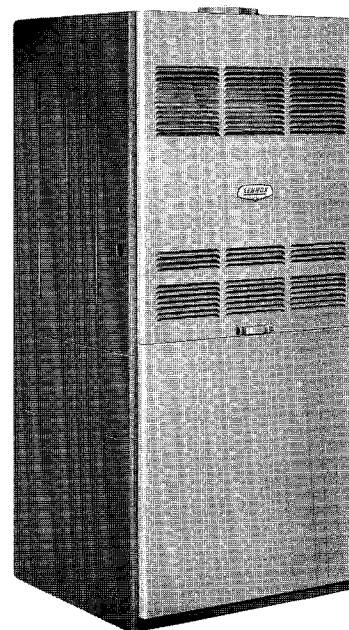




**FORCED AIR GAS FURNACES—UP-FLO  
GH6-200  
200,000 Btuh INPUT  
Add-On Cooling — 4 or 5 Nominal Tons**

- Attractive Cabinet
- Rugged Heat Exchanger
- Cast Iron Burners
- Sulky Blower
- Hammock Filter
- Sized For Air Conditioning
- Low Installation Cost
- Complete Service Access

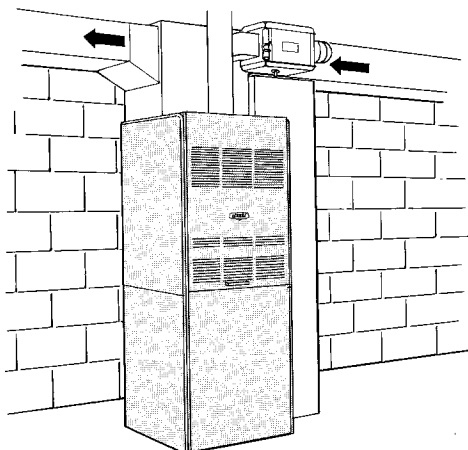


**Up-Flo Gas Furnace Provides Dependability and Application Choice**

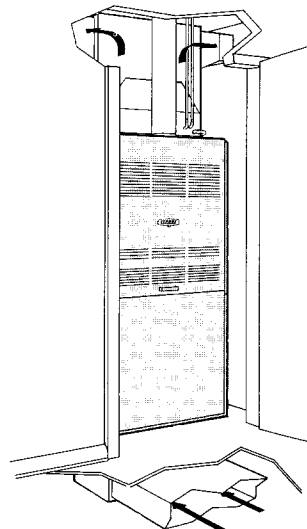
The GH6-200 up-flo gas furnace is equally applicable to residential and commercial applications. Unit can be installed in a basement, utility room or closet. Traditional Lennox quality is evident in the heavy gauge steel cabinet with rounded corners and deluxe baked-on enamel finish. A Lennox direct expansion evaporator unit, matching condensing unit, electronic air cleaner and power humidifier can be added to the furnace for a complete all season Total Comfort installation. The cabinet is sized and internally designed to minimize air resistance. Quiet operating blower has sufficient

capacity to handle air conditioning air volume requirements. The design of the furnace is completely certified by A.G.A. In addition, unit has been developed and thoroughly tested in the Lennox Research Laboratory. Each unit is test operated on the assembly line before shipment to insure proper operation. Blower data is from actual unit tests conducted in the Lennox Laboratory air test chamber. Units are shipped factory assembled with all controls installed, piped and wired. Installer has only to mount thermostat, make duct, flue, gas supply and electrical supply connections to complete a low cost installation.

**Typical Applications**



Basement Installation  
With spray humidifier



Closet Installation  
With cooling coil

NOTE—Specifications, ratings and dimensions subject to change without notice.

**Attractive Durable Cabinet**—Constructed of heavy gauge cold rolled steel. Die-formed rounded corners with a deluxe baked-on enamel finish. Interior metal liners and corrugated asbestos insulation keep outer cabinet surface temperatures low. Adjustable leveling bolts are provided in base section. Large access doors at front of cabinet provide complete service access to furnace and blower compartments. Gas piping and electrical inlet knockouts are provided in both sides of cabinet.

**Powerful Blower**—Equipped with belt drive sulky blower. All moving parts are mounted on a rigid steel frame secured to blower housing on resilient rubber mounts assuring quiet operation. Motor mount design allows easy belt adjustment and pulley alignment. Blower wheel is statically and dynamically balanced. Adjustable motor pulley permits various speed adjustments. Bearings are rubber enclosed, self aligning, solid bronze, grooved and graphite filled. Large grease cups are furnished for lubrication.

**Large Efficient Filter**—Wrap-around type filter provides abundant filter area. Media is one inch thick oil impregnated fiberglass. Filter mounting rack design provides quick and simple replacement of media for servicing.

**Fan and Limit Controls**—Factory installed and accurately located fan and limit controls give protection against abnormal operating conditions and controls blower operation.

**Rugged Heat Exchanger**—Clamshell type heat exchanger is constructed of heavy gauge steel with continuous edge-weld construction. Edge-welding and flexible connection between vestibule panel and heat exchanger allows normal expansion with a minimum of noise and metal stress. Design provides maximum efficiency and low resistance to air flow.

**Cast Iron Burners**—Long multi-slotted, non-clogging burners provide a soft uniform flame without impingement. Accessible primary air shutter on each burner provides accurate and simple individual air adjustment.

**Automatic Gas Controls**—Silent operating factory installed gas controls provide 100% safety shut off. Manual lighted pilot burner provides sure and safe burner ignition.

**Transformer**—24 volt control transformer is furnished as standard and factory installed.

**Thermostat (Not Furnished)**—Heating thermostat is optional equipment and must be ordered extra. For all season applications heating-cooling thermostat and blower cooling relay are furnished with condensing unit. A conduit adapter (BM-6529) is required to modify relay for mounting. Adapter must be ordered extra.

**SPECIFICATIONS**

| Model No.                                  | GH6-200            |
|--|--------------------|
| Btuh input                                 | 200,000            |
| Btuh output @ bonnet                       | 160,000            |
| Cfm for 100F temperature rise              | 1460               |
| Flue size, (in. round)                     | 7                  |
| High statics certified by A.G.A. (in. wg.) | .75                |
| Gas piping size                            | Natural 3/4        |
| I.P.S.                                     | Propane 1/2        |
| Blower wheel nominal diam. x width (in.)   | 12 x 12            |
| Blower motor horsepower                    | 1/3                |
| Blower pulley bore x diam. (in.)           | 1 x 7—"0"          |
| Motor pulley bore x diam. (in.)            | 1/2 x 3-1/8        |
| Belt                                       | 3L410              |
| Rpm range with drives furnished            | 540-740            |
| Net filter area (sq. ft.) & cut size (in.) | (8.13) 45 x 30 x 1 |
| Tons of cooling that can be added          | 4 or 5             |
| Net weight (lbs.) (2 packages)             | 445                |
| Electrical characteristics                 | 115V-60Hz-1ph      |

NOTE—High altitude de-rating—A.G.A. requires that gas furnaces be de-rated by 4% per thousand feet above sea level when the installation is at an altitude of 2000 feet or more. Thus an altitude of 3000 feet would require a 12% de-rating.

**A.G.A. INSTALLATION CLEARANCES (inches)**

|                   |             |
|-------------------|-------------|
| Sides, Top & Rear | 1           |
| *Front            | 6           |
| Floor             | Combustible |
| **Flue            | 6           |

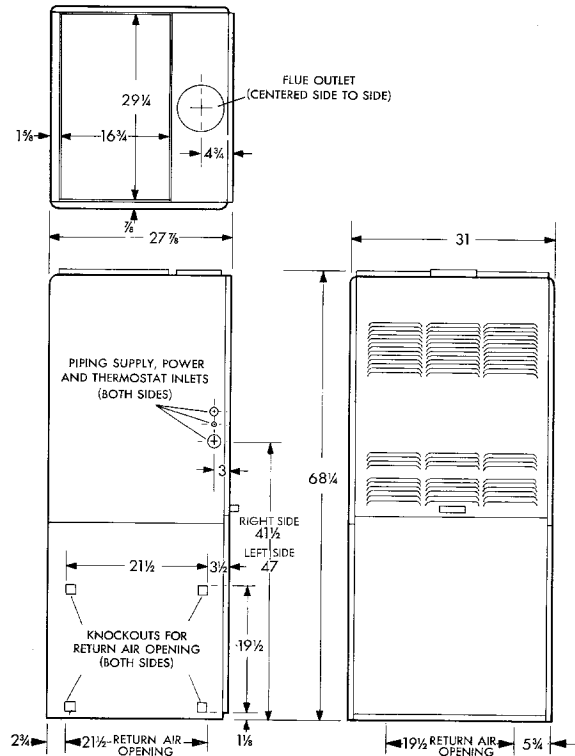
\*Front clearance to combustible material. Approximately 30 inches clearance is required for filter and blower servicing.

\*\*This is clearance to all flue pipes except type "B". Type "B" flue clearance is listed by U.L.

When the furnace is installed in a confined space, two openings must be provided into the confined area, one opening near the top of the enclosure and one near the bottom. Each opening must have one square inch of free area per 1000 Btuh input and must not be smaller than 100 square inches of free area.

**DIMENSIONS (in.)**

NOTE: Unit is in two sections. The heating section is 38-1/4" high and weighs 295 lbs. The blower section is 30" high and weighs 150 lbs.



**BLOWER DATA**

| Air Volume (cfm) | Static Pressure External To Unit (Inches Water Gauge) |     |     |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------------------|---|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                  | 0   |     | .10 |     | .20   |       | .30   |       | .40   |       | .50   |       | .60   |       | .70   |       | .80   |       | .90   |       | 1.0   |       |
|                  | RPM   | BHP | RPM | BHP | RPM   | BHP   | RPM   | BHP   | RPM   | BHP   | RPM   | BHP   | RPM   | BHP   | RPM   | BHP   | RPM   | BHP   | RPM   | BHP   | RPM   | BHP   |
| 1200             | 370   | .08 | 450 | .12 | 520   | .16   | 580   | .19   | 635   | .23   | 685   | .26   | 730   | .30   | 780   | .34   | 830   | .38   | 875   | .42   | 920   | .47   |
| 1400             | 425   | .13 | 500 | .18 | 560   | .22   | 620   | .26   | 670   | .30   | 720   | .34   | 765   | .39   | 810   | .44   | 850   | .48   | 900   | .52   | 930   | .56   |
| 1600             | 490   | .20 | 550 | .24 | 615   | .30   | 660   | .34   | 710   | .39   | 755   | .44   | 800   | .49   | 840   | .54   | 880   | .59   | 925   | .64   | 960   | .68   |
| 1800             | 550   | .29 | 610 | .34 | 660   | .39   | 710   | .45   | 750   | .50   | 800   | .56   | 840   | .62   | 875   | .67   | 920   | .72   | 955   | .78   | 990   | .83   |
| 2000             | 610   | .39 | 660 | .45 | 715   | .51   | 755   | .57   | 800   | .63   | 840   | .69   | 880   | .75   | 925   | .82   | 955   | .87   | 990   | .93   | ----- | ----- |
| 2200             | 670   | .51 | 720 | .58 | 765   | .65   | 810   | .72   | 850   | .79   | 890   | .85   | 925   | .91   | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| 2400             | 735   | .67 | 775 | .74 | 820   | .82   | 855   | .89   | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| 2600             | 790   | .85 | 830 | .92 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |

NOTE—All cfm data is measured external to the furnace using standard return air opening with the air filter in place.

**BLOWER DRIVES FOR ADDITIVE COOLING**

Furnaces are shipped with drives that will handle average heating requirements. When a more powerful drive is required for cooling select

it from table below. Furnaces can be shipped with correct drive mounted. Specify tons of cooling when ordering.

| Furnace and additive cooling   | Blower Pulley (in.) & Groove | Motor Pulley (in.) | Belt  | *Rpm Range | Motor Hp |
|--------------------------------|------------------------------|--------------------|-------|------------|----------|
| GH6-200 with 4 tons of cooling | 1 x 8 - A                    | 5/8 x 4-1/8        | 4L440 | 605-820    | 1/2      |
| GH6-200 with 5 tons of cooling | 1 x 7 - A                    | 5/8 x 4-1/8        | 4L420 | 690-935    | 3/4      |

\*At 1725 rpm motor speed.