Olsen
Heating & Cooling Products

gas furnaces

G95V Two-Stage Variable Speed 95% AFUE Gas Furnace

4 Position Natural Gas or Propane

Ultra COMFORT 95V
High Efficiency Two Stage Variable Speed Furnace

GTHC Single Stage 95% AFUE Gas Furnace

4 Position Natural Gas or Propane

Ultra MAX 4
High Efficiency 4 Position Gas Furnace

GTHB Single Stage 93% AFUE Gas Furnace

4 Position Natural Gas or Propane

GTMA Single Stage 80% AFUE Gas Furnace

3 Position Natural Gas or Propane

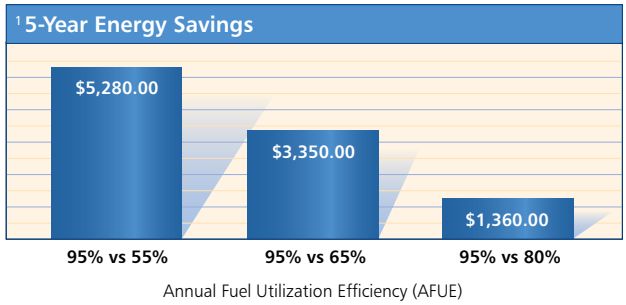
Ultra HEAT 3
Mid-Efficiency 3-Position Gas Furnace

keeping families warm for more than 60 years

Higher AFUE translates into significantly lower fuel bills

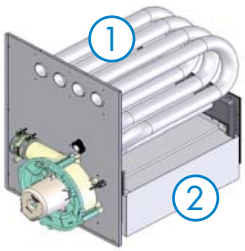
(AFUE = Annual Fuel Utilization Efficiency)

If your furnace is 25 years old or older, chances are that it is only 55% or 65% efficient. Refer to the chart at right to see the savings you could realize by installing an Olsen today.



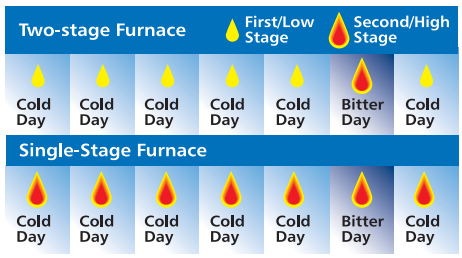
Higher AFUE = More heat for every dollar spent. AFUE works much like the miles-per-gallon rating on a car – the higher the rating, the lower the fuel costs. Installing a higher AFUE furnace can also equal cash back – energy-efficiency rebates or incentives may be available from the government or utility in your area.

Superior heat exchanger design delivers higher AFUE!



1. Triple pass primary heat exchanger – Constructed of aluminized steel, Olsen's highly-efficient triple-pass tubular design has a large surface area to maximize heat transfer into your home. The wrinkle-bend aluminized tube design ensures a longer-lasting heat exchanger by eliminating the stress points and hot spots found in competing designs.
2. Heat recovery coil – The secondary stainless steel heat exchanger extracts the remaining heat from flue gases so that up to 95%, or 95 cents, of your fuel dollar is converted to heat for your home.

G95V two-stage technology delivers two furnaces in one



The furnace must be sized for the coldest day of the year – The full capacity of your furnace is not always required to meet heating needs on a cold day. So how do you access only a portion of your furnace's heating capability? The G95V's two-stage furnace design will match lower heat demands by burning less fuel in a first/low stage, with the capability to provide more heat in the second/high stage on the days it is needed.

A single-stage furnace can only operate at full capacity, and must cycle on and off when heat is required. The G95V runs for longer periods, delivering only the heat required at a slower fan speed, which drastically reduces temperature swings and increases overall comfort.

G95V variable speed (ECM) technology

Lower operating costs – At full load the ECM motor is 20% more efficient than a conventional motor. On continuous fan speed, the ECM motor consumes 60 to 80 watts compared to 400 watts for a conventional motor.

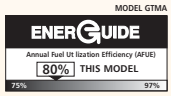
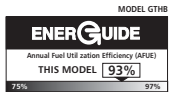
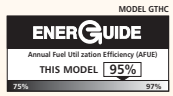
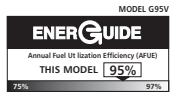
Soft start and stop = Less noise and increased overall comfort – The variable speed motor ramps up gradually until it reaches the required air flow and ramps down slowly before shutdown. The operation is so quiet you will rarely notice when your furnace turns on and off.

In heating mode, the initial rush of cold air and noise created by conventional motors is eliminated. Reduced temperature swings and gradual heat gain increase the overall comfort delivered by the system. In cooling mode, the motor speed is reduced during the first several minutes of operation. This increases the system's ability to remove maximum humidity from the airflow, increasing comfort in your home.

[1] This chart depicts potential energy savings from the Ultra Comfort 95V. Data used for this example was 80,000 BTU heat load, 7000 Degree Days F per annum, fuel cost @ 1.08 per therm or .38 per cubic metre. Actual savings may vary, depending on your local weather patterns and fuel rates, lifestyle and the air infiltration integrity of your building envelope. The cost savings presented are for demonstration purposes only and do not constitute a guarantee of performance for any product.

gas furnace selection guide

FURNACE MODEL

FEATURES	GTMA Ultra Heat 3	GTHB Ultra Max 4	GTHC Ultra Max 4	G95V Ultra Comfort 95V
Efficiency	Mid	High	High	High
Annual Fuel Utilization Efficiency (AFUE)				
Energy Star® certified		ENERGY STAR	ENERGY STAR	ENERGY STAR
Triple-pass tubular aluminized heat exchanger	•	•	•	•
Stainless steel secondary heat exchanger		•	•	•
Aluminized multi-port in-shot burners	•	•	•	•
Silicone nitrate hot surface igniter	•	•	•	•
Fast opening gas valve	•	•	•	
Two-stage gas valve				•
Foil-faced cabinet insulation	•	•	•	•
Air Flow Management				
Permanently Separated Capacitor (PSC) motor	•	•	•	
Electronically Commutated Motor (ECM)				
Noise Reduction				
Insulated blower compartment				•
Dynamically balanced blower assembly	•	•	•	•
Variable speed blower motor				•
Installation				
3-position installation options	•			
4-position installation options		•	•	•
Field convertible to propane (LP)	•	•	•	•
High-altitude kit available	•	•	•	•
Warranty				
[1] 5-year parts warranty	•	•	•	•
[1] Limited lifetime heat exchanger warranty	•	•	•	•
[2] Peace-of-mind limited replacement warranty				•

ECR's home comfort products are designed to provide years of **trouble-free** operation

The "Comfort Plus" Extended Warranty program complements ECR's Standard Product Warranty by providing labour coverage and additional years of parts coverage depending on the plan purchased. If you sell your home, the "Comfort Plus" warranty can be transferred to the purchaser, adding to the value of your home. Ask your installer for details on the "Comfort Plus" Extended Warranty program.

[1] Subject to the limitations set out in the warranty. For warranty information visit www.olsenhvac.com.

[2] G95V peace-of-mind limited replacement warranty. If the G95V heat exchanger fails within the first five years, ECR International will supply a new G95V furnace.

gas furnace specifications

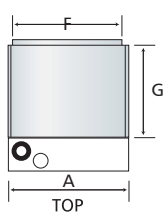
PERFORMANCE

	AFUE	Input (BTU)	Output (BTU)	Max CFM @ .20 WC	Max CFM @ .50 WC
Ultra Comfort 95V					
G95V060-3	95%	[1] 60,000	[1] 57,000	845	600 - 1200
G95V080-3	95%	[1] 80,000	[1] 76,000	1385	600 - 1200
G95V080-4	95%	[1] 80,000	[1] 76,000	1385	800 - 1600
G95V100-5	95%	[1] 100,000	[1] 95,000	1740	800 - 2000
G95V120-5	95%	[1] 120,000	[1] 114,000	2190	800 - 2000
Ultra Max 4					
GTHC050-3	95%	48,000	45,600	1328	1199
GTHC065-3	95%	64,000	60,800	1621	1524
GTHC080-3	95%	80,000	76,000	1717	1408
GTHC080-5	95%	80,000	76,000	2172	1965
GTHC100-3	95%	96,000	91,200	1951	1692
GTHC100-5	95%	96,000	91,200	2305	2150
GTHB040-3	93%	40,000	37,200	1000	800
GTHB060-3	93%	60,000	55,800	1300	1200
GTHB080-3	93%	80,000	74,400	1500	1200
GTHB080-4	93%	80,000	74,400	1900	1600
GTHB100-3	93%	100,000	93,000	700	1200
GTHB100-5	93%	100,000	93,000	2200	2000
GTHB120-5	93%	120,000	111,600	2400	2000
Ultra Heat 3					
GTMA050-3	80%	50,000	40,000	1193	1123
GTMA070-3	80%	68,000	54,400	1193	1123
GTMA085-4	80%	85,000	68,000	1656	1390
GTMA085-5	80%	85,000	68,000	2072	1903
GTMA100-4	80%	100,000	80,000	1656	1390
GTMA100-5	80%	100,000	80,000	2072	1903

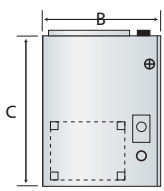
[1] BTU listed is the highest firing rate (second stage). First stage is 60% of the BTU listed.

DIMENSIONS All measurements in inches

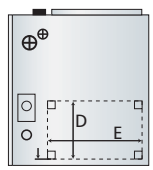
	Width (A)	Depth (B)	Height (C)	Supply Air (F x G)	Return Air (D x E)	Maximum Venting Length (feet)
Ultra Comfort 95V						
G95V060-3	17	29	40	16 x 20	14 x 22	100
G95V080-3	18 1/2	29	40	17 1/2 x 20	14 x 22	100
G95V080-4	18 1/2	29	40	17 1/2 x 20	14 x 22	100
G95V100-5	20 1/2	29	40	19 1/2 x 20	14 x 22	100
G95V120-5	23 1/2	29	40	22 1/2 x 20	14 x 22	100
Ultra Max 4						
GTHC050-3	17	29	40	16 x 20	14 x 22	100
GTHC065-3	18 1/2	29	40	17 1/2 x 20	14 x 22	75
GTHC080-3	20 1/2	29	40	19 1/2 x 20	14 x 22	100
GTHC080-5	20 1/2	29	40	19 1/2 x 20	14 x 22	100
GTHC100-3	23 1/2	29	40	22 1/2 x 20	14 x 22	100
GTHC100-5	23 1/2	29	40	22 1/2 x 20	14 x 22	100
GTHB040-3	17	29	40	16 x 20	14 x 22	100
GTHB060-3	17	29	40	16 x 20	14 x 22	100
GTHB080-3	18 1/2	29	40	17 1/2 x 20	14 x 22	100
GTHB080-4	18 1/2	29	40	17 1/2 x 20	14 x 22	100
GTHB100-3	20 1/2	29	40	19 1/2 x 20	14 x 22	100
GTHB100-5	20 1/2	29	40	19 1/2 x 20	14 x 22	100
GTHB120-5	23 1/2	29	40	22 1/2 x 20	14 x 22	100
Ultra Heat 3						
GTMA050-3	17 1/2	29 1/4	36	16 1/2 x 20	14 x 22	Chimney Vent
GTMA070-3	17 1/2	29 1/4	36	16 1/2 x 20	14 x 22	Chimney Vent
GTMA085-4	21 1/4	29 1/4	36	20 x 20	14 x 22	Chimney Vent
GTMA085-5	21 1/4	29 1/4	36	20 x 20	14 x 22	Chimney Vent
GTMA100-4	21 1/4	29 1/4	36	20 x 20	14 x 22	Chimney Vent
GTMA100-5	21 1/4	29 1/4	36	20 x 20	14 x 22	Chimney Vent



TOP



LEFT SIDE



RIGHT SIDE

ecr
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