Energy Saving. Space Saving.

An Unbeatable Combination!

92% Gas Furnace

Comfort-Aire®

MARS® Delivering Confidence

Comfort, efficiency, and dependability make an unbeatable combination in the 92% Comfort-Aire® gas furnace!

Energy Savings

Two heat exchangers make this one of the most efficient furnaces on the market today. The primary exchanger pulls about three-quarters of the available heat from the burner, then the secondary heat exchanger captures most of what's remaining. Using 92% or more of the heat output from each cubic foot of gas, this furnace delivers comfort and fuel savings.

A Perfect Fit

At only 34 ½" in height, the compact design is ideal for renovations and replacements. It will fit in virtually any space where a furnace was previously installed, including basements, utility rooms and closets.

For contractors and architects, the low profile design is a distinct advantage in the design phase. Available in upflow/horizontal and downflow models, the line offers many placement options.

Simple Installation

Our 92% furnace comes assembled and ready for installation. An integrated control board and color-coded wire harness simplify hook-ups. Because of its small size, the furnace is a snap to load and unload on a truck or van, and easily fits through doors, halls and stairways.

Quiet Operation

The sealed vestibule minimizes burner and inducer sound levels, while the blower compartment has a sealed door to reduce air leakage and insulation to contain operational sound. Quality components are all designed to provide clean, efficient, quiet combustion.

Outstanding Warranty

The primary and secondary heat exchangers are covered by a lifetime warranty; other components are covered for twelve years.

(Limitations apply; see printed warranty 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.

AHRI CERTIFIED

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

Upflow/Horizontal Specifications

GUH92A Models	038A3	054B4	072B4	072C5	090C5	108D5	120D5
Input-BTUH[1]	38,000	54,000	72,000	72,000	90,000	108,000	120,000
Heating Cap. BTUH	35,000	49,700	66,000	66,000	82,800	99,000	110,400
AFUE	92.1	92.1	92.1	92.1	92.1	92.1	92.1
Blower D x W	10 x 6	11 x 8	11 x 8	10 x 10	11 x 10	11 x 10	11 x 10
Motor HP/Speed/Type	1/3-4-PSC	1/2-4-PSC	1/2-4-PSC	1/2-4-PSC	1.0-4-PSC	1.0-4-PSC	1.0-4-PSC
Heating Speed*	Med-Low	Med-Low	Med-High	Med-High	Med-High	Med-High	Med-High
Cooling Speed*	High	High	High	High	High	High	High
Motor FLA	4.80	8.20	8.20	7.50	13.75	13.75	13.75
Rated Ext. SP in W.C.	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Temp. Rise Range ºF	30-60	30-60	35-65	35-65	35-65	40-70	40-70
Shipping Weight (lbs)	100	120	125	130	135	155	155

* Factory setting
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.

GUH92-Model	Input BTUH	Motor Speed	External Static Pressure (Inches Water Column)															
			0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8	
			CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise
-038A3	38K	High*	1330	24	1285	25	1230	26	1175	28	1125	29	1055	31	985	33	925	35
		Med Hi	1195	27	1150	28	1100	29	1060	31	1000	32	940	34	875	37	790	41
		M-Low†	840	39	825	39	800	40	770	42	730	44	685	47	640	51	560	58
		Low	680	48	675	48	655	49	620	52	600	54	560	58	515	63	450	72
-054B4	54K	High*	1630	28	1595	29	1560	29	1525	30	1480	31	1430	32	1365	34	1320	35
		Med Hi	1315	35	1280	36	1260	37	1230	37	1200	38	1160	40	1120	41	1060	43
		M-Low†	980	47	955	48	925	50	890	52	855	54	825	56	775	59	715	64
		Low	755	61	725	63	690	67	650	71	615	75	580	79	545	84	510	90
-072B4	72K	High*	1670	37	1630	38	1600	38	1550	40	1495	41	1450	42	1390	44	1300	47
		Med Hi†	1325	46	1300	47	1280	48	1245	49	1220	50	1165	53	1140	54	1080	57
		M-Low	1180	52	1165	53	1140	54	1100	56	1075	57	1040	59	985	62	910	67
		Low	940	65	910	67	870	70	935	66	815	75	790	78	730	84	640	96
-072C5	72K	High*	1970	31	1865	33	1780	34	1695	36	1615	38	1505	41	1385	44	1275	48
		Med Hi†	1845	33	1780	34	1715	36	1615	38	1530	40	1440	43	1340	46	1230	50
		M-Low	1305	47	1250	49	1200	51	1150	53	1090	56	1040	59	965	64	865	71
		Low	1185	52	1145	54	1110	55	1065	58	1020	60	965	64	905	68	840	73
-090C5	90K	High*	2240	34	2175	35	2100	37	2040	38	1985	39	1910	40	1825	42	1725	44
		Med Hi†	2095	37	2040	38	2000	38	1935	40	1875	41	1825	42	1765	43	1680	46
		M-Low	1775	43	1740	44	1705	45	1655	46	1615	47	1555	49	1490	51	1335	57
		Low	1465	52	1445	53	1420	54	1385	55	1360	56	1325	58	1285	60	1260	61
-108D5	108K	High*	2115	43	2075	44	2020	46	1955	47	1890	49	1822	50	1720	53	1660	55
		Med Hi†	1980	46	1935	48	1880	49	1830	50	1780	52	1720	53	1650	56	1555	59
		M-Low	1650	56	1645	56	1610	57	1575	58	1515	61	1485	62	1400	66	1330	69
		Low	1370	67	1345	68	1300	71	1290	71	1260	73	1240	74	1190	77	1140	81
-120D5	120K	High*	2115	48	2075	49	2020	51	1955	52	1890	54	1822	56	1720	59	1660	62
		Med Hi†	1980	52	1935	53	1880	54	1830	56	1780	57	1720	59	1650	62	1555	66
		M-Low	1650	62	1645	62	1610	63	1575	65	1515	67	1485	69	1400	73	1330	77
		Low	1370	75	1345	76	1300	79	1290	79	1260	81	1240	82	1190	86	1140	90

Notes for Upflow Blower Specifications

* Factory set cooling speed
† Factory set heating speed

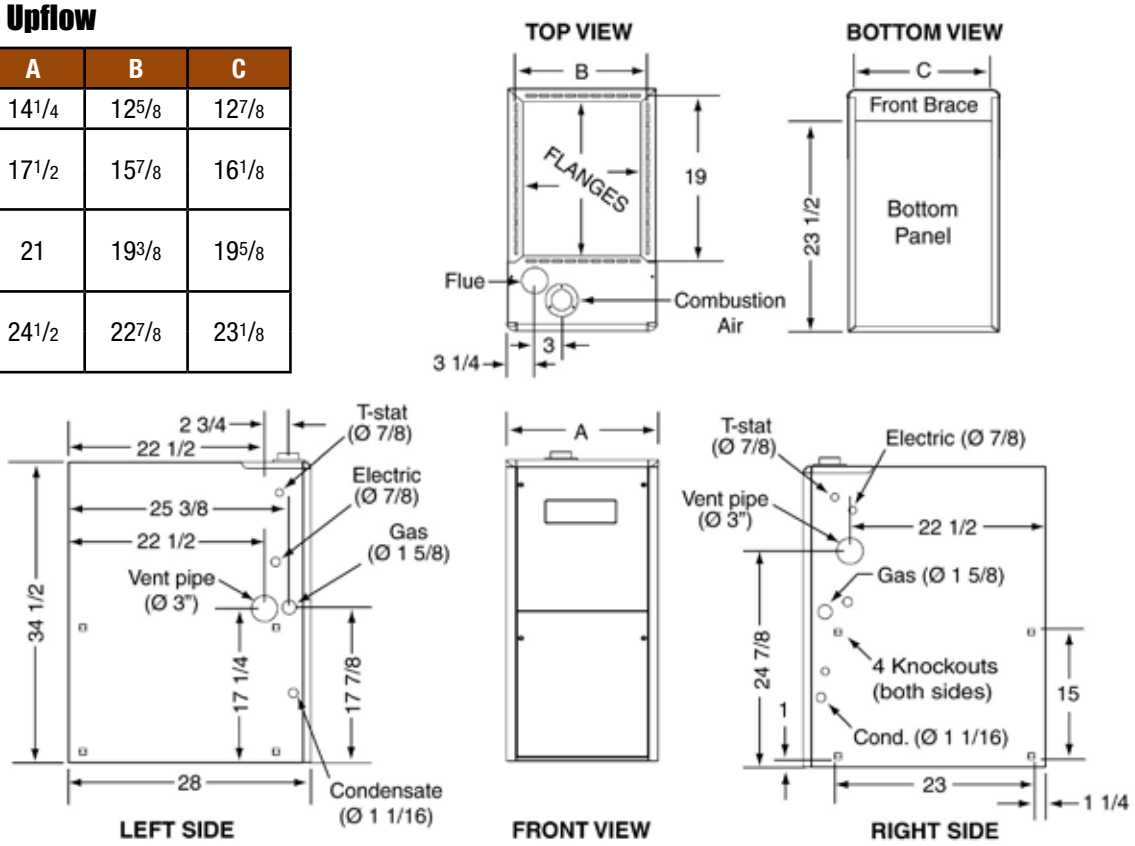
NOTES:
1. Temperature rises in the table are approximate; actual temperature rises may vary.
2. Temperature rises in shaded areas are for reference only; these conditions are not recommended.
3. Two openings are recommended for airflows above 1600 CFM if filter(s) adjacent to furnace.

Specifications shown for side return. See Technical Specifications for bottom return or two sides return.

Upflow Dimensions

92.1% Gas Furnace Upflow

GUH92A Models	A	B	C
-038A3	14 1/4	12 5/8	12 7/8
-054B4	17 1/2	15 7/8	16 1/8
-072B4			
-072C5	21	19 3/8	19 5/8
-090C5			
-108D5	24 1/2	22 7/8	23 1/8
-120D5			



Model Nomenclature

G	UH	92	A	038	A	3	X	F
Gas Furnace	UH=Upflow/ Horizontal DD=Dedicated Downflow	AFUE 92.1%	A=Single Stage/ Fixed Speed PSC	Heating Input BTUH 038=38,000 120=120,000	Cabinet Width A=14 1/2" B=17 1/2" C=21" D=24 1/2"	Max. CFM Cooling* 2 = 800 CFM 3=1200 CFM 4=1600 CFM 5=2000 CFM *Airflow @ 0.5 ESP or 400 CFM/ton	N=Natural Gas X=Low Nox	Series/ Revision

NOTE: Furnace is 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 optional accessories from a parts distributor.
For L.P. (propane) operation, follow instructions provided with the unit and the L.P. conversion kit.

WARNING
THIS FURNACE IS NOT APPROVED OR RECOMMENDED FOR USE IN MOBILE HOMES

Downflow Specifications

GDD92A Models	-054B4	-072B4	-090C5	-120D5
Input-BTUH[1]	54,000	72,000	90,000	120,000
Heating Cap. BTUH	49,700	66,000	82,800	110,400
AFUE	92.1	92.1	92.1	92.1
Blower D x W	11 x 8	11 x 8	10 x 10	11 x 10
Motor HP-Speed-Type	1/2-4-PSC	1/2-4-PSC	1.0-4-PSC	1.0-4-PSC
Heating Speed*	Med-Low	Med-High	Med-High	Med-High
Cooling Speed*	High	High	High	High
Motor FLA	8.20	8.20	7.50	13.75
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
Shipping Weight (lbs)	120	125	135	155

* Factory setting
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.

WARNING
THIS FURNACE IS NOT APPROVED OR RECOMMENDED FOR USE IN MOBILE HOMES

Blower Performance - Downflow

GDD92-Model	Htg Input BTUH	Motor Speed	External Static Pressure (Inches Water Column)															
			0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8	
			CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise
-054B4	54K	High*	1580	29	1550	30	1520	30	1485	31	1460	32	1425	32	1375	33	1320	35
		Med Hi	1240	37	1230	37	1210	38	1185	39	1165	39	1135	41	1100	42	1045	44
		M-Low†	1145	40	1120	41	1100	42	1080	43	1055	44	1030	45	985	47	940	49
		Low	895	51	870	53	850	54	825	56	800	58	770	60	740	62	715	64
-072B4	72K	High*	1560	39	1530	40	1500	41	1480	41	1435	43	1400	44	1360	45	1310	47
		Med Hi†	1245	49	1225	50	1205	51	1180	52	1150	53	1125	55	1090	56	1045	59
		M-Low	1085	57	1070	57	1045	59	1025	60	1000	61	970	63	930	66	880	70
		Low	850	72	830	74	800	77	780	79	760	81	730	84	710	86	685	90
-090C5	90K	High*	1955	39	1905	40	1835	42	1795	43	1730	44	1620	47	1545	50	1450	53
		Med Hi†	1845	42	1790	43	1750	44	1680	46	1515	51	1540	50	1475	52	1410	54
		M-Low	1320	58	1290	59	1250	61	1215	63	1180	65	1120	68	1050	73	970	79
		Low	1190	64	1165	66	1125	68	1080	71	1055	73	1000	77	945	81	875	88
-120D5	120K	High*	2215	46	2150	48	2075	49	2035	50	1970	52	1905	54	1800	57	1745	59
		Med Hi†	2050	50	2015	51	1955	52	1900	54	1860	55	1795	57	1720	59	1620	63
		M-Low	1720	59	1690	60	1655	62	1640	62	1610	63	1560	66	1505	68	1465	70
		Low	1420	72	1410	72	1400	73	1365	75	1350	76	1335	77	1290	79	1260	81

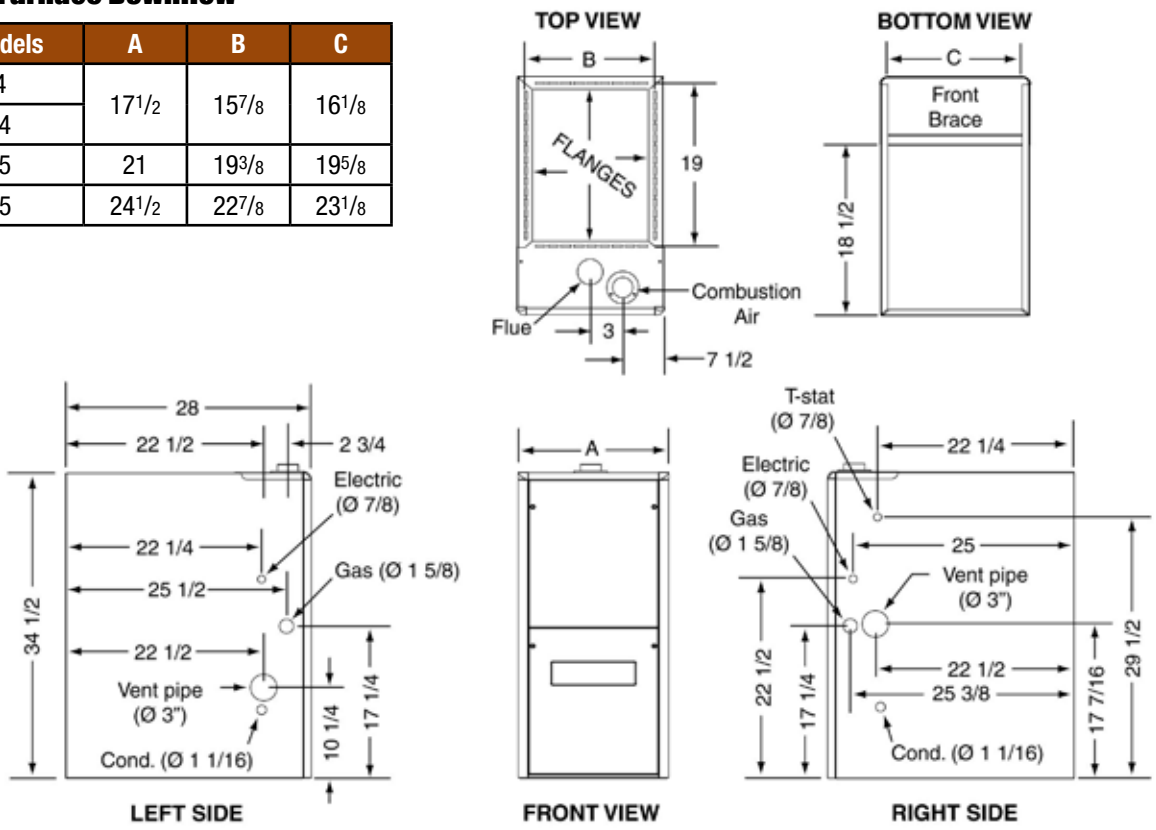
* Factory set cooling speed
† Factory set heating speed

NOTE: 1. Temperature rises shown are approximate; actual temperature rises may vary.
2. Temperture rises in shaded areas are for reference only; these conditions are not recommended.

Downflow Dimensions

92.1% Gas Furnace Downflow

GDD92A Models	A	B	C
054B4	17 1/2	15 7/8	16 1/8
-072B4			
-090C5	21	19 3/8	19 5/8
-120D5	24 1/2	22 7/8	23 1/8



92% Gas Furnace Accessories

PART NO.	DESCRIPTION
904952	2" Concentric vent kit
904953	3" Concentric vent kit
904911	Downflow sub base kit
904617	2" Side wall vent kit
904347	3" Side wall vent kit
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
904872	Hi efficiency blower kit 14½" - fixed speed

PART NO.	DESCRIPTION
904873	Hi efficiency blower kit 17½" - fixed speed
904874	Hi efficiency blower kit 21" - fixed speed
905875	Hi efficiency blower kit 24½" - fixed speed
904876	Hi efficiency blower kit 14½" - variable speed,
904877	Hi efficiency blower kit 17½" - variable speed
904878	Hi efficiency blower kit 21" - variable speed
904879	Hi efficiency blower kit 24½" - variable speed
904985	Extra parts bag downflow
904986	Extra parts bag upflow

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.

Space Saving, Energy Saving Gas Heat Source

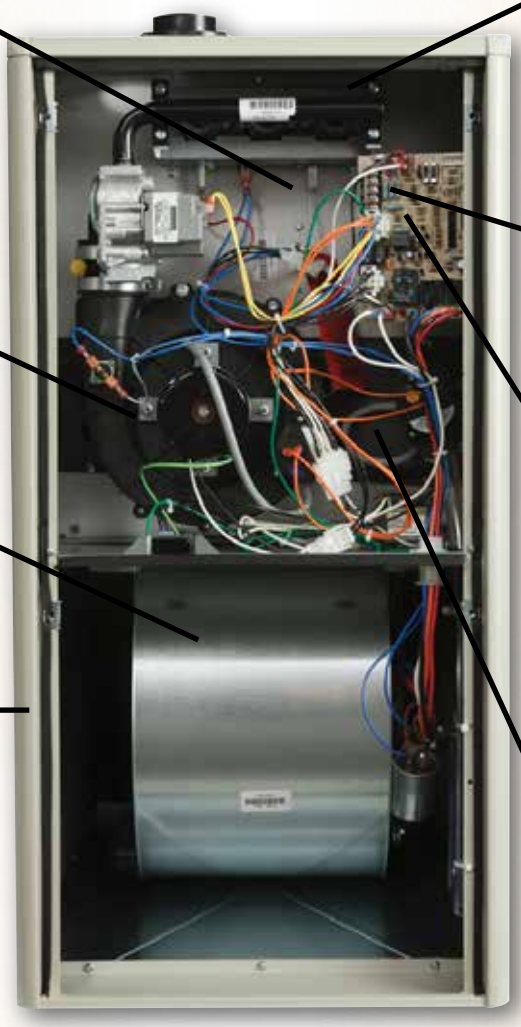
Primary Heat Exchanger
The patented tubular design extracts heat from combustion gases; made of aluminized steel, it is resistant to corrosion and thermal fatigue, and it's covered by a lifetime warranty

Draft Inducer
Specially designed for the tubular heat exchanger, it pulls hot combustion gases through the exchanger; heated air is locked in while cold air is locked out

High Efficiency Blower
Three-speed blower delivers warm air throughout the house quietly and efficiently; direct drive system has no belts or pulleys to wear out

Low Profile Cabinet
Steel cabinet has corrosion-resistant finish; lightweight 34½" high design saves on space; upflow model is shown; downflow features same components in a different configuration

30 Second Blower Delay
The delay assures a warm duct temperature at furnace start-up; blower off settings can be adjusted to 60, 90 120 and 180 seconds



Can be converted to LP gas by qualified contractor using a conversion kit shown in "Accessories" on page 6.

In-Shot Burner
Engineered to provide the most efficient air/gas mixture for combustion, the design requires no manual adjustments to regulate the mix

Hot Surface Ignition
Silicon nitride type igniter is quiet and automatic, eliminating the need for a standing pilot light, while offering improved efficiency

Integrated Furnace Control
Controls are integrated into one board set up for fast, easy installation, also accommodates air cleaner and humidifier options; features on-board diagnostics with easy to recognize fault codes without counting flashes

Secondary Heat Exchanger
Unique heat recovery coil extracts additional heat (which would be lost by less efficient furnaces); stainless steel construction has a lifetime warranty

NOTE: Upflow model shown. Downflow models feature the same components in a different configuration.

Horizontal installation is for right side only with air supply on the left.

Upflow Models	Input BTUH	Heating Cap. BTUH	AFUE
GUH92A038A3	38,000	35,000	92.1%
GUH92A054B4	54,000	49,700	92.1%
GUH92A072B4	72,000	66,000	92.1%
GUH92A072C5	72,000	66,000	92.1%
GUH92A090C5	90,000	82,800	92.1%
GUH92A108D5	108,000	99,000	92.1%
GUH92A120D5	120,000	110,400	92.1%

Downflow Models	Input BTUH	Heating Cap. BTUH	AFUE
GDD054B4	54,000	49,700	92.1%
GDD072B4	72,000	66,000	92.1%
GDD090C5	90,000	82,800	92.1%
GDD120D5	120,000	110,400	92.1%

CATEGORY IV VENTING:
All models may be vertically or horizontally vented using either a one-pipe or two-pipe system, for greatest installation flexibility.

A.F.U.E. Ratings of 92.1% mean energy savings for you!

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.

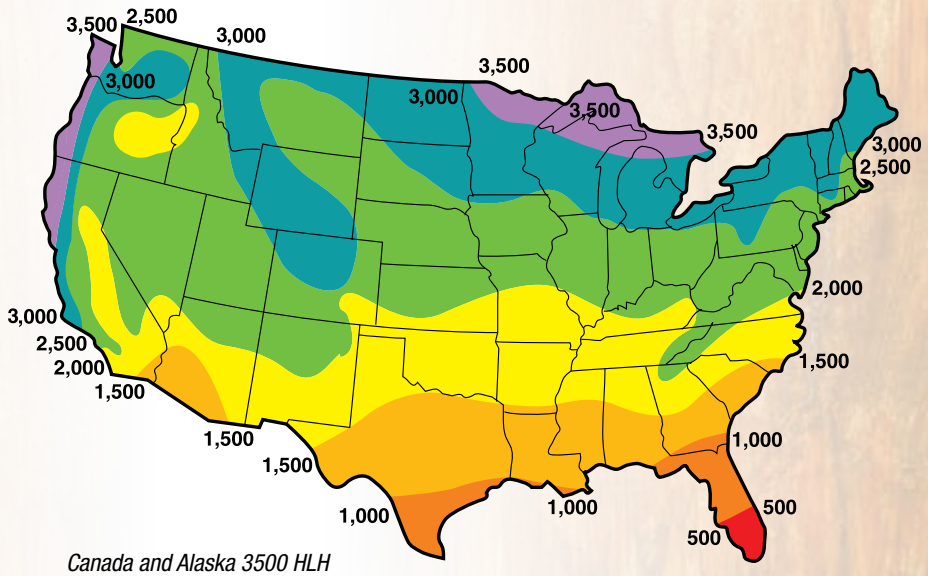
With our broad product range, Comfort-Aire has the model and accessories to suit just about any home's location and heating requirements.

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.

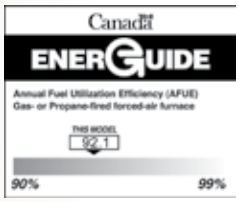
Beginning in 1992, the Federal Government required all gas furnaces to meet or exceed an A.F.U.E. (Annual Fuel Utilization Efficiency) rating of 78%. Although this was an improvement over previous furnace ratings of 65% or less, today's furnaces offer even greater efficiencies. Replacing your older gas furnace with a high efficiency 92% 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.

SP-2M 2/17 CA-92S

1900 Wellworth Ave., Jackson MI 49203 • 517.787.2100 • www.marsdelivers.com

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