PLAINTIFF'S EXHIBIT

ASI-1046

SUNBEAM

WINTERGLO

WINTER AIR CONDITIONER

by AMERICAN-Standard



- oil fired
- durable steel heating element

A *New* UTILITY UNIT FOR SMALL HOMES AND INDIVIDUAL APARTMENTS

AMERICAN-Standard

First in heating . . . first in plumbing

A. I. A. File No. 30-B-1 (October, 1949)

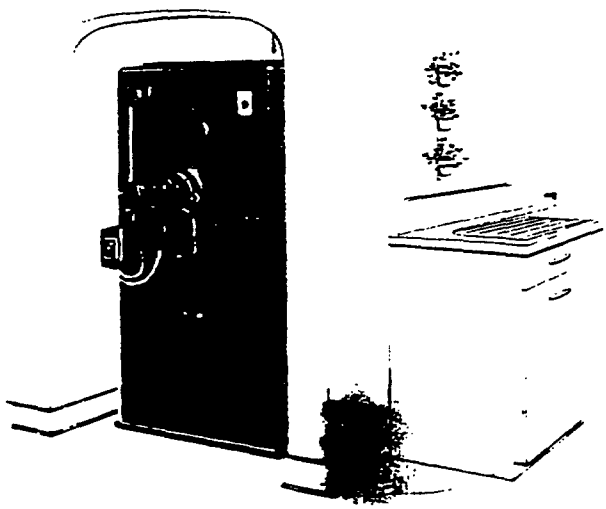
03307

THE WINTERGLO WINTER AIR CONDITIONER

OIL FIRED—FACTORY ASSEMBLED—PRE-WIRED

IN the Winterglo, AMERICAN-Standard presents a welcome new winter air conditioner engineered exclusively to burn oil and designed for installation in a minimum amount of space. The Winterglo is a completely automatic, steel utility unit built to the same high standards for which heating equipment by AMERICAN-Standard has been known for more than half a century. This latest addition to this famous family has all the quality features so evident in the complete SUNBEAM line. The Winterglo is both factory assembled and pre-wired, for ease of installation. Burner, blower assembly, filters and controls are readily accessible from the front of the unit.

This quality-built utility unit, distinctive in its new Forge Red jacket finish, harmonizes with virtually every interior decorating combination. The smooth lustrous surface of its compact modern jacket can be dusted or wiped clean quickly and simply with either a wet or dry cloth. This new unit, coordinated with a special flange type Arcoflame Oil Burner, provides the finest in carefree, completely automatic winter air conditioning. The Winterglo is made in two sizes, to meet small home heating requirements.



The WINTERGLO in a TYPICAL INSTALLATION

The Winterglo, with its special flange type Arcoflame Oil Burner, is listed for closet installation by Underwriters' Laboratories. Approved for less than standard clearance and installation on combustible flooring, this new unit is so compact that it fits perfectly into the smallest amount of space in new construction, or a closet, alcove, an unused corner in kitchen, laundry, utility room or hallway in modernization jobs.

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EASY TO INSTALL

Factory assembled and pre-wired, the Winterglo will pass through standard doorways, can be installed in a fraction of the time previously required for a job of this type. Larger size weighs only slightly more than the average refrigerator or other similar appliance, making installation easy.

COMFORT AT FINGER TIP COMMAND

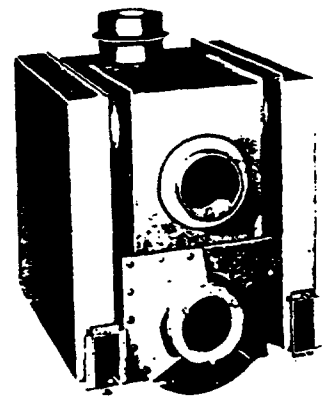
Thermostatic control starts or stops the burner automatically to maintain room temperature at a constant level, gently circulating clean, humidified warm air throughout every room. Set once at the beginning of the heating season, a dependable Detroit thermostat, gracing any inside wall, stands guard over home comfort all winter long. And a master control switch, conveniently located on the front of the unit, permits use of the Winterglo for summer blower operation as well as winter warmth.



STEEL CONSTRUCTION

The Winterglo, a sturdy steel unit built to rigid specifications, provides maximum heating comfort from a minimum of fuel oil burned. Efficiency is obtained from the correctly designed steel heating element. Seams are permanently joined by electric welding, which prevents combustion gases from entering the circulating air. Without sacrificing any of the ruggedness of an efficient and durable unit, the Winterglo is light in weight and economical in operation.

HEATING ELEMENT



Made of heavy gauge steel, the Winterglo heating element is engineered exclusively for oil burning. Seams are welded for strength and are absolutely leakproof. Heating element and other important features of the Winterglo assure real comfort at low cost for a wide range of modern homes and small apartments. Cleanout openings are well proportioned and readily accessible, have easily removable covers for maximum convenience.

COLORFUL NEW JACKET FINISH

The Winterglo features eye appeal as well as utmost utility. Its attractive jacket, distinctive in the new Forge Red finish just perfected by AMERICAN-Standard, has a surface that is smooth and easy to clean, yet hard and unusually resistant to scratches, marring and hard bumps. A warm shade of red, it has a hammered effect that looks like beaten metal, right from the forge . . . a surface that picks up highlights readily, reflects the tones in room furnishings and blends beautifully with surrounding colors. The new Forge Red finish has superior heat stability . . . can be kept clean and new-looking indefinitely with a minimum of effort.

ENGINEERED FOR EFFICIENT · ECONOMICAL · DEPENDABLE HEATING

for small homes—individual apartments—special installations

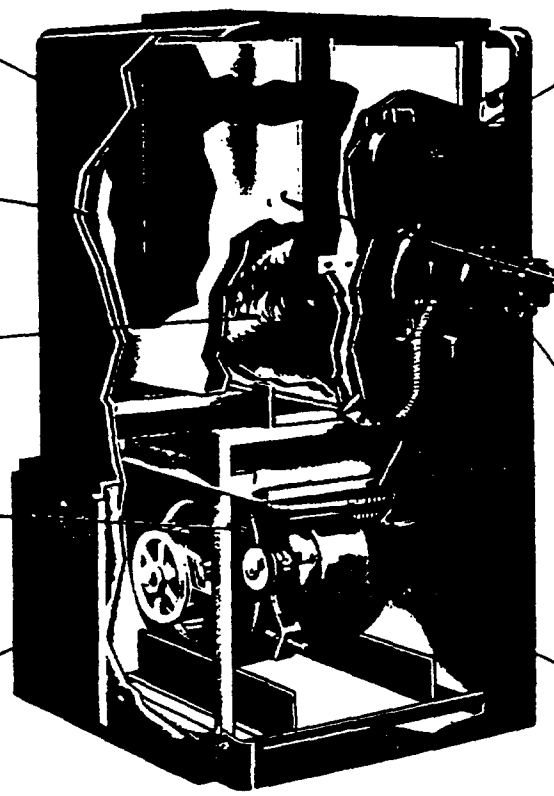
JACKET—smartly styled, in beautiful Forge Red. This smooth hammer type finish will blend and harmonize with the furnishings or decorating plan in any location. All parts are die-cut and formed.

JACKET LINER—minimizes heat loss through the jacket and keeps jacket relatively cool. Improves heat transfer into circulating air.

COMBUSTION CHAMBER—made of heat-resisting stainless steel, specifically designed for each size Winterglo. Design insures maximum life with utmost economy.

BLOWER—of double inlet type with large air handling capacity. Unusually quiet. Equipped with rubber mounted, self-aligning bearings.

FILTERS—effectively remove dust, dirt and other foreign matter from the air. Large filter area is provided. Easily and inexpensively replaced. Frames are located so that filters can be removed from front of unit.



OBSERVATION DOOR—with cover, permits observing flame when desired without disturbing combustion or flame characteristics

SMOKE COLLAR—made of steel, securely welded to radiator. Extends outside of casing

HEATING ELEMENT—heavy gauge steel construction, with welded seams. Designed to provide maximum heating surface. Radiator has unusually long flue travel created by strategically located baffle, and convenient cleanout openings. Maximum heat transfer results.

ARCOFLAME OIL BURNER—specially coordinated flange type. The Arcoflame is efficient and dependable in operation, simple to service. The Winterglo is also available without Arcoflame Oil Burner when specified.

MOTOR—quiet, durable and dependable. Will not cause radio or television interference. Built-in overload protection. Motor pulley is adjustable.

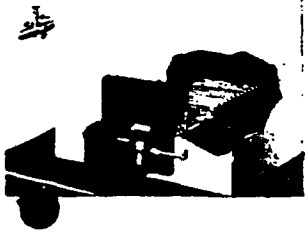
Construction Features

BLOWER UNIT

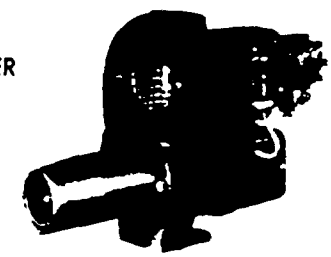
The sturdy blower unit is an integral part of this new winter air conditioner. Double inlet type, with an exceptionally quiet motor, blower handles the required air capacity easily and efficiently. Blower assembly is mounted on rubber, with self-aligning bearings.

AUTOMATIC FLOAT TYPE HUMIDIFIER

Operates by evaporation, with the evaporating surface consisting of a series of "Vapogias" plates set in the evaporator pan fed by a reservoir. The plates are large-pored and properly spaced to assure positive evaporation. The water supply to the reservoir is automatically controlled by a float valve. Both the evaporator pan and plate holder are porcelain enameled inside and out. The number of plates normally supplied may be increased, should additional humidity be desired. Available at small extra cost for installation in the plenum chambers of the Winterglo and all other Winter Air Conditioners by AMERICAN-Standard.



ARCOFLAME OIL BURNER



Furnished as a component part of the Winterglo, the Arcoflame is a quality burner, one of the major reasons for the outstanding efficiency and economy of this new winter air conditioner. Complete dimensional information giving mounting specifications is shown on back page. Ask your Heating Contractor about the Arcoflame Oil Burner today.

BURNS ANY DOMESTIC FUEL OIL

Scientifically engineered, and famous for the hot, clean "sunflower" flame, the Arcoflame Oil Burner is designed specifically to get best results from present day fuel oils. It burns No. 1, No. 2 or No. 3 grade of fuel oil, obtained by either the distillation or the catalytic cracking process, without waste, soot or smoke, providing maximum heat at lowest cost. The Arcoflame is listed by Underwriters' Laboratories and complies with commercial standards CS-75. Although peak efficiency is attained with the Arcoflame, the Winterglo is also available without burner.

NOTE. *Plenum chamber not furnished with either Humidifier or Winter Air Conditioner.*

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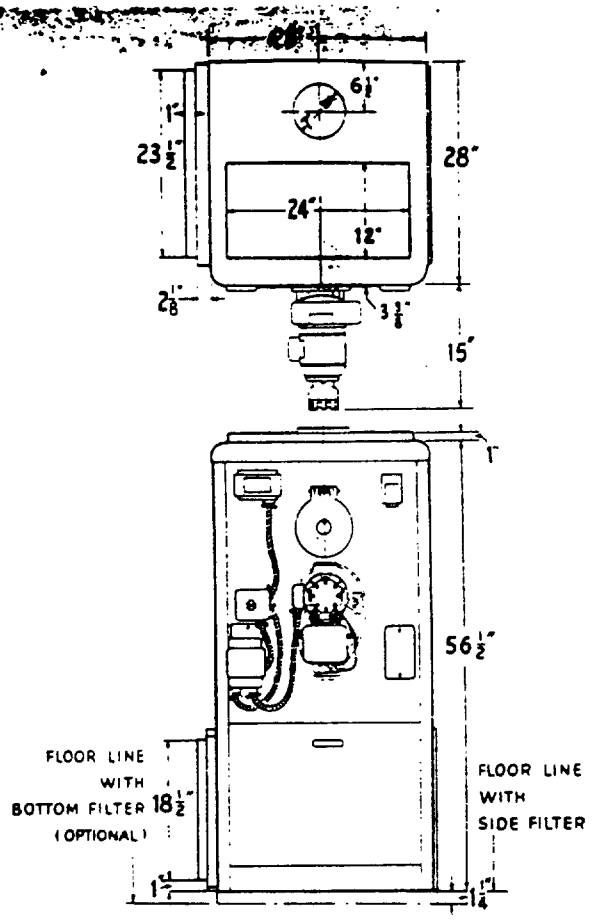
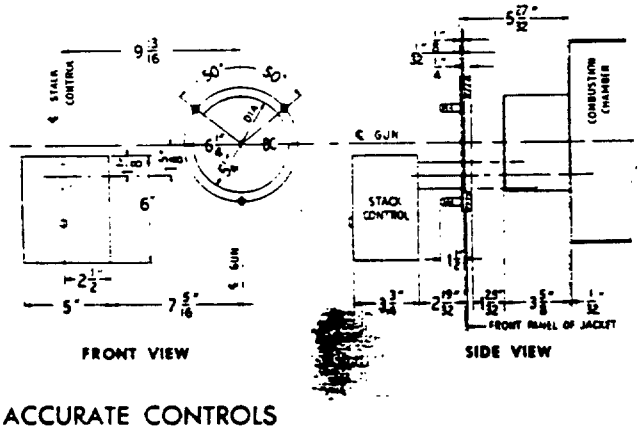


BURNER INSTALLATION DATA

Burner mounting—three ¼-inch studs, as shown below, with sixteen USS threads. Opening for stack control 1½ inches. Only an oil burner which complies with commercial standards CS-75 should be used.



ACCURATE CONTROLS

The controls furnished with the Winterglo are the finest available and provide safe, positive operation. Throughout the heating season, the desired temperature will be maintained within a fraction of one degree.

RATINGS AND DATA

No. of Unit *	Burner Model No. **	Oil Firing Rate Gal per hr	Output Btu per hr Max at Bonnet	cfm rating 85° F Temp Rise .20" Ext Pressure
1203-OB	MF-S	85***	85,000	920
1205-OB	MF-S	1.00	105,000	1130

*When specified less Arcoflame Oil Burner, suffix letter B is omitted.
**Applies only to Arcoflame Oil Burner.
***A one gallon nozzle is supplied—firing rate is obtained with pump factory adjusted for 90 lbs pressure.

No. of Unit	Diam of Blower Wheel Inches	Motor HP	Number and Size of Filters, Inches	Recommended Chimney	
				Size Inches	Height Feet
1203-OB	10½	¼	1 20x25	8x8	20
1205-OB	12	¼	1 20x25	8x8	20

NOTE: Winterglo units are regularly furnished with filter frame which may be located on either side. If desired, and so specified on order, special air filter base for bottom return air inlet will be substituted at no extra charge. When bottom filter frame is used, opening in floor should be 18½ x 23", centered under unit, or 5¼" from sides and 2½" from front and rear inside jacket.

STANDARD EQUIPMENT

The Winterglo has heating element and blower unit enclosed in a single jacket. Standard equipment includes:

- Square metal jacket
- Inner lining
- Model MF-S Arcoflame Oil Burner, flange type, with nozzle
- No. CA-701 Detroit stack control
- No. CA-816 Detroit fan and limit switch
- No. 411-CH Detroit thermostat
- High temperature steel Heat Lib-O-Rator combustion chamber
- Blower, belt and pulleys
- Rubber mounted motor with overload protection
- Air Filter
- Draft stabilizer
- Master control switch

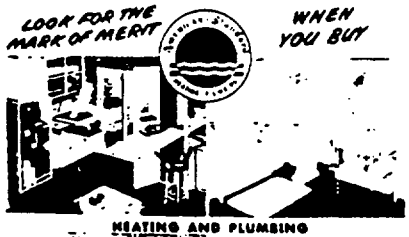
When furnished less Arcoflame Oil Burner, it is recommended that unit be fired at the specified firing rate, and with an oil burner which complies with commercial standards CS-75. Equipment, for the winter air conditioner only, includes heating element with blower unit enclosed in a single jacket, high temperature steel combustion chamber, air filter and master control switch.

CONVENIENT TIME PAYMENTS

The Winterglo, and other warm air heating equipment, like all heating and plumbing products by AMERICAN-Standard, is available for modernization on an easy time payment plan through the Heating and Plumbing Finance Corporation. Your Heating Contractor will tell you about this modern plan and handle all details.

ASK YOUR HEATING CONTRACTOR

For information as to the size of the Winterglo, or other AMERICAN-Standard Heating Equipment, needed for your requirements, as well as details of cost and installation, see your Heating Contractor. He has the expert knowledge and training to give you valuable practical advice, and he will be glad to serve you.



AMERICAN RADIATOR & Standard Sanitary
CORPORATION
PITTSBURGH 30, PA.

AMERICAN-Standard products, including the Winterglo Winter Air Conditioner, are all built to the same uniformly high quality and backed by the technical experience and manufacturing skill of the American Radiator & Standard Sanitary Corporation, a name synonymous with health and comfort.