Maximum Comfort. Maximum Efficiency.

An Unbeatable Combination!

95% Two Stage Gas Furnace with ECM Variable Speed Blower

Comfort-Aire®

MARS® Delivering Confidence

Here's how our two stage furnace gives you maximum comfort and maximum efficiency

A conventional single stage furnace operates at high heat until the thermostat is satisfied, then shuts off until there's a demand for heat again. As a result the house is constantly warming up and cooling off. But with a two stage furnace, these temperature swings are virtually eliminated and your home stays at the comfort level you select.

Most of the time, a two stage furnace operates in the low stage, delivering a gentle yet steady flow of heated air. When the weather turns really cold, the furnace automatically shifts into the high stage, providing the extra heat needed to keep the home at the desired comfort level.

Whenever the furnace is in the low stage, energy is saved because the burner flame is smaller and the blower fan runs at a slower speed. Even in the high stage, this model with its AFUE rating of 95% saves on utility bills.

Less on-off cycling reduces wear and tear on components. Also, with the furnace running for longer periods of time, more air is passing through the filter, helping improve indoor air quality at the same time.

The ECM variable speed blower motor adjusts the blower speed to deliver the airflow required by the system. By maintaining constant airflow across a wide range of external static pressures in the air ducts, it results in more even temperatures than a single speed motor can provide. And because air is constantly being drawn across the filter, indoor air quality and humidity control are enhanced. In addition, the blower is designed to deliver the conditioned air quietly.

Igniter Technology

The control board is programmed to learn individual igniter heat-up and then to adjust the heat-up interval to best suit the furnace's characteristics, ensuring reliable ignition while helping to prolong igniter life.

Outstanding Warranty

The primary and secondary heat exchangers on the two stage 95% furnace are covered by a limited lifetime warranty; other components are covered for 12 years.
(Limitations apply; see printed warranty or web site for details.)

Reliability You Can Trust

Heat Controller, Comfort-Aire's parent company, has been in the furnace business since its founding in 1933—in fact, the company can trace its roots to the Wingert Furnace Co. which began building coal, gas and oil furnaces in 1907. Air conditioning equipment was later added to round out the product line.

Known today for efficient, reliable equipment for both heating and cooling, Comfort-Aire® continues to keep homes and businesses comfortable, season after season.

ENERGY STAR

AHRI CERTIFIED

QUALIFIES
FEDERAL TAX CREDITS FOR ENERGY EFFICIENCY

GUH95T Series

For year-'round comfort, ask your dealer about our line of central air conditioning—the perfect match for energy savings!

Specifications

GUH95T Models	-060B4	-080C5	-100C5	-120D5
Input-BTUH—High Fire[1]	60,000	80,000	100,000	120,000
Input-BTUH—Low Fire	39,000	52,000	65,000	78,000
Heating Cap. BTUH—High Fire	57,000	76,000	95,000	114,000
Heating Cap. BTUH—Low Fire	37,050	49,400	61,750	74,100
AFUE	95.1%	95.1	95.1	95.1
Blower D x W	11 x 8	11 x 10	11 x 10	11 x 10
Motor HP - Type	1/2 - Variable Speed	3/4 - Variable Speed	3/4 - Variable Speed	1.0 - Variable Speed
Motor FLA	6.2	8.7	8.7	11.7
Rated Ext. SP in W.C.	0.5	0.5	0.5	0.5
Temp. Rise Range ºF	30 - 60	35 - 65	35 - 65	40-70
Power Supply	115-1-60	115-1-60	115-1-60	115-1-60
Shipping Weight (lbs/kg)	125/56.7	135/61.2	145/65.8	160/72.6

Gas connection for all models is 1/2" N.P.T.

[1]Ratings to 2,000 ft. Over 2,000 ft, reduce 4% for each 1,000 ft. above sea level.

Model Nomenclature

G	UH	95	T	060	B	4	X	E
Gas Furnace	UH=Upflow/ Horizontal	AFUE 95%	T=Two Stage/ Variable Speed ECM	Heating Input BTUH 060=60,000 120=120,000	Cabinet Width B=17 1/2" C=21" D=24 1/2"	Max. CFM Cooling* 4=1600 CFM 5=2000 CFM *Airflow @ 0.5 ESP or 400 CFM/ton	X=Low Nox	Series/ Revision

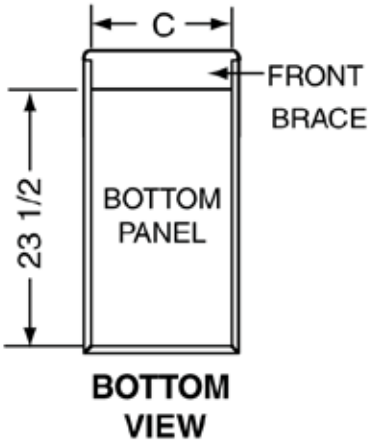
95% Two Stage Accessories

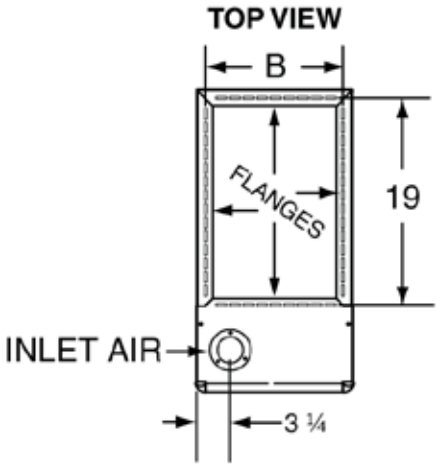
PART NO.	DESCRIPTION
904952	2" Concentric vent kit
904953	3" Concentric vent kit
904617	2" Side wall vent kit
904347	3" Side wall vent kit

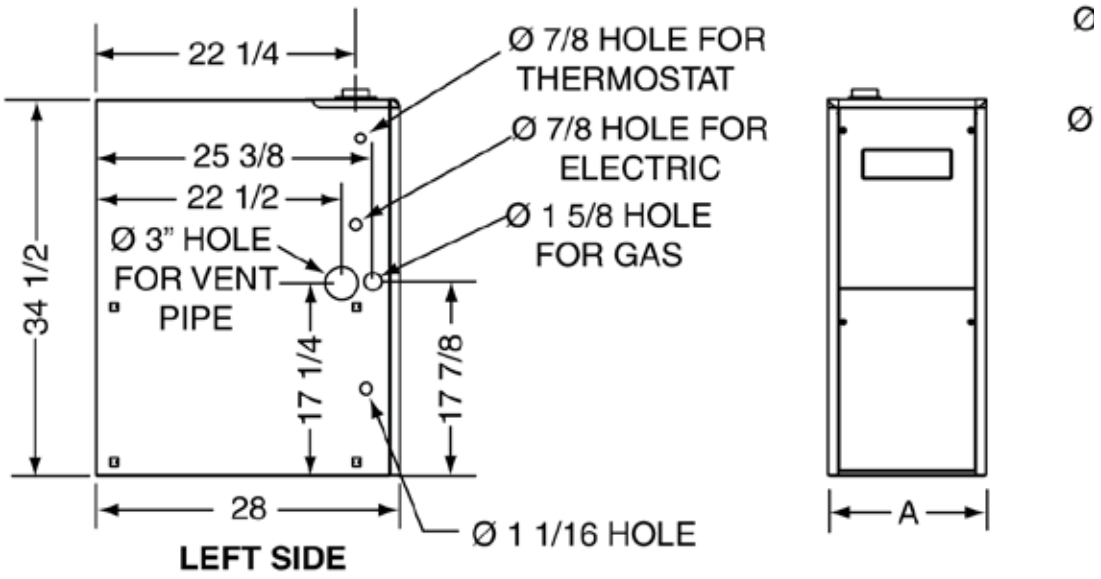
PART NO.	DESCRIPTION
905028	U.S. LP conversion kit (0 - 10,000 ft.)
905029	Canada LP conversion kit (0 - 4500 ft.)
541036	Side return filter kit
902377	Neutralizer kit

Category IV Venting System: Units may be vertically or horizontally vented using either a one-pipe or two-pipe system, allowing maximum flexibility in installation.

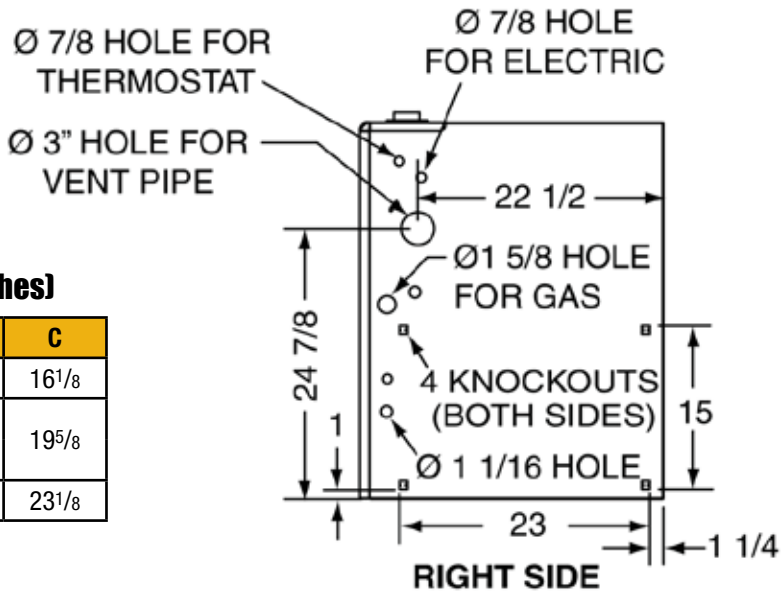
Specifications - Dimensions







IMPORTANT: Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.



95% Two Stage Gas Furnace (inches)

GUH95T Models	A	B	C
-060B4	17 1/2	15 7/8	16 1/8
-080C5	21	19 3/8	19 5/8
-100C5			
-120D5	24 1/2	22 7/8	23 1/8

Blower Performance

NOTES:

1. Temperature rises in the tables are approximate; actual temperature rises may vary.
2. Temperature rises in gray shaded areas are for reference only; these conditions are not recommended.
4. Two openings are recommended for airflows above 1600 CFM if filter(s) adjacent to furnace.

WARNING

THESE FURNACES ARE NOT APPROVED OR RECOMMENDED FOR USE IN MOBILE HOMES

GUH060B4XE

Switch Settings Heat				Input 60,000 BTUH	
A/B	2	3	4	CFM	Temp Rise °F
1	0	0	0	1000	53
1	0	0	1	1100	48
1	0	1	0	1200	44
1	0	1	1	1300	41
1	1	0	0	1400	38
1	1	0	1	1500	35
1	1	1	0	1600	33
1	1	1	1	1700	31

GUH080C5XE & GUH100C5XE

Switch Settings Heat				Input 80,000 BTUH		Input 100,000 BTUH	
A/B	2	3	4	CFM	Temp Rise °F	CFM	Temp Rise °F
#	0	0	0	1000	70	1000	88
#	0	0	1	1115	63	1115	79
#	0	1	0	1230	57	1230	72
#	0	1	1	1345	52	1345	65
#	1	0	0	1460	48	1460	60
#	1	0	1	1575	45	1575	56
#	1	1	0	1690	42	1690	52
#	1	1	1	1805	39	1805	49

Switch not used—can be 0 or 1

GUH120D5XE

Switch Settings Heat				Input 120,000 BTUH	
A/B	2	3	4	CFM	Temp Rise °F
#	0	0	0	1500	70
#	0	0	1	1615	65
#	0	1	0	1730	61
#	0	1	1	1845	57
#	1	0	0	1960	54
#	1	0	1	2075	51
#	1	1	0	2190	48
#	1	1	1	2305	46

Switch not used—can be 0 or 1

Comfort-Aire®

Cooling Airflow

GUH060B4XE

Switch Settings					CFM		Nominal A/C and Heat Pump Capacity
Heat	Cool						
A/B	5	6	7	8	Low	High	
1	0	0	0	0	485	700	3.5 Ton
1	0	0	0	1	525	760	3.5 Ton
1	0	0	1	0	565	820	3.5 Ton
1	0	0	1	1	605	880	3.5 Ton
1	0	1	0	0	650	940	3.5 Ton
1	0	1	0	1	690	1000	3.5 Ton
1	0	1	1	0	730	1060	3.5 Ton
1	0	1	1	1	775	1120	3.5 Ton
1	1	0	0	0	815	1180	3.5 Ton
1	1	0	0	1	855	1240	3.5 Ton
1	1	0	1	0	895	1300	3.0 Ton
1	1	0	1	1	940	1360	3.0 Ton
1	1	1	0	0	980	1420	3.0 Ton
1	1	1	0	1	1020	1480	3.0 Ton
1	1	1	1	0	1065	1540	2.5 Ton
1	1	1	1	1	1105	1600	2.5 Ton

GUH080C5XE & GUH100C5XE

Switch Settings					CFM		Nominal A/C and Heat Pump Capacity
Heat	Cool						
A/B	5	6	7	8	Low	High	
#	0	0	0	0	705	1025	5.0 Ton
#	0	0	0	1	750	1090	5.0 Ton
#	0	0	1	0	795	1155	5.0 Ton
#	0	0	1	1	840	1220	5.0 Ton
#	0	1	0	0	885	1285	5.0 Ton
#	0	1	0	1	930	1350	5.0 Ton
#	0	1	1	0	975	1415	4.0 Ton
#	0	1	1	1	1020	1480	4.0 Ton
#	1	0	0	0	1065	1545	4.0 Ton
#	1	0	0	1	1110	1610	4.0 Ton
#	1	0	1	0	1155	1675	4.0 Ton
#	1	0	1	1	1200	1740	3.5 Ton
#	1	1	0	0	1245	1805	3.5 Ton
#	1	1	0	1	1290	1870	3.5 Ton
#	1	1	1	0	1335	1935	3.0 Ton
#	1	1	1	1	1380	2000	2.0 Ton

Switch not used—can be 0 or 1

GUH120D5XE

Switch Settings					CFM		Nominal A/C and Heat Pump Capacity
Heat	Cool						
A/B	5	6	7	8	Low	High	
#	0	0	0	0	965	1400	5.0 Ton
#	0	0	0	1	995	1440	5.0 Ton
#	0	0	1	0	1020	1480	5.0 Ton
#	0	0	1	1	1050	1520	5.0 Ton
#	0	1	0	0	1075	1560	5.0 Ton
#	0	1	0	1	1105	1600	5.0 Ton
#	0	1	1	0	1130	1640	4.0 Ton
#	0	1	1	1	1160	1680	4.0 Ton
#	1	0	0	0	1185	1720	4.0 Ton
#	1	0	0	1	1215	1760	4.0 Ton
#	1	0	1	0	1240	1800	4.0 Ton
#	1	0	1	1	1270	1840	4.0 Ton
#	1	1	0	0	1295	1880	3.5 Ton
#	1	1	0	1	1325	1920	3.5 Ton
#	1	1	1	0	1350	1960	3.5 Ton
#	1	1	1	1	1380	2000	3.5 Ton

NOTES: Furnaces are not listed for use with fuels other than natural or L.P. (propane) gas.

All models can be converted by a qualified distributor or local service dealer to use L.P. (propane) gas. Factory approved kits must be used to convert from natural to L.P. (propane) gas and may be ordered as options.

For L.P. (propane) operation, refer to instructions packed with conversion kit.

All models are approved for vertical non direct (1 pipe) and direct (2 pipe) venting applications. See installation instructions for further details.

Features and Benefits

Save space as well as energy!

At just 34 ½” high, our two stage furnace is a real space miser. While it’s great for new construction, this energy efficient series is also ideal for replacements because it can fit in the space of virtually any older furnace. Its light weight and small dimensions make even bigger capacity models easy to unload and move up or down stairs and through doorways during installation. And the low profile design leaves plenty of room for add-ons, including the new higher SEER coils with taller cabinets.

Easily converted to L.P. (propane)

Kits are available to allow a trained installer to convert the furnace to L.P. gas source quickly and easily in the field. All that’s needed is a simple burner orifice and regular spring change.

Features and Benefits

- **Quiet Operation**—Blower compartment has sealed door and insulation to lock in heat and sound; sealed vestibule reduces burner and inducer sound levels; plus two stage inducer and ECM blower motor make this one of the quietest furnaces on the market
- **Extraordinary Efficiency**—Two heat exchangers deliver 95%+ of the heated air to the home, while the two stage inducer optimizes first stage efficiency
- **ECM Blower Motor**—Runs at a variety of speeds to match the load demand, for efficiency and quiet operation. Constant airflow through a wide variety of ductwork conditions reduces temperature stratification while improving indoor air quality
- **Hot Surface Igniter**—Silicon nitride type igniter is automatic, eliminating the need for a standing pilot light
- **Designed for Long Life**—Primary heat exchanger is made of heavy gauge aluminized steel and secondary heat exchanger is made of stainless steel; cabinet is steel with corosion resistant finish
- **Thermostat**—Can be used with either a single or two-stage thermostat; two stage is recommended for optimal efficiency (not included with furnace)

On-Board Diagnostics—Unlike some units that require counting flashes to determine the problem, the GUH95T has a dedicated light for flame signal strength, and two lights that illuminate in combination for easily recognized fault codes

Our High Efficiency Furnace May Actually Pay For Itself in Energy Savings!

A home is most people's biggest investment and making sure it's comfortable in all seasons is a primary concern. A Comfort-Aire gas furnace helps provide that comfortable environment. There are several types and a wide range of capacities to meet the home's specific requirements and the homeowner's individual preferences. Not only are the furnaces quality designed and constructed, they're energy efficient, helping to save on utility bills.

All Comfort-Aire products are backed by outstanding warranties and after-sales support. Experienced technicians can help solve operation and service issues over the phone. And our web site is another resource with owner's manuals and technical documentation for installers.

The compact size of our furnaces makes them ideal for replacements; builders and architects also appreciate the installation flexibility they offer for new construction. A Comfort-Aire dealer can evaluate the home and determine which furnace (and related equipment such as central air conditioning) is best suited to specific climates and needs.

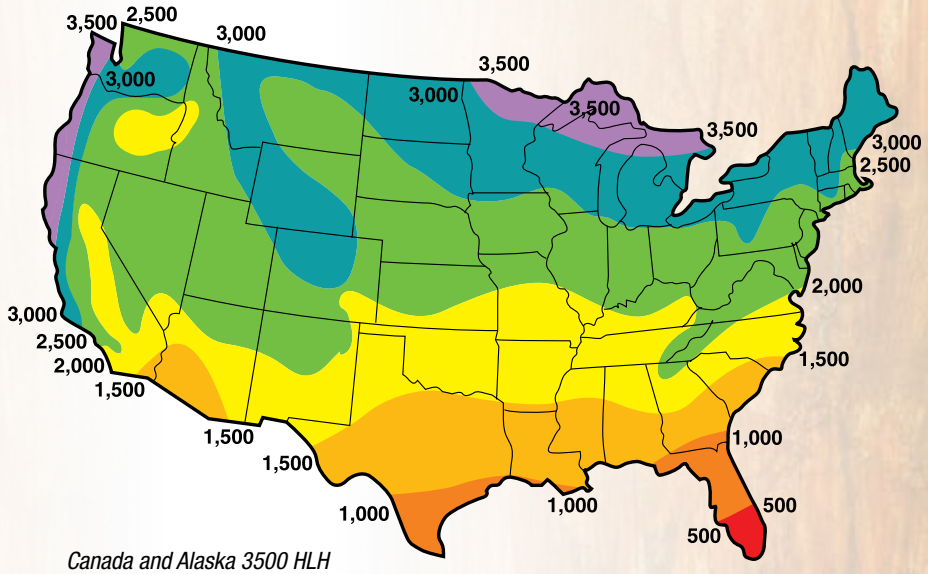
With our broad product range, Comfort-Aire has the model and accessories to suit just about any home's location and heating requirements.

Annual Fuel Utilization Efficiency (A.F.U.E. ratings) is your guide for comparing gas furnace efficiencies. The higher the number, the more efficient the furnace.

Beginning in 1992, the Federal Government required all gas furnaces to meet or exceed an A.F.U.E. (Annual Fuel Utilization Efficiency) rating of 78%. Although this was an improvement over previous furnace ratings of 65% or less, today's furnaces offer even greater efficiencies. Replacing your older gas furnace with a high efficiency 95% two stage model can result in significant energy savings.

And the greater the number of heating load hours for your area (see chart) the greater the energy savings.

Regional Winter Heating Load Hours



Canada and Alaska 3500 HLH

Specifications and performance data subject to change without notice.

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