



SUNBEAM

GRAVITY FURNACES WINTER AIR CONDITIONERS

PRICE BOOK SE-3

DECEMBER 6, 1948

NOTICE

*The Trade Prices shown herein do not include
freight or cartage*

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AMERICAN & **Standard**
RADIATOR & **Sanitary**

CORPORATION
Pittsburgh 30, Pa.

General Terms

AMERICAN-Standard
HEATING EQUIPMENT

General Terms

Illustrations and descriptions of Plate Numbers listed in the price book will be found in the Warm Air Heating Equipment Section of the "AMERICAN-STANDARD" GENERAL CATALOGUE. Items illustrated in the GENERAL CATALOGUE and not included in this price book are discontinued. Items added since the issuance of the last Catalogue Revision are described for identification.

PRICES

All prices herein quoted supersede all prior quotations and are subject to change without notice.

No obligation is assumed by this Corporation to sell to any one holding this book any of the items listed herein at the prices stated.

A minimum invoice charge of forty-five cents (.45) will apply on any item including repair parts.

TAXES

To the prices and terms quoted add any Manufacturers' or Sales Tax payable on the transaction under any effective statute.

TRANSPORTATION CLAIMS

The responsibility of this Corporation ceases upon delivery of goods in good order to transportation companies, and all goods are shipped at consignees' risk.

ORDERS

The Corporation shall not be liable for any delay or failure in the delivery or shipment of products or for any damages suffered by reason of such delay or failure, when such delay or failure is, directly or indirectly, due to fire, flood, accidents, riots, war, embargo, labor stoppages, inadequate transportation facilities, shortage of material or supplies, regulation by Governmental authority, or any cause or causes beyond this Corporation's control.

GUARANTEE

We guarantee goods manufactured by this Corporation to the extent that we shall furnish by freight new parts for any parts of such goods found defective in workmanship or material. No claim for labor in replacing defective parts or other consequential damage will be allowed. All replacement parts for material claimed defective will be invoiced in the usual manner, such invoice being subject to adjustment after alleged defective material has been returned to the Plant for inspection. No materials are to be returned without written permission. Goods of other manufacturers sold by us are not guaranteed by this Corporation.

CLAIMS

No claims under the above guarantee, or for variances from or shortages in orders will be allowed, unless presented within sixty (60) days after receipt of goods.

SPECIAL PRODUCTS

Items of special nature or products requiring special manufacture or supervision are not subject to change or cancellation after production is started.

RETURNED GOODS

Good material of standard manufacture must not be returned for credit without first securing written permission, and when so returned will be subject to a deduction of 10% for re-handling, and all transportation charges, including freight and cartage, will be paid by shipper.

Materials made on special order are not subject to return.

SHIPPING WEIGHTS

Weights are for customers' convenience only, are approximate and not guaranteed.

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General Terms

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Furnace Selection
Information

AMERICAN-Standard
HEATING EQUIPMENT

Furnace Selection
Information

Converting Requirements in Square Inches to Btu

Capacities at Registers

Square Inch Ratings shown for all Sunbeam Gravity Furnaces are based on approximately one-half of capacity being supplied to first floor and one-half to second floor. For conditions where entire demand is all on one floor, or is substantially greater on one floor than the other, convert the square inch requirements of the installation into Btu by the following method:

Multiply square inch requirements of first floor by 111;

Multiply square inch requirements of second floor by 167;

Add the results and select Furnace having Btu capacity at register equal to or greater than the total.

Examples:

1. Assume one story building requires 675 square inches of leader pipe:
 $675 \times 111 = 74,925$ Btu at registers
2. Assume two story building with furnace heating only second floor requires 390 square inches of leader pipe:
 $390 \times 167 = 65,130$ Btu at registers
3. Assume two story building requires 565 square inches of leader pipe on first floor, and 185 square inches on second floor:
 $565 \times 111 = 62,715$ Btu at registers — first floor
 $185 \times 167 = 30,895$ Btu at registers — second floor
 $93,610$ Total Btu at registers

Ratings

Square Inch Ratings are calculated by dividing the Btu Capacity at Registers by 136.

Btu Capacity at Registers for all Sunbeam Gravity Furnaces is 75% of Btu Capacity at Bonnet.

Btu Capacity at Registers for all Sunbeam Winter Air Conditioners is 85% of Btu Capacity at Bonnet.

Hand Fired

AMERICAN-Standard HEATING EQUIPMENT

Sunbeam Furnaces

Sunb

SUNBEAM HAND FIRED FURNACES

 CAST IRON
 Catalogue Page S1-6

KENWOOD Cast Iron Pipe Furnace

Furnace Number	Diam. Fire Pot	††Rating Square Inches	Btu Capacity at Registers	Furnace Only		Casing and Hood		Furnace with Casing and Hood	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
A-1018-CD	18"	390	53,000	\$101.00	699	\$ 9.00	56	\$110.00	755
A-1040-CD	20"	467	63,500	109.50	835	11.50	68	121.00	903
A-1044-CD	22"	537	73,000	123.70	965	13.80	74	137.50	1039
A-1048-CD	24"	597	81,200	138.40	1075	15.60	80	154.00	1156
A-1052-CD	26"	683	92,900	168.10	1376	18.90	92	187.00	1468

STANDARD EQUIPMENT—Check draft, finishing collars, poker, draft regulator, chain and pulleys, asbestos cement, nuts and bolts.

NOTE: Cone type hoods are regularly furnished. Flat top or one pipe type hoods furnished when ordered without extra charge.

††SEE PAGE 3—"CONVERTING REQUIREMENTS IN SQUARE INCHES TO BTU CAPACITIES AT REGISTERS."

KENWOOD Cast Iron Pipeless Furnace

Furnace Number	Diameter Fire Pot	Btu Capacity	Trade Prices Complete	Approximate Shipping Weight
A-1018-BD	18"	70,700	\$137.00	916
A-1040-BD	20"	84,700	160.00	1121
A-1044-BD	22"	97,300	185.50	1266
A-1048-BD	24"	108,100	209.00	1410
A-1052-BD	26"	123,800	239.00	1737

STANDARD EQUIPMENT—Register, check draft, poker, draft regulator, chain and pulleys, asbestos cement, nuts and bolts, warm-air and return-air extensions.

NOTE: Duplex Grates are regularly furnished with Kenwood Pipe and Pipeless Furnaces. Triangular Grates are available at no additional charge; when ordered, specify with suffixes "CT" or "BT", instead of "CD" or "BD", respectively.

ARLINGTON Steel Pipeless Furnace

Furnace Number	Diameter Shell	Btu Capacity	Trade Prices Complete	Approximate Shipping Weight
BD-520	20"	90,500	\$159.00	1102
BD-522	22"	112,800	177.00	1157
BD-524	24"	126,200	207.00	1255
BD-527	27"	134,500	239.00	1369

STANDARD EQUIPMENT—Register, check draft, poker, draft regulator, chain and pulleys, asbestos cement, nuts and bolts, warm-air and return-air extensions.

SEE PAGE 18 FOR AUXILIARY WATER HEATER COILS; PAGE 19 FOR HUMIDIFYING EQUIPMENT; PAGE 20 FOR TEMPERATURE CONTROL EQUIPMENT.

NOTE: Deduct 5% from price of Cast Iron or Steel Furnace Only, respectively, for omission of Grate Assembly, Ashpit Door, and Hand Firing Accessories.

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im Furnaces

Furnace with Casing and Hood	
Trade Prices	Approx. Shipping Weight
0.00	755
1.00	903
7.50	1039
4.00	1156
7.00	1468

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1102
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FYING EQUIP-

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Sunbeam Furnaces

AMERICAN-Standard HEATING EQUIPMENT

Hand Fired

SUNBEAM HAND FIRED FURNACES

ARLINGTON Steel Pipe Furnace Catalogue Page S7-10 GALVANIZED ROUND CASING

Furnace Number	Diam. Shell	ftRating Square Inches	Btu Capacity at Registers	Furnace Only		Casing and Hood		Furnace with Casing and Hood	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
D-520	20"	499	67,800	\$102.40	809	\$12.60	70	\$115.00	879
D-522	22"	622	84,600	115.20	856	13.80	75	129.00	931
D-524	24"	696	94,600	136.40	921	15.60	77	152.00	998
D-527	27"	741	100,800	168.30	1021	17.70	81	186.00	1102

STANDARD EQUIPMENT—Check draft, finishing collars, poker, draft regulator, chain and pulleys, nuts and bolts.

CLIFTON Steel Pipe Furnace Catalogue Page S13-15, 17 GALVANIZED ROUND CASING

Furnace Number	Diam. Shell	ftRating Square Inches	Btu Capacity at Registers	Furnace Only		Casing and Hood		Furnace with Casing and Hood	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
D-8030	30"	943	128,200	\$225.50	1375	\$21.50	101	\$247.00	1476
C-8034	34"	1,024	139,300	300.50	1553	24.50	113	325.00	1666

STANDARD EQUIPMENT—Check draft, finishing collars, poker, draft regulator, chain and pulleys, nuts and bolts.

Smoke Tees for Clifton Steel Furnaces:
10" (for 8030, 8034) \$4.00 Trade Price

ARLINGTON "SQUARE" Steel Pipe Furnace Catalogue Page S11-12 SQUARE METAL JACKET

Furnace Number	Diameter Shell	ftRating Square Inches	Btu Capacity at Registers	Furnace With Square Jacket and Flat Hood	
				Trade Prices	Approx. Shipping Weight
D-520-SQ	20"	499	67,800	\$126.00	1059
D-522-SQ	22"	622	84,600	142.00	1115
D-524-SQ	24"	696	94,600	162.00	1205
D-527-SQ	27"	741	100,800	197.00	1317

STANDARD EQUIPMENT—Square Metal Jacket with inner liner, check draft, finishing collars, poker, draft regulator, chain and pulleys, nuts and bolts.

NOTE: Deduct 5% from price of Furnace Only for omission of Grate Assembly, Ashpit Door, and Hand Firing Accessories.

NOTE: Cone type hoods are regularly furnished with Arlington Pipe and Clifton Models. Flat top or one pipe type hoods furnished when ordered without extra charge. The Arlington "Square" Model is furnished only with straight side flat top hood which is a part of the jacket.

11SEE PAGE 3—"CONVERTING REQUIREMENTS IN SQUARE INCHES TO BTU CAPACITIES AT REGISTERS."

SEE PAGE 18 FOR AUXILIARY WATER HEATER COILS. PAGE 19 FOR HUMIDIFYING EQUIPMENT. PAGE 20 FOR TEMPERATURE CONTROL EQUIPMENT.

Oil Fired

AMERICAN-Standard

HEATING EQUIPMENT

Sunbeam Furnaces

Sunbeam Furnac

SUNBEAM OIL FIRED FURNACES

ARLINGTON Steel Pipe Furnace
Catalogue Page S7-10
GALVANIZED ROUND CASING

Furnace Number	Diam. Shell	Rating Square Inches	Btu Capacity at Registers	Furnace Only		Casing and Hood		Furnace with Casing and Hood	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
D-520-G or R	20"	596	81,000	\$102.40	601	\$12.60	70	\$115.00	671
D-522-G or R	22"	622	84,600	115.20	627	13.80	75	129.00	702
D-524-G or R	24"	696	94,600	136.40	656	15.60	77	152.00	733
D-527-G or R	27"	741	100,800	168.30	730	17.70	81	186.00	811

CLIFTON Steel Pipe Furnace
Catalogue Page S13-17
GALVANIZED ROUND CASING

Furnace Number	Diam. Shell	Rating Square Inches	Btu Capacity at Registers	Furnace Only		Casing and Hood		Furnace with Casing and Hood	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
D-8030-G or R	30"	943	128,200	\$225.50	948	\$21.50	101	\$247.00	1049
C-8034-G or R	34"	1024	139,300	300.50	1057	24.50	113	325.00	1170

Smoke Tees for Clifton Steel Furnaces:
10" (for 8030, 8034) \$4.00 Trade Price

ARLINGTON "SQUARE" Steel Pipe Furnace
Catalogue Page S11-12
SQUARE METAL JACKET

Furnace Number	Diam. Shell	Rating Square Inches	Btu Capacity at Registers	Furnace with Square Jacket and Flat Hood	
				Trade Prices	Approx. Shipping Weight
D-520-SQG or SQR	20"	596	81,000	\$126.00	883
D-522-SQG or SQR	22"	622	84,600	142.00	916
D-524-SQG or SQR	24"	696	94,600	162.00	978
D-527-SQG or SQR	27"	741	100,800	197.00	1068

IMPORTANT: When ordering specify whether for use with Gun (G) or Rotary (R) Type Burner.

Grates and Fire Brick are not furnished. Special fire doors and burner doors are supplied.

For Gun Type Burners, furnaces will be equipped with mineral wool insulation and supporting and retaining plates for insulation. For Rotary Type Burners, furnaces will be equipped with cast iron hearth rings and brackets, hearth plate, fire box liners and mineral wool insulation.

NOTE: Sufficient space is not available on the standard hood for the total rating to be used by a number of small pipe take-offs. For such a condition 12" pipe take-offs with "Y" connections may be used.

NOTE: Cone type hoods are regularly furnished with Arlington Pipe and Clifton Models. Flat top or one pipe type hoods furnished when ordered, without extra charge. The Arlington "Square" is furnished only with straight side flat top hood which is a part of the jacket.

SEE PAGE 3—"CONVERTING REQUIREMENTS IN SQUARE INCHES TO BTU CAPACITIES AT REGISTERS."

SEE PAGE 16 FOR ARCOFLAME OIL BURNERS AND CONTROLS, PAGE 17 FOR CORRECT SIZE ARCOFLAME OIL BURNERS TO BE USED WITH THESE UNITS, PAGE 19 FOR HUMIDIFYING EQUIPMENT.

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Furnace Number	Diam. Shell
1D-520-SA	20"
1D-522-SA	22"
D-524-SA	24"
D-527-SA	27"

Furnace Number	Diam. Shell
D-8030-SA	30"
C-8034-SA	34"

Furnace Number
1D-520-SQS
1D-522-SQS
D-524-SQS
D-527-SQS

Furnace is equipped w and supports. Metal plate

When stoker is to be hand fired models as sho

NOTE: These sizes ec

NOTE: Sufficient spac of small pipe take-offs. F

NOTE: Cone type hood type hoods furnished wh straight side flat top hood

SEE PAGE 3—"CONV REGISTERS."

SEE PAGE 18 FOR A MENT.

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Furnace with asing and Hood	
rade rices	Approx. Shipping Weight
15.00	671
29.00	702
52.00	733
86.00	811

Furnace with asing and Hood	
rade rices	Approx. Shipping Weight
47.00	1049
25.00	1170

Square Jacket at Hood	
Approx. Shipping Weight	
883	
916	
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1068	

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CAPACITIES AT
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Sunbeam Furnaces

AMERICAN-Standard HEATING EQUIPMENT

Stoker Fired

SUNBEAM STOKER FIRED FURNACES

ARLINGTON Steel Pipe Furnace
Catalogue Page S7-10
GALVANIZED ROUND CASING

Furnace Number	Diam. Shell	ft Rating Square Inches	Btu Capacity at Registers	Furnace Only		Casing and Hood		Furnace with Casing and Hood	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
†D-520-SA	20"	596	81,000	\$102.40	752	\$12.60	70	\$115.00	822
†D-522-SA	22"	822	84,600	115.20	790	13.80	75	129.00	865
D-524-SA	24"	696	94,600	136.40	855	15.60	77	152.00	932
D-527-SA	27"	741	100,800	168.30	939	17.70	81	186.00	1020

CLIFTON Steel Pipe Furnace
Catalogue Page S13-15, 17
GALVANIZED ROUND CASING

Furnace Number	Diam. Shell	ft Rating Square Inches	Btu Capacity at Registers	Furnace Only		Casing and Hood		Furnace with Casing and Hood	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
D-8030-SA	30"	943	128,200	\$225.50	1205	\$21.50	101	\$247.00	1306
C-8034-SA	34"	1024	139,300	300.50	1355	24.50	113	325.00	1468

Smoke Tests for Clifton Steel Furnaces:
10" (for 8030, 8034) \$4.00 Trade Price

ARLINGTON "SQUARE" Steel Pipe Furnace
Catalogue Page S11-12
SQUARE METAL JACKET

Furnace Number	Diam. Shell	ft Rating Square Inches	Btu Capacity at Registers	Furnace with Square Jacket and Flat Hood	
				Trade Prices	Approximate Shipping Weight
1D-520-SQS	20"	596	81,000	\$126.00	1015
1D-522-SQS	22"	822	84,600	142.00	1082
D-524-SQS	24"	696	94,600	162.00	1145
D-527-SQS	27"	741	100,800	197.00	1255

Furnace is equipped with three steel chutes for firing from rear or left or right hand side, fire brick lining and supports. Metal plates and gaskets are provided to seal chutes not used.

When stoker is to be installed in front or below base of furnace, the above models cannot be used and hand fired models as shown on page 5 should be ordered less grate assembly and ash pit door.

†NOTE: These sizes equipped with steel chutes on right and left side only.

●NOTE: Sufficient space is not available on the standard hood for the total rating to be used by a number of small pipe take-offs. For such a condition 12" pipe take-offs with "Y" connections may be used.

NOTE: Cone type hoods are regularly furnished with Arlington Pipe and Clifton Models. Flat top or one pipe type hoods furnished when ordered, without extra charge. The Arlington "Square" is furnished only with straight side flat top hood which is a part of the jacket.

†SEE PAGE 3—"CONVERTING REQUIREMENTS IN SQUARE INCHES TO BTU CAPACITIES AT REGISTERS."

SEE PAGE 18 FOR AUXILIARY WATER HEATER COILS; PAGE 19 FOR HUMIDIFYING EQUIPMENT.

Gas Fired

AMERICAN-Standard

HEATING EQUIPMENT

Sunbeam Furnaces

SUNBEAM GAS FIRED FURNACES

SHAWNEE — Steel Heating Element
Catalogue Page S18-19, 29

Furnace Number	For use with Manufactured, Natural, or Mixed Gas			For use with L. P. G.			Trade Prices with Standard Equipment		Approx. Shipping Weight
	A.G.A. Rating Btu Input per Hour	Btu Capacity at Registers	†† Rating Square Inches	A.G.A. Rating Btu Input per Hour	Btu Capacity at Registers	†† Rating Square Inches	For use with Manufactured, Natural, or Mixed Gas Control Combination No. G-1 or No. G-2	For use with L. P. G. Control Combination No. G-3	
SG-65	65,000	36,560	268	60,000	33,750	248	\$109.50	\$138.00	270
SG-80	80,000	45,000	331				120.00		303
SG-105	105,000	59,060	435	105,000	59,060	435	137.50	166.00	361
SG-120	120,000	67,500	496	120,000	67,500	496	148.50	177.00	407
SG-140	140,000	78,750	579				162.50		477

Standard Equipment Includes:

Square Metal Jacket.
Steel Heating Element.
Gas Pressure Regulator (Except for L. P. G.)

Manual Shut-off Valve.
No. 850 BASO Automatic Pilot Switch.
Ribbon Burner.
Draft Hood

Control Combination as specified.

Control Combination No. G-1	Control Combination No. G-2	Control Combination No. G-3
For use with Manufactured, Natural, or Mixed Gas.	For use with Manufactured, Natural, or Mixed Gas.	For use with L. P. G.
Detroit No. 411-CH Plain Thermostat. Detroit No. V-570-M Electric Gas Valve and Transformer.	MH No. T-81-A Plain Thermostat. MH Solenoid Gas Valve and Transformer: V-835-D, except with SG-140 for Mfd. Gas. V-84-C with SG-140 for Mfd. Gas.	MH No. T-11-A Plain Thermostat. MH No. V-155-A Motorized Gas Valve and Transformer. Special Control for 100% Safety "Shut-off."

CONTROL COMBINATION BY NUMBER MUST BE SPECIFIED WITH EACH UNIT.

OPTIONAL EQUIPMENT

No. LA-119-A Limit Switch (Airstat) for MH Controls (Catalogue Page S28) .. \$ 7.43
No. CA-805 Air Limit Control for DL Controls..... 7.35

††SEE PAGE 3—"CONVERTING REQUIREMENTS IN SQUARE INCHES TO BTU CAPACITIES AT REGISTERS."
SEE PAGE 19 FOR HUMIDIFYING EQUIPMENT; PAGE 20 FOR OPTIONAL TEMPERATURE CONTROL EQUIPMENT.

Instructions for Ordering

- Orders must specify (1) Type of Gas (If L. P. G., whether Butane or Propane).
(2) Btu Content.
(3) Specific Gravity.
(4) Control Combination Desired.
(5) Elevation at which equipment will be operated if in excess of 2,000 feet.

RATINGS SHOWN ARE FOR ELEVATIONS UP TO 2,000 FEET. FOR ELEVATIONS ABOVE 2,000 FEET, RATINGS SHALL BE REDUCED AT THE RATE OF 5 PER CENT FOR EACH 1,000 FEET ABOVE SEA LEVEL.

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Sunbeam
Floor Fi

Furnace No.	F M I E I n C H
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Q-35	35
Q-50	50
Q-70	70

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Sunbeam
Floor Furnaces

AMERICAN-Standard
HEATING EQUIPMENT

Gas Fired

SUNBEAM GAS FIRED FLOOR FURNACES

SAGINAW — Steel Heating Element

Catalogue Page S20-21, 30

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use th. G.	Approx. Ship- ping Weight
ontrol on Q-3	
00	270
00	303
00	361
00	407
00	477

Furnace No.	A.G.A. Rating						Trade Prices with Standard Equipment					App. Shipping Wgt.
	For Use with Mfd., Nat. or Mixed Gas		For Use with L. P. G.		For Use with Butane-Air 525 Btu.		With Control Combination A	With Control Combination B	With Control Combination C	With Control Combination D	With Control Combination E	
	Btu Input per Hour	Btu Output per Hour	Btu Input per Hour	Btu Output per Hour	Btu Input per Hour	Btu Output per Hour						
Q-20	20,000	14,000	20,000	14,000	20,000	14,000	\$33.00	\$38.00	\$50.60*		\$56.50	110
Q-35	35,000	24,500	35,000	24,500	35,000	24,500	41.45	46.45	59.05*		64.95	135
Q-50	50,000	35,000	50,000	35,000	50,000	35,000	59.60	64.60		\$79.90	83.10	186
Q-70	70,000	49,000	70,000	49,000	70,000	49,000	72.35	77.35		92.65	95.85	248

*For Butane Gas: Input 38,000; Output 26,600.

Standard Equipment Includes:

Welded Steel Heating Element.
Outer and Inner Casing.
Floor Register.
Control Combination as specified.

Burner, Piping, Lighting Rod.
Gas Pressure Regulator (Except with L. P. G.)
Draft Hood.

Control Combination A — Manual Control with Locking Device
For Use with Mfd., Nat., or Mixed Gas.

Control Combination B — Manual Control with BASO Automatic Pilot
For Use with Mfd., Nat., Mixed or L. P. G.

Main and Pilot Gas Cocks.
Pilot Burner.

No. 831-1 BASO Thermostatic Main and Pilot Valve—(100% "Shut-off").
Pilot Burner.

Control Combination C — General Controls Self-Energizing Set
*For Use with Mixed Gas (800 Btu Minimum Content) or Natural Gas only.

Control Combination D — General Controls Self-Energizing Set
For Use with Mfd., Nat., or Mixed Gas.

(For Q-20 and Q-35 ONLY):
Main and Pilot Gas Cocks.
T-80-1 Thermostat.
B-60-6 Automatic Gas Valve.
PG-6 Pilot Generator.
30 Ft. Two-wire Cable.

(For Q-50 and Q-70 ONLY):
Main and Pilot Gas Cocks.
T-80-1 Thermostat.
B-60-1 Automatic Gas Valve.
PG-1 Pilot Generator.
30 Ft. Two-wire Cable.

Control Combination E — Minneapolis-Honeywell
Y-77-C Low Voltage Set

For Use with Mfd., Nat., Mixed, or L. P. G.
No. 831-1 BASO Automatic Main and Pilot Valve—(100% "Shut-off").
Pilot Burner.
No. T-81-A Plain Thermostat.
No V-835-D Solenoid Gas Valve and Transformer.
30 Ft. Two-wire Cable.

IMPORTANT NOTE: Specify ONLY Control Combination B or E for Use with Liquefied Petroleum Gas or Butane-Air. Deduct \$3.35 from Trade Prices shown above for omission of Gas Pressure Regulator when specified for L. P. G.

MH. No. V-835-D Gas Valve is replaced by No. V-835-A Gas Valve in Control Combination E when specified for use with L. P. G. or Butane-Air.

CONTROL COMBINATION BY LETTER DESIGNATION MUST BE SPECIFIED WITH EACH UNIT.

Instructions for Ordering

Orders must specify (1) Type of Gas (If L. P. G., whether Butane or Propane).

(2) Btu Content.

(3) Specific Gravity.

(4) Control Combination Desired.

(5) Elevation at which equipment will be operated if in excess of 2,000 feet.

RATINGS SHOWN ARE FOR ELEVATIONS UP TO 2,000 FEET. FOR ELEVATIONS ABOVE 2,000 FEET, RATINGS SHALL BE REDUCED AT THE RATE OF 5 PER CENT FOR EACH 1,000 FEET ABOVE SEA LEVEL.

Hand Fired

AMERICAN-Standard
HEATING EQUIPMENT

Sunbeam Winter Air
Conditioners

Sunbeam Winter Air
Conditioners

SUNBEAM WINTER AIR CONDITIONERS

HAND FIRED

ALLERTON — Steel Heating Element

Catalogue Page S34-37

Unit Number	Btu Capacity at Registers	Trade Prices with Standard Equipment	Approximate Shipping Weight
D-5520	86,100	\$188.00	1205
D-5522	107,300	211.00	1256
D-5524	120,000	250.00	1370
D-5527	127,900	298.00	1538

CLIFFDALE — Steel Heating Element

Catalogue Page S38-40

Unit Number	Btu Capacity at Registers	Trade Prices Including Smoke Tee and Standard Equipment	Approximate Shipping Weight
D-3080	162,500	\$435.00	2219
C-3480-B	177,000	520.00	2432

Standard Equipment Includes:

Square Metal Jacket. Blower Cabinet. Air Filters.
Inner Casing and Rings. Blower, Belt and Pulleys.
Rubber Mounted Motor with overload protection.

NOTE: Blower cabinets on Allerton and Cliffdale Units can be attached to either right or left side of heating jacket.

SEE PAGE 18 FOR AUXILIARY WATER HEATER COILS; PAGE 19 FOR HUMIDIFYING EQUIPMENT; PAGE 20 FOR TEMPERATURE CONTROL EQUIPMENT.

SE-3

10

Unit
Number

D-5522-G or R
D-5524-G or R
D-5527-G or R

Unit
Number

D-3080-G or R
C-3480-G or R

IMPORTANT:
For Gun Type
plates for insulating
hearth plate, fire
fire doors and bur
SEE PAGE 16
ARCOFLAME O

Unit
Number

*D-5522-SA
D-5524-SA
D-5527-SA

Unit
Number

D-3080-S
C-3480-S

Unit is equipped
supports. Metal
When stoker
fired units as sho
*NOTE: These

Square Metal Jacket
Inner Casing and

NOTE: Blower
heating jacket.

SEE PAGE 1
MENT.

11623

inter Air
ditioners

Sunbeam Winter Air
Conditioners

AMERICAN-Standard
HEATING EQUIPMENT

Oil Fired
Stoker Fired

SUNBEAM WINTER AIR CONDITIONERS
OIL FIRED

ALLERTON — Steel Heating Element
Catalogue Page S34-36

For use with Gun or Rotary Type Burners

Unit Number	Btu Capacity at Registers	Trade Prices with Standard Equipment	Approximate Shipping Weight
D-5522-G or R	107,300	\$211.00	1027
D-5524-G or R	120,000	250.00	1139
D-5527-G or R	127,900	298.00	1250

CLIFFDALE — Steel Heating Element
Catalogue Page S38, 40

For use with Gun or Rotary Type Burners

Unit Number	Btu Capacity at Registers	Trade Prices Including Smoke Tee and Standard Equipment	Approximate Shipping Weight
D-3080-G or R	162,500	\$435.00	1775
C-3480-GB or RB	177,000	520.00	1919

IMPORTANT: When ordering specify whether for use with Gun (G) or Rotary (R) Type Burner. For Gun Type Burner, Units will be equipped with mineral wool insulation and supporting and retaining plates for insulation. For Rotary Type Burners, Units will be equipped with cast iron hearth rings and brackets, hearth plate, fire box liners and mineral wool insulation. Grates and Fire Brick are not furnished. Special fire doors and burner doors are supplied.

SEE PAGE 16 FOR ARCOFLAME OIL BURNERS AND CONTROLS; PAGE 17 FOR CORRECT SIZE ARCOFLAME OIL BURNERS TO BE USED WITH THESE UNITS.

STOKER FIRED
ALLERTON — Steel Heating Element
Catalogue Page S34-36

Unit Number	Btu Capacity at Registers	Trade Prices with Standard Equipment	Approximate Shipping Weight
*D-5522-SA	107,300	\$211.00	1184
D-5524-SA	120,000	250.00	1284
D-5527-SA	127,900	298.00	1407

CLIFFDALE — Steel Heating Element
Catalogue Page S-38, 40

Unit Number	Btu Capacity at Registers	Trade Prices Including Smoke Tee and Standard Equipment	Approximate Shipping Weight
D-3080-S	162,500	\$435.00	2033
C-3480-SB	177,000	520.00	2215

Unit is equipped with three steel chutes for firing from rear or left or right hand side, fire brick lining and supports. Metal plates and gaskets are provided to seal chutes not used.

When stoker is to be installed in front or below base of unit, the above models cannot be used and hand fired units as shown on page 10 should be ordered less grate assembly, ashpit door, and hand firing accessories.

*NOTE: These units equipped with steel chutes on right and left side only.

OIL FIRED OR STOKER FIRED
Standard Equipment Includes:

Square Metal Jacket.
Inner Casing and Rings.

Blower Cabinet.
Blower, Belt, and Pulleys.
Rubber mounted motor with overload protection.

Air Filters.

NOTE: Blower cabinets on Allerton and Cliffdale Models can be attached to either right or left side of heating jacket.

SEE PAGE 18 FOR AUXILIARY WATER HEATER COILS; PAGE 19 FOR HUMIDIFYING EQUIPMENT.

Oil Fired **AMERICAN-Standard** **Sunbeam Winter Air**
HEATING EQUIPMENT Conditioners

SUNBEAM WINTER AIR CONDITIONERS

OIL FIRED

SARATOGA and WESTMORELAND ARCOFLAME OIL HEATING UNITS

Steel Heating Element
Catalogue Page S41-46

Unit Number	Burner Model Number	Nozzle Size Gallons per Hour	Btu Capacity at Registers	Trade Prices with Standard Equipment	Approximate Shipping Weight
E-1120-F	C-1S*	1.25**	95,000	\$338.20	1130
B-1124-BA	C-1S	1.50	150,000	452.70	1552
B-1127-BA	C-1S	2.00	200,000	515.20	1833
B-1134-BC-18-1/2	C-1S X	2.50	240,000	560.20	2174
B-1134-BC-18-3/4	L-1S	3.00	285,000	587.45	2265
B-1134-BC-21-3/4	L-1S	3.50	330,000	642.20	2401

*Supplied with Special Turbulator Attachment.

**Set pump 80-90 lbs. pressure.

The Saratoga, No. E-1120-F, has Heating Element and Blower enclosed in single Jacket. The Westmoreland Units have Heating Element enclosed in a separate Jacket and Blower enclosed in a cabinet which can be attached to either right or left side of Heating Jacket.

Standard Equipment Includes:

Square Metal Jacket.
Inner Lining.
Blower, Belt, and Pulleys.
Rubber Mounted Motor with Overload Protection.

Air Filters.
Draft Stabilizer.
Heat Lib-O-Rator Molded Refractory Combustion Chamber.

ARCOFLAME Oil Burner and Nozzle; CA-701 Stack Control; No. 20 Control Set (411-CH Thermostat, CA-815 Blower and Limit Control).

NOTE: Detroit 411-CDN Day-Night Heat Compensated Thermostat and 772 Tem-Clock Combination may be substituted for 411-CH Thermostat in Control Set No. 20; the suffix "A" after Control Set Number will designate this substitution. If desired, add \$17.63 to the above Trade Prices.

SARATOGA and WESTMORELAND — Steel Heating Element

Catalogue Page S41-45

Without Oil Burner or Controls

Unit Number	Recommended Nozzle Size Gallons per Hour	Btu Capacity at Registers	Trade Prices with Standard Equipment	Approximate Shipping Weight
E-1120-F	1.25	95,000	\$195.50	876
B-1124-BA	1.50	150,000	307.00	1263
B-1127-BA	2.00	200,000	358.00	1521
B-1134-BC-18-1/2	2.50	240,000	413.00	1861
B-1134-BC-18-3/4	3.00	285,000	425.25	1879
B-1134-BC-21-3/4	3.50	330,000	480.00	2014

Standard Equipment Includes:

Square Metal Jacket.
Inner Lining.
Blower, Belt, and Pulleys.
Rubber Mounted Motor with Overload Protection.

Air Filters.
Mineral Wool Insulation.
Refractory Brick.

SEE PAGE 16 FOR ARCOFLAME BURNERS AND CONTROLS; PAGE 17 FOR HEAT LIB-O-RATOR COMBUSTION CHAMBERS; PAGE 19 FOR HUMIDIFYING EQUIPMENT.

SE-3

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Sunbeam Winter Air Conditioners

Steel H

Unit Number	For use with M	A.G.A. Rating Btu Input per Hour
SL-70		70,000
SL-85		85,000
SL-105		105,000
SL-125		125,000
SL-150		150,000

W Steel

Unit Number	For use with M	A.G.A. Rating Btu Input per Hour
SUA-55*		55,000
SUA-70*		70,000
SUA-85*		85,000
SU-105		105,000

▲For L. P. G., specify

Metal Jacket.
Steel Heating Element.
Gas Pressure Regulator.
L. P. G.)

Control Combination
For Use with Manufacture
or Mixed

Detroit No. 411-CH
Thermostat.
Detroit No. V-570
Valve and Transformer.
Detroit No. CA-815
Limit Switch.

●Control Combination

CONTROL C

*SUA-55, SUA-70;
be located on either
inlet will be substituted
SU-105 Wyandotte

SEE PAGE 19 FOR
TEMPERATURE CONTROLS

Orders may be placed

RATINGS SHOWN
RATINGS SHALL BE
LEVEL.

ter Air
Conditioners

Sunbeam Winter Air
Conditioners

AMERICAN-Standard
HEATING EQUIPMENT

Gas Fired

SUNBEAM WINTER AIR CONDITIONERS
SENECA — GAS FIRED — Catalogue Page S47-48, 60
Steel Heating Element — With Blower at Right of Heating Compartment

Unit Number	For use with Manufactured, Natural, or Mixed Gas		For use with L. P. G.		Trade Prices with Std. Equipment		Approx. Shipping Weight
	A.G.A. Rating Btu Input per Hour	Btu Capacity at Registers	A.G.A. Rating Btu Input per Hour	Btu Capacity at Registers	Control Combination No. A-1 or No. A-2	Control Combination No. A-3	
SL-70	70,000	47,600	61,000	41,480	\$198.00	\$226.50	396
SL-85	85,000	57,800	105,000	71,400	215.00	256.50	414
SL-105	105,000	71,400	125,000	85,000	228.00	278.50	463
SL-125	125,000	85,000			250.00		505
SL-150	150,000	102,000			275.00		590

WYANDOTTE — GAS FIRED — Catalogue Page S49-50, 60
Steel Heating Element — With Blower Under Heating Compartment

Unit Number	For use with Manufactured, Natural, or Mixed Gas		For use with L. P. G.		Trade Prices with Std. Equipment		Approx. Shipping Weight
	A.G.A. Rating Btu Input per Hour	Btu Capacity at Bonnet	A.G.A. Rating Btu Input per Hour	Btu Capacity at Bonnet	Control Combination No. A-1 or No. A-2	Control Combination No. A-3	
SUA-55 ★	55,000	44,000	55,000	44,000	\$177.00	▲ \$221.50	295
SUA-70 ★	70,000	56,000	61,000	48,800	193.00		393
SUA-85 ★	85,000	68,000	105,000	84,000	210.00		423
SUA-105	105,000	84,000			223.00		500

▲ For L. P. G., specify Control Combination A-4 ● and add \$15.00 to Trade Price of SUA-55 with A-1 Controls.

Standard Equipment Includes:

Metal Jacket.
Steel Heating Element.
Gas Pressure Regulator (Except for L. P. G.)

Manual Shut-off Valve.
Blower-Motor Unit.
Air Filters.

No. 850 BASO Automatic Pilot Switch.
Ribbon Burner.
Draft Hood.

Control Combination as specified.

Control Combination No. A-1	Control Combination No. A-2	Control Combination No. A-3
For Use with Manufactured, Natural, or Mixed Gas	For Use with Manufactured, Natural, or Mixed Gas	For Use with L. P. G.
Detroit No. 411-CH Plain Thermostat.	MH No. T-81-A Plain Thermostat.	MH No. T-11-A Plain Thermostat.
Detroit No. V-570 Electric Gas Valve and Transformer.	MH Solenoid Gas Valve and Transformer.	MH No. V-155-A Motorized Gas Valve and Transformer.
Detroit No. CA-815 Blower and Limit Switch.	V-835-A, except with SL-150 for Mfd. Gas.	MH No. LA-101-A Blower and Limit Switch.
	V-84-A with SL-150 for Mfd. Gas.	Special Control for 100% Safety "Shut-off."
	MH No. LA-101-A Blower and Limit Switch.	

● Control Combination A-4 same as A-1, except with 100% Safety "Shut-off" and valve equipped for L. P. G.
CONTROL COMBINATION BY NUMBER MUST BE SPECIFIED WITH EACH UNIT.

★ SUA-55, SUA-70 and SUA-85 WYANDOTTE 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 additional charge.
SU-105 Wyandotte Unit is equipped with 2 filter frames, one on each side.

SEE PAGE 19 FOR COMBINATION "S" FLOAT HUMIDIFIER; PAGE 20 FOR OPTIONAL TEMPERATURE CONTROL EQUIPMENT.

Instructions for Ordering

Orders must specify (1) Type of Gas (If L. P. G., whether Butane or Propane).

(2) Btu Content.

(3) Specific Gravity.

(4) Control Combination desired.

(5) Elevation at which equipment will be operated if in excess of 2,000 feet.

RATINGS SHOWN ARE FOR ELEVATIONS UP TO 2,000 FT. FOR ELEVATIONS ABOVE 2,000 FT., RATINGS SHALL BE REDUCED AT THE RATE OF 5 PER CENT FOR EACH 1,000 FT. ABOVE SEA LEVEL.

Gas Fired

AMERICAN-Standard HEATING EQUIPMENT

Sunbeam Winter Air
Conditioners

Sun
Con

SUNBEAM WINTER AIR CONDITIONERS

MOHAWK — GAS FIRED

Catalogue Page S51-54, 60

Cast Iron Heating Element

Unit Number	For Use with Manufactured, Natural, Mixed or L. P. G.		Trade Prices with Standard Equipment					Approx. Shipping Weight
			For Use with Manufactured, Natural, or Mixed Gas				For Use with L. P. G.	
	A.G.A. Rating Btu Input per Hour	Btu Capacity at Registers	DL Control Comb. No. A-1	DL Control Comb. No. A-6	MH Control Comb. No. A-7	MH Control Comb. No. A-8	MH Control Comb. No. A-9	
K-60	60,000	40,800	\$212.00	\$229.00	\$212.00	\$229.00	\$246.00	527
K-80	80,000	54,400	235.00	252.00	235.00	252.00	270.50	755
K-100	100,000	68,000	260.00	276.50	260.00	276.50	292.00	847
K-120	120,000	81,600	290.00	306.50	290.00	306.50	322.00	905
K-150	150,000	102,000	330.00	346.50	330.00	346.50	363.00	1239
K-180	180,000	122,400	375.00	391.50	375.00*	391.50	408.00	1246
K-200	200,000	136,000	405.00	422.00	405.00*	422.00	438.50	1557
K-240	240,000	163,200	457.00	474.00		474.00	490.50	1805
K-300	300,000	204,000	542.00	559.00		559.00	573.00	1883

*For Use with Mixed Gas (800 Btu Minimum Content) or Natural Gas Only.

Standard Equipment Includes:

Metal Jacket.
Cast Iron Heating Sections.
Gas Pressure Regulator (Except for L. P. G.)
Blower—Motor Unit.
Manual Shut-off Valve.
Air Filters.
Ribbon Burners.
Draft Hood.
No. 322 BASO Automatic Pilot Valve—For Second and Successive
Sections with DL Control Combination No. A-6; for Each Section
with DL Control Combination No. A-1, and MH Control Combina-
tions No. A-7 and No. A-8.
No. 850 BASO Automatic Pilot Switch for Each Section with MH
Control Combination No. A-9.

Control Combination as specified.

Control Combination No. A-1	Control Combination No. A-6	Control Combination No. A-7
For Use with Manufactured, Natural, or Mixed Gas	For Use with Manufactured, Natural, or Mixed Gas	For Use with Manufactured, Natural, or Mixed Gas
Detroit No. 411-CH Plain Thermostat. Detroit No. V-570 Electric Gas Valve and Transformer. Detroit No. CA-815 Blower and Limit Switch.	Detroit No. 411-CH Plain Thermostat. Detroit No. 566-VP Thermotor Gas Valve, Limit Control, Trans- former and Vapor Tension Ther- mostatic Pilot for First Section. Detroit No. CA-810 Blower Switch.	MH No. T-81-A Plain Thermostat. MH No. V-835-A Solenoid Gas Valve and Transformer (Except No. K-240 and No. K-300). MH No. LA-101-A Blower and Limit Switch.
Control Combination No. A-8	Control Combination No. A-9	
For Use with Mfd., Nat., or Mixed Gas.	For Use with L. P. G.	
MH No. T-11-A Plain Thermostat. MH No. V-155-A Motorized Gas Valve and Transformer. MH No. LA-101-A Blower and Limit Switch.	MH No. T-11-A Plain Thermostat. MH No. V-155-A Motorized Gas Valve and Transformer. MH No. LA-101-A Blower and Limit Switch. Special Control for 100% Safety "Shut-off."	

CONTROL COMBINATION BY NUMBER MUST BE SPECIFIED WITH EACH UNIT.

SEE PAGE 19 FOR HUMIDIFYING EQUIPMENT; PAGE 20 FOR OPTIONAL TEMPERATURE
CONTROL EQUIPMENT.

Instructions for Ordering

Orders must specify (1) Type of Gas (If L. P. G., whether Butane or Propane).

(2) Btu Content.

(3) Specific Gravity.

(4) Control Combination desired.

(5) Elevation at which equipment will be operated if in excess of 2,000 feet.

RATINGS SHOWN ARE FOR ELEVATIONS UP TO 2,000 FEET. FOR ELEVATIONS ABOVE 2,000
FEET, RATINGS SHALL BE REDUCED AT THE RATE OF 5 PER CENT FOR EACH 1,000 FEET ABOVE
SEA LEVEL.

SE-3

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11627

Sunbeam Winter Air
Conditioners

AMERICAN-Standard
HEATING EQUIPMENT

Gas Fired

SUNBEAM WINTER AIR CONDITIONERS
CHIPPEWA — GAS FIRED — FACTORY ASSEMBLED
Catalogue Page S55, 60
Cast Iron Heating Element
With Blower Under Heating Compartment

Unit Number	For use with Mfd., Nat., Mixed, L. P. G. or Butane-Air (525 Btu).		Trade Prices with Standard Equipment			Approx. Shipping Weight
			For Use with Mfd., Nat., or Mixed Gas		For Use with L. P. G. or Butane-Air (525 Btu).	
			Control Combination		Control Combination No. A-17	
	A.G.A. Rating Btu Input per Hour	Btu Capacity at Bonnet	No. A-7 or A-16	No. A-16E		
KUA-60	60,000	48,000	\$229.00	\$253.50	\$247.35	500

● Deduct \$3.35 from Trade Price for omission of Gas Pressure Regulator when specified for use with L. P. G.

Standard Equipment Includes:

Metal Jacket.
Cast Iron Heating Element.
Gas Pressure Regulator—(Except for L. P. G.).
Control Combination as specified.
Manual Shut-off Valve.
Blower-Motor Unit.
Air Filters.
Ribbon Burner.
Draft Hood.
BASO Automatic Pilot Valve with Control Combinations No. A-7, A-16 and A-16E.
BASO Automatic Pilot Switch with Control Combination No. A-17.

Control Combination No. A-7	Control Combination No. A-16
For Use with Manufactured, Natural, or Mixed Gas. MH No. T-81-A Plain Thermostat. MH No. V-835-A Solenoid Gas Valve and Trans- former. MH No. LA-101-A Blower and Limit Switch.	For Use with Manufactured, Natural, or Mixed Gas. Detroit No. 411-CH Plain Thermostat. Detroit No. V-574-F Electric Gas Valve and Trans- former. Detroit No. CA-810 Blower Switch. Gas Valve has mechanical limit and manual opening feature.
Control Combination No. A-16E	Control Combination No. A-17
For Use with Manufactured, Natural, or Mixed Gas. Detroit No. 411-CH Plain Thermostat. Detroit No. V-574-F Electric Gas Valve and Transformer. Detroit No. CA-810 Blower Switch. Electric Pilot Igniter. Gas Valve has mechanical limit and manual opening feature.	For Use with L. P. G. or Butane-Air (525 Btu). Detroit No. 411-CH Plain Thermostat. Detroit Electric Gas Valve and Transformer: No. V-571 for L. P. G. No. V-570 for Butane-Air (525 Btu). Detroit No. CA-815 Blower and Limit Switch. Special Control for 100% Safety "Shut-off."

CONTROL COMBINATION BY NUMBER MUST BE SPECIFIED WITH EACH UNIT.

The Chippewa Unit is 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 additional charge.

SEE PAGE 19 FOR HUMIDIFYING EQUIPMENT; PAGE 20 FOR OPTIONAL TEMPERATURE CONTROL EQUIPMENT.

Instructions for Ordering

- Orders must specify (1) Type of Gas (If L. P. G., whether Butane or Propane).
(2) Btu Content.
(3) Specific Gravity.
(4) Control Combination desired.
(5) Elevation at which equipment will be operated if in excess of 2,000 feet.

RATINGS SHOWN ARE FOR ELEVATIONS UP TO 2,000 FEET. FOR ELEVATIONS ABOVE 2,000 FEET, RATINGS SHALL BE REDUCED AT THE RATE OF 5 PER CENT FOR EACH 1,000 FEET ABOVE SEA LEVEL.

Arcoflame
Burners

AMERICAN-Standard
HEATING EQUIPMENT

Arcoflame
Burners

ARCOFLAME OIL BURNERS

COMPLETE WITH
STANDARD ARCOFLAME BURNER CONTROL SET AND NOZZLE†
Catalogue Page S46

(A Standard Arcoflame Burner Control Set Must Be Purchased With Each Arcoflame Burner)

Model Number	With Control Set Number	Contents of Arcoflame Standard Control Sets	Trade Prices
C-1S	19 For Gravity Furnaces	No. 411-CH Thermostat. No. CA-805 Air Limit Control.	\$124.50
	20 For Winter Air Conditioners	No. 411-CH Thermostat. No. CA-815 Combination Blower and Limit Control.	130.70
C-3S	For Use on 115 Volt, 60-Cycle Current MAXIMUM CAPACITY 3.00 GALLONS OIL PER HOUR Approximate Shipping Weight 140 pounds		
L-1S	19 For Gravity Furnaces	No. 411-CH Thermostat. No. CA-805 Air Limit Control.	137.50
	20 For Winter Air Conditioners	No. 411-CH Thermostat. No. CA-815 Combination Blower and Limit Control.	143.70
L-3S	For Use on 115 Volt, 60-Cycle Current MAXIMUM CAPACITY 7.00 GALLONS OIL PER HOUR Approximate Shipping Weight 165 pounds		

IMPORTANT: When substitution of 411-CDN and 772 combination is made for 411-CH such control sets will be designated by suffix "A" after control set number. If desired, add \$17.63 to above Trade Prices.
†When ordering Arcoflame Oil Burner be sure to specify Nozzle size desired.
Thermostat cable not furnished.

IMPORTANT NOTICE

Trade Prices for Arcoflame Burners and Standard Burner Control Sets as shown above include, in addition to the Nozzle and Controls as listed, a No. CA-701 Arcoflame Stack Control.

Arcoflame Burners will be sold only when ordered in combination with one of the Arcoflame Standard Burner Control Sets, as shown above. Additional Arcoflame Controls may be purchased separately at Trade Prices shown below.

When Arcoflame Burner is ordered with Nozzle Sizes of 1.25 and 1.35 Gallons per Hour, Special Turbulator Attachment is furnished at no additional charge.

Arcoflame Oil Burners are approved by the National Board of Fire Underwriters and comply with Commercial Standards CS-75.

IMPORTANT NOTE: Motors and Controls regularly furnished are for 115 Volt, 60-Cycle A. C.

CONTROLS FOR ARCOFLAME OIL BURNERS

Catalogue Page S61-62

Trade Prices — When Ordered Separately

Stock Number	Description Standard Controls—115 Volt, 60 Cycle	Trade Prices
CA-701	Stack Control (Intermittent Ignition).....	\$27 00
CA-702	Stack Control (Constant Ignition).....	25 05
411-CH	Detroit Heat Compensated Thermostat Low Voltage (Scale 40°-90°F.).....	8 55
**411-CDN	Detroit Day-Night Heat Compensated Thermostat (Scale 40°-90°F.).....	9 45
‡411-TD	Detroit Night Turn-down Assembly.....	1 35
**772	Tem-Clock with Transformer.....	16 73
CA-805	Detroit Air Limit Control (High Voltage) (Scale 100°-300°F.) (Stop 250°F.).....	7 35
CA-815	Detroit Combination Blower and Limit Control (High Voltage) (Scale Blower 75°-225°, Limit 100°-300°, Stop 200°F.).....	14 48
CA-810	Detroit Furnace Blower Control (High Voltage) (Scale 75°-275°F.).....	8 40
CA-295	Detroit Relay Transformer.....	6 78

**411-CDN Thermostat is used only in combination with 772 Tem-Clock.

‡Order 411-TD and 772 Tem-Clock to convert existing 411-CH Plain Thermostat to Automatic Day-Night operation.

Combustion
Chambers

AMERICAN-Standard HEATING EQUIPMENT

Arcoflame
Oil Burners

ARCOFLAME CONVERSION OIL BURNERS

FOR USE WITH SUNBEAM GRAVITY FURNACES

KENWOOD		ARLINGTON AND ARLINGTON "SQUARE"	
A-1018-CD or BD	C-2S	D-520-G or D-520-SQG	C-2S
A-1040-CD or BD	C-3S	D-522-G or D-522-SQG	C-2S
A-1044-CD or BD	C-3S	D-524-G or D-524-SQG	C-2S
A-1048-CD or BD	C-3S	D-527-G or D-527-SQG	C-2S
A-1052-CD or BD	C-3S		
		CLIFTON	
		D-8030-G	C-2S
		C-8034-G	L-3S

FOR USE WITH SUNBEAM WINTER AIR CONDITIONERS

CLIFFDALE		ALLERTON	
D-3080-G	C-2S	D-5520	C-2S
C-3480-GB	L-3S	D-5522-G	C-2S
		D-5524-G	C-2S
		D-5527-G	C-2S

Combustion Chambers not furnished. See Arcoflame Oil Burner Installation and Service Guide for suggested size and shape.

NOZZLES AND STRAINERS

FOR CONVERSION OIL BURNERS				FOR SARATOGA AND WESTMORELAND UNITS		
For Model C		For Model L		Unit Number	Gals. per Hr.	Spray Angle
Gals. per Hr.	Spray Angle	Gals. per Hr.	Spray Angle			
**1.25	80°	3.00	60°	E-1120-F	1.25*	80°
**1.35	80°	3.50	60°	B-1124-BA	1.50	60°
1.50	80°	4.00	60°	B-1127-BA	2.00	80°
1.65	80°	4.50	60°	B-1134-BC-18-1/2	2.50	45°
1.75	60°	5.00	60°	B-1134-BC-18-3/4	3.00	60°
2.00	60°	5.50	60°	B-1134-BC-21-1/4	3.50	60°
2.25	60°	6.00	60°			
2.50	60°	6.50	60°			
2.75	60°	7.00	60°			
3.00	60°					

*Set Pump at 80-90 lbs. pressure if 1.25 Nozzle is used.
**When these Nozzles are used in Model "C" Arcoflame Burners, the Special Turbulator Attachment should be used. Special Turbulator Attachment furnished at no additional charge when these nozzles are supplied as part of one of the Standard Arcoflame Burner Control Sets shown on page 16.

HEAT LIB-O-RATOR MOLDED REFRACTORY COMBUSTION CHAMBERS FOR SARATOGA and WESTMORELAND UNITS

Trade Prices — When Ordered Separately

Stock Number	Sunbeam Unit Number	Max. Gals. per Hour	Trade Prices
0 S	E-1120-F	1.50	\$12.00
1 S	B-1124-BA	1.75	15.00
2 S	B-1127-BA B-1134-BC-18-1/2	2.25	16.50
3 S	B-1134-BC-18-3/4 B-1134-BC-21-1/4	3.75	18.50

**Water Heater
Coils**

**AMERICAN-Standard Gas Conversion Burners
HEATING EQUIPMENT Blower-Filter Units**

Sunbea

**AMERICAN GAS CONVERTOR
FOR WARM AIR GRAVITY FURNACES OR WINTER AIR CONDITIONERS
Catalogue Page S56**

Convertor Number	A.G.A. Maximum Input Rating Btu per Hour	**Warm Air Output at Bonnet Btu per Hour	*Trade Prices with Regular Equipment	Approximate Shipping Weight
13-A-F	150,000	115,000	\$100.00	158
15-A-F	180,000	135,000	104.75	180
19-A-F	240,000	180,000	110.55	212
23-A-F	360,000	270,000	126.30	277

*Regular Equipment includes complete burner assembly with refractory baffles and front panel assembly, No. 566 Thermator throttling valve with thermo-pilot and upper limit control, gas pressure governor and DL No. 411-CH plain room thermostat.

NOTE: If Thermostat is not desired, deduct \$8.55 from above Trade Prices.

**For Winter Air Conditioners. For Gravity Furnaces, reduce outputs 6%.
RATINGS SHOWN ARE FOR SEA LEVEL. RATINGS SHOULD BE REDUCED AT THE RATE OF 5 PER CENT FOR EACH 1,000 FEET ABOVE SEA LEVEL.

**SUNBEAM BLOWER-FILTER UNITS
Catalogue Page S22-27**

Unit Number	Diameter of Wheel	Motor Horsepower	Trade Prices		Approx. Shipping Weight	
			With Cabinet and Filters	Less Cabinet and Filters	With Cabinet and Filters	Less Cabinet and Filters
D-1-9	9"	1/4	\$ 64.00	\$ 48.50	142	69
D-1-10 1/2	10 1/2"	1/4	72.00	54.50	146	73
D-1-12	12"	1/4	86.00	63.50	181	94
D-1-15	15"	1/2	124.00	98.00	241	121
1-18-FB	18"	1/2	188.00	139.00	478	287
1-21-FB	21"	3/4	255.00	188.50	633	392

Standard Equipment includes pulleys, belt and resilient mounted blower and motor.
MH No. LA-412-A or Detroit Lubricator CA-810 blower switch-single pole can be furnished at additional Trade Price of \$8.40.

**AIR FILTERS FOR REPLACEMENT
Catalogue Page S57**

Standard Filter Sizes	Trade Prices Each		NOTE: Filters as shown at left are packaged in cartons of twelve (12) of one size and must be ordered in this minimum quantity.
	1" Thick	2" Thick	
20" x 25"	\$0.92	\$1.33	
20" x 20"	.80	1.16	
16" x 25"	.80	1.16	
16" x 20"	.80	1.16	
15" x 20"	.80	1.16	
10" x 20"	.70	.97	

***AUXILIARY WATER HEATER COILS
Catalogue Page S28, 57**

No. of Coil	For Gravity Furnaces and Winter Air Conditioners For Use in Coal Burning Units Only	Approximate Shipping Wt.	Trade Prices
No. 1 x 22" Straight	†No. A-1018-CD,-BD	6 1/2 lbs.	\$1.30
No. 1 x 24" Straight	†No. A-1040-CD,-BD; A-1044-CD,-BD	7 lbs.	1.40
No. 1 x 26" Straight	†No. A-1048-CD,-BD; No. A-1052-CD,-BD; No. C-8034; No. C-3480-B	7 1/2 lbs.	1.40
No. 1 Formed	†No. D or BD-522; No. D or BD-524; No. D-5522; No. D-5524	7 1/2 lbs.	3.50
No. 2 Formed	†No. D or BD-527; No. D-8030; No. D-3080; No. D-5527	7 lbs.	3.80
No. 3 Formed	†No. D or BD-520; No. D-5520	6 1/2 lbs.	3.45

*In ordering, be sure to specify the coil number and the furnace or conditioner with which it is to be used. For example, No. 1 x 26" Straight Coil, for No. A-1048-CD Furnace, or No. C-3480-B Winter Air Conditioner.
†The same coils are used with both pipe and pipeless furnaces.

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Sunbeam

AMERICAN-Standard HEATING EQUIPMENT

Humidifying
Equipment

HUMIDIFYING EQUIPMENT

Humidifier Number	Description	Trade Prices
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FOR GRAVITY FURNACES:

WA Catalogue Page 528	Automatic Drip Humidifier: Self-contained Heat Actuated Feed Valve Assembly, Metal Pan, Shut-off Valve, Water Line and Couplings.	\$ 9.25
	Water Pan for ARLINGTON "SQUARE" Water Pan with Cast Iron Frame that attaches to Jacket.	\$ 3.50

FOR WINTER AIR CONDITIONERS:

H-4x Catalogue Page 558	Automatic Spray Humidifier: (For use with all Winter Air Conditioners except Seneca and Wyandotte Units) No. H-14 Friez Humidistat. No. V-637-A Solenoid Water Valve including Transformer. 2 No. 390 Water Strainers. No. 26 Water Pressure Reducing Valve. No. 50 Assembly including: Tubing and Fittings, Shut-Off Valve, 4 Spray Nozzles with individual Shut-Off Valves. Spray Pan with capacity Adjusting Plate. Nozzle Cleaning Rod, 3 Rubber Caps for Spray Nozzles not in use.	\$45.00
S-400 Catalogue Page 558	Float Humidifier: Evaporating Plates. Evaporating Pan. Water Reservoir with Float and Valve. Flexible Tube and Pipe Clamp Valve. S-401: For SUA-55; K-60; KUA-60. S-402: For D-5520, D-5522, D-5524; E-1120-F, SL-70, SL-85, SL-105, SL-125, SL-150; SUA-70, SUA-85; SU-105; K-80, K-100, K-120, K-150. S-403: For D-5527; B-1124-BA; K-180, K-200, K-240. S-404: For D-3080; B-1127-BA; K-300. S-405: For C-3480-B; B-1134-BC-18-1/2-18-1/2-21-1/2. Extra Evaporating Plates, Trade Price Each \$.17	\$11.65 11.65 12.75 13.75 15.00
	Water Pan for ALLERTON, CLIFFDALE, SARATOGA and WESTMORELAND Water Pan with Cast Iron Frame that attaches to Jacket.	\$ 3.50

Temperature
Control Equipment

AMERICAN-Standard
HEATING EQUIPMENT

Sunbeam

Combination	Description	Trade Prices
FOR ALL HAND FIRED GRAVITY FURNACES:		
Mechanically Controlled		
M-x Catalogue Page S29	MH Metaphram Draft Control. A self-contained mechanical draft and check regulating instrument.	\$ 8.40
Thermostatically Controlled		
A-1x Catalogue Page S28	MH No. T-81-A Plain Thermostat. MH No. LA-119-A Limit Switch (Airstat). MH No. M-87-A Damper Motor with Transformer. No. 933 Accessories (Chain, S-Hooks and Pulleys).	\$33.15

FOR ALL HAND FIRED WINTER AIR CONDITIONERS:		
Mechanically Controlled		
M-x Catalogue Page S59	MH Metaphram Draft Control. A self-contained mechanical draft and check regulating instrument.	\$ 8.40
Catalogue Page S59	No. CA-810 DL Blower Switch. No. LA-412-A MH Blower Switch (Furnacestat). When Room Thermostat Draft Controls are not used, a blower switch is necessary for starting and stopping blower when bonnet temperature rises or falls. When controls as listed in Combination B-1X below are used, blower switch is included in control equipment.	\$ 8.40 \$ 40
	Thermostatically Controlled	
B-1x Catalogue Page S59	MH No. T-81-A Plain Thermostat. MH No. LA-101-A Blower and Limit Switch (Furnacestat). MH No. M-87-A Damper Motor with Transformer. No. 933 Accessories (Chain, S-Hooks and Pulleys).	\$40.20
B-5x	Same as above except with substitution of MH No. T-847-A Chronotherm for No. T-81-A Plain Thermostat.	\$57.83

OPTIONAL THERMOSTATS

OPTIONAL THERMOSTAT—Description	Extra* Trade Prices	For Use only with		Replaces
		Unit	Control Combination No.	
411-CDN Day-Night Heat Compensated Thermostat AND 772 Tem-Clock	\$17.63	SHAWNEE SENECA WYANDOTTE MOHAWK CHIPPEWA	G-1 A-1 A-1 or A-4 A-1 or A-6 A-16, A-16E, A-17	411-CH Plain Thermostat
T-109-A Da-Nite Thermostat (Manually Set)	\$ 9.08	SHAWNEE SENECA and WYANDOTTE	G-3 A-3	T-11-A Plain Thermostat
T-147-A Night and Day Electric Clock Thermostat (Chronotherm)	\$17.63	MOHAWK	A-8 or A-9	
T-801-A Time-O-Stat	\$ 5.93	SAGINAW SHAWNEE	E G-2	T-81-A Plain Thermostat
T-847-A Night and Day Electric Clock Thermostat (Chronotherm)	\$17.63	SENECA and WYANDOTTE MOHAWK and CHIPPEWA	A-2 A-7	

*These Extras to be added to Trade Prices of Units. Do not apply if ordered separately.

AUTOMATIC NIGHT TURN DOWN ASSEMBLY

No.	Description	Trade Price	For Use only with	
			Unit	Control Combination No.
411-TD Night Turn Down assembly AND 772 Tem-Clock	Used to convert existing 411-CH Plain Thermostat to automatic Day-Night operation	\$18.08	SHAWNEE SENECA WYANDOTTE MOHAWK CHIPPEWA	G-1 A-1 A-1 or A-4 A-1 or A-6 A-16, A-16E, A-17

SE-3

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