3,000	4,000
Air Temperature at Bonnet	160°	160°	160°	160°	160°	160°
Oil Rate, Gallons 1 Hour	1.00	1.35	2.00	2.25	3.00	4.00
Heating Surface, Sq Ft	54 1/2	64	86 1/4	176	220	220
Filter Area, Sq Ft	30	30	40	60	77	77
Motor Horse Power—Burner	1/6	1/6	1/6	1/6	1/6	1/4
Motor Horse Power—Blower	1/5	1/5	1/3	1/2	3/4	1
Over all Length, Inches	77 1/2	82 3/4	92 3/4	140 1/4	156 1/4	156 1/4
Over all Width, Inches	32	32	32	38	38	38
Over all Height, Inches	54	54	54	64	64	64

GAS FIRED TEMPERED-AIRE

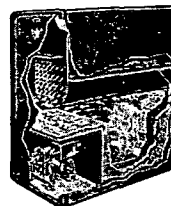


Built in a single unit, it provides air filtering, blower circulation, humidifying and heating. Furnace is made of heavy gauge copper bearing steel. Thermostatically operated.

Safety controls give full protection. Approved by Amer. Gas Assoc.

	No. 90	No. 120
AGA Input, Btu per hour	135,000	180,000
AGA Output, Btu per hour	101,250	135,000
Grille Delivery Btu per hour	90,000	120,000
Air Delivery CFM	900-1425	1200-1900
Filter Surface Sq Ft	34	54
Blower Motor Size	1/5 hp	1/5 hp
Blower Motor Current Consump.	250 Watts	250 Watts
Overall Length, Inches	96 1/2	96 1/2
Overall Width, Inches	40	40

MODEL "R" BOILER-BURNER UNIT



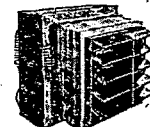
A compact firetube steam or hot water heating boiler, with an integral oil burner.

Boiler built of heavy rust-resisting boiler plate, electrically welded. The combustion chamber walls are carried clear to the crown sheet. The result is a considerably higher temperature of fire than is found in the conventional boiler, and better combustion of No. 3 oil.

Since there are no water legs, the bulk of the heating surface is concentrated in the firetubes, or secondary heating surface, resulting in maximum extraction of heat from the hot gas which leaves the firebox and consequent low stack temperature, high efficiency and operating economy.

Burner Model	R500 H	R750 H	R1000 D	R1400 D	R1800 D
Firing Rate—Gal per Hour	1.65	2.50	3.25	4.50	6.00
Maximum Net Steam Load—Sq Ft	500	750	1000	1400	1800
Maximum Net Hot Water Load—Sq Ft	800	1200	1600	2240	2880
Maximum Gross Steam Load—Sq Ft	750	1125	1500	2100	2700
Maximum Gross Hot Water Load—Sq Ft	1200	1800	2400	3360	4320
Heating Surface—Sq Ft	52	68	84	118	154
Overall width—Jacket	30 3/4	30 3/4	37 1/4	37 1/4	37 1/4
Overall Length—Jacket	53	65	59 1/4	66	80

VENTILATOR



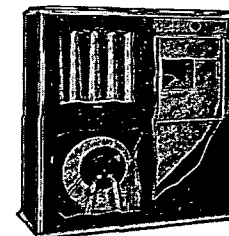
A silent operating ventilator—attic or commercial use. Ventilator consists of belt-driven propeller type fan; electric motor with overload protection; metal housing; automatic shutter; insect screen; canvas connection and clamps; suspension springs.

8 Sizes: 20 in. to 60 in. CFM: 3500 to 30,000.

INDIRECT AIR CONDITIONING EQUIPMENT

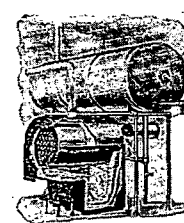
Made in eight (8) sizes. Consists of a compact cabinet unit containing cloth air filter and vapor mist filter, blower, humidifying chamber, and indirect, blast heater.

While designed particularly for use with Gar Wood Boiler-Burner Units (steam, vapor, or hot water), the air conditioning unit may be used effectively with any adequate existing plant.



OIL-FIRED WATER HEATERS

Commercial Type—An attractive,

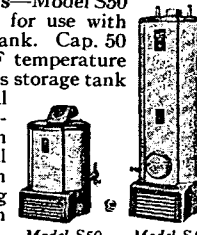


quiet operating balanced unit, in 2 sizes. Burns No. 3 fuel oil. Fully automatic. Separate tank.

Capacities: 200 and 300 gal per hour 100 F temperature rise. Over-all widths: 28 1/4 in.; lengths: 49 in.—61 in.

Domestic Types—Model S50

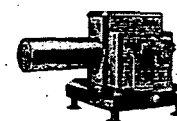
—coil type heater for use with separate storage tank. Cap. 50 gal per hour 100 F temperature rise. Model S40 has storage tank integral. Cap. 40 gal per hour 100 F temperature rise. Both types have vertical rotary burner with only one moving part and for use with No. 2 or lighter oil.



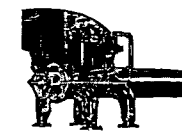
Model S60 Model S40

CONVERSION OIL BURNERS

Highly efficient for installation in existing heating plants. Pressure atomizing type. Simple in design. Handle No. 3 fuel oil. Sturdy, quiet, easily accessible. Fit any shape of firebox.



Model "W"
412-8500 sq ft net
steam radiation.



Model "K"
412-8500 sq ft net
steam radiation.



Model "H"
Up to 625 sq ft net
steam radiation.