Oneida Royal

Quality Furnaces Since 1822

G95V • 95% AFUE TWO-STAGE VARIABLE SPEED FURNACE

4 POSITION NATURAL GAS OR PROPANE

UPFLOW, DOWNFLOW, HORIZONTAL LEFT OR RIGHT

- High-efficiency furnace with 95% AFUE translates into lower fuel bills
- Two-stage technology delivers two furnaces in one – High or low-stage heat is activated based on demand
- Variable speed (ECM) technology dramatically increases comfort and reduces overall noise levels
- Peace-of-Mind Limited Replacement Warranty – see warranty section for details

ENERGY STAR

Oneida Royal
Quality Furnaces Since 1822

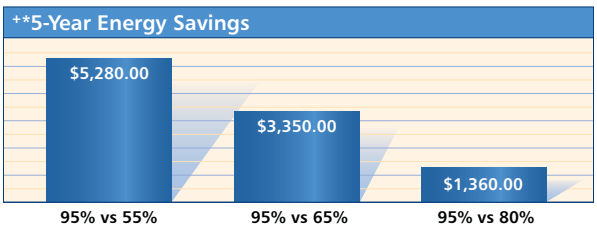
G95V • 95% AFUE TWO-STAGE VARIABLE SPEED FURNACE

95% AFUE* translates into significantly lower fuel bills

Higher AFUE = More comfort for every dollar spent. The Annual Fuel Utilization Efficiency (AFUE) measures the amount of fuel converted to space heat in proportion to the amount of fuel entering the furnace. This is commonly expressed as a percentage. AFUE works much like the miles-per-gallon rating on a car – the higher the rating, the lower the fuel costs.

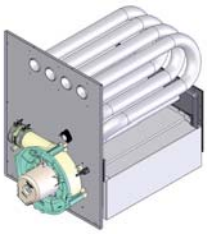
If a furnace is 25 years old or older, chances are that it has a rating of only 55% or 65% AFUE.

Refer to the chart below to see the savings that could be realized by installing a G95V today. The G95V qualifies for the USA high-efficiency federal tax credit. Contact tax consultant for details.



Superior heat exchanger design delivers 95% AFUE!

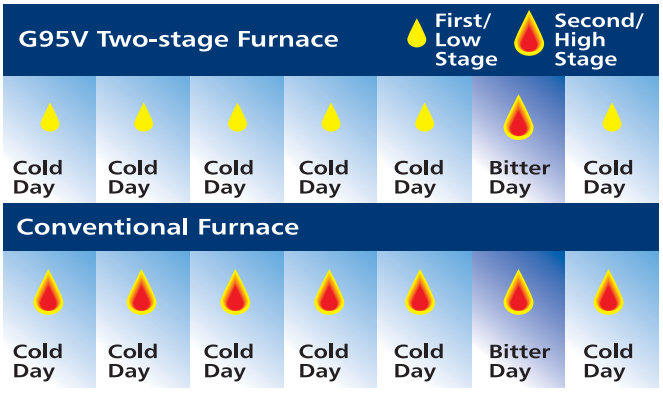
Triple pass tubular heat exchanger
Constructed of aluminized steel, the G95V's highly-efficient triple-pass tubular design has a large surface area to maximize heat transfer into the home.



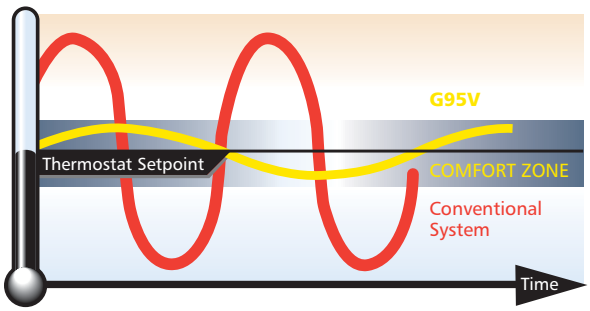
Heat recovery coil
The stainless steel coil of the G95V increases efficiency by extracting remaining heat from the flue gases once they exit the triple-pass heat exchanger.

Two-stage technology delivers two furnaces in one

The furnace must be sized for the coldest day of the year For 80% of the year, a conventional furnace is oversized. The G95V will operate on the second/high-stage only on bitterly cold days (20% of the year). The first/low-stage heat (60% of capacity) will operate the majority of the time, consuming less energy and saving money.



The comfort zone



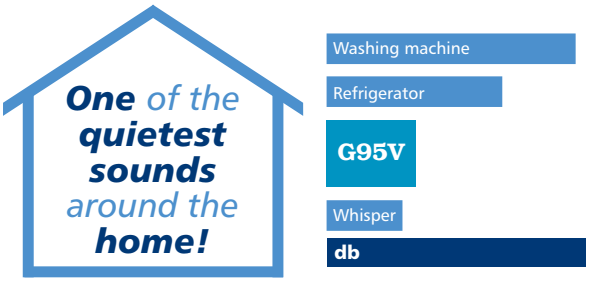
Since conventional furnaces can only operate at full capacity, they must cycle on and off when heat is required. The G95V runs for longer periods, delivering only the heat required at a slower fan speed, which drastically reduces temperature swings and increases overall comfort.

Variable speed (ECM) technology

ECM = Electronically Commutated Motor

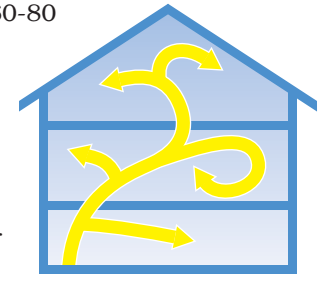
Lower operating costs
At full load the ECM motor is 20% more efficient than a conventional motor. On continuous fan speed, the ECM motor consumes 60-80 watts compared to 400 watts for a conventional motor.

Less noise
The ECM motor starts gradually, eliminating the initial rush of air and noise created by conventional motors.



Improved indoor air quality

The ECM motor consumes only 60-80 watts on continuous fan speed. The fan can be run without the risk of greatly increasing operating costs. When the thermostat is set to continuous fan this allows filters to remove more dust and irritants, and improves the performance of other indoor air quality components.



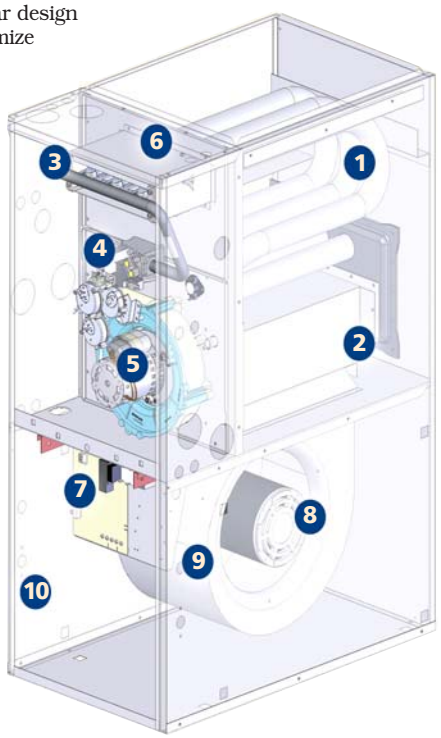
+ *This chart depicts potential energy savings from the G95V. Data used for this example was 80,000 BTU heat load, 7000 Degree Days F per annum, fuel cost @ 1.08 per therm or .38 per cubic meter. Actual savings may vary, depending on your local weather patterns and fuel rates, lifestyle and the air infiltration 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.*

Designed for Performance. Built to Last.

G95V • KEY FEATURES

Engineered for high efficiency

1. **Corrosion Resistant Heavy Gauge Aluminized-Steel Tubular Triple-Pass Heat Exchanger**
   - Controlled wrinkle-bend design of heat exchanger creates tubes with consistent thickness and no weak areas
   - Highly-efficient triple pass tubular design has a large surface area to maximize heat transfer
   - Each row of tubes is offset to increase turbulence in the airflow and maximize heat transfer
   - Backed by a peace-of-mind limited replacement and limited lifetime guarantee*
2. **Stainless Steel Heat Recovery Coil**
   - Extracts the remaining heat from the flue gases once they exit the triple-pass heat exchanger
   - Increases efficiency by evenly distributing the remaining heat to the large fins of the coil
   - Backed by a peace-of-mind limited replacement and limited lifetime guarantee*
3. **Aluminized Multi-Port in Shot Burners**
   - Corrosion resistant burners
   - Perfectly shapes the flame cone for maximum energy efficiency
4. **Two-Stage Gas Valve**
   - First/low-stage operates at 60% of full capacity for optimum fuel efficiency on most days
   - Second/high-stage provides maximum heat for bitter cold days and quick recovery for thermostat set back



MODEL G95V

ENERGY STAR

ENERGUIDE
Annual Fuel Utilization Efficiency (AFUE)
THIS MODEL 95%
75% 97%

High-quality components

5. **Induced Draft Venting**
   - Maximizes heat transfer efficiencies of the exchanger design through sealed combustion
6. **Silicone Nitride Hot Surface Igniter**
   - Ignites the burners electronically for safe and efficient operation
   - Eliminates the pilot light that consumes fuel while the furnace is in standby mode
   - More reliable and durable than other igniters
7. **Self Diagnostic Integrated Furnace Control (IFC)**
   - Contains LED service indicator lights to ensure quick and accurate service calls
   - Constantly monitors all safety devices
   - Interfaces with additional home comfort products using simple plug-in connections
   - Mounted between the blower rails for easy accessibility

Designed to be quiet

8. **Electronically Commutated Motor (ECM)**
   - Reduces electrical consumption by 20% over conventional blower motors
   - Reduces noise levels by gradually increasing motor RPMs at start-up, and ramping down slowly on shut down
   - Airflow can be matched with the needs of the home, eliminating "gusts" of hot or cold air
   - Easily adapted for continuous slow speed operation
9. **Dynamically Balanced Blower Assembly on Rails**
   - Whisper-quiet operation
   - Easily removed for servicing with the removal of two screws and a plug-in electrical connector
   - Rails support the weight of the blower for easy service in all positions
10. **Durable Sound Reducing Insulated Cabinet**
    - Baked-on epoxy-based powder paint resists scratching and corrosion
    - Sound-absorbing and foil-faced insulation retains heat and quiets operation
    - Knock-outs for all gas, electrical and venting connections

Reliability and peace-of-mind

Every furnace comes with our guarantee that it will be free from defects in materials and workmanship:

- Peace-of-Mind Limited Replacement Warranty – The heat exchanger is warranted for the first five years... or we'll supply a **replacement furnace** free of charge!*
- Limited Lifetime Warranty – The heat exchanger is warranted as long as you own the appliance... or we'll supply a **replacement heat exchanger** free of charge!*
- Five-Year Parts Warranty – Any component of the furnace is warranted for a period of five full years... or we'll supply a **replacement part** free of charge!*

* Subject to the limitations set out in the 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 labor 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.

COMFORT PLUS
EXTENDED WARRANTY

G95V • Two-Stage Variable-Speed Furnace • Natural Gas or Propane

SPECIFICATIONS

Model	G95V060-3*	G95V080-3*	G95V080-4*	G95V100-5*	G95V120-5*
Efficiency (AFUE)	95%	95%	95%	95%	95%
Input High (BTU) 0-2000'	60,000	80,000	80,000	100,000	120,000
Output High (BTU) 0-2000'	57,000	76,000	76,000	95,000	114,000
Input Low (60%) (BTU) 0-2000'	36,000	48,000	48,000	60,000	72,000
Output Low (60%) (BTU) 0-2000'	34,200	45,600	45,600	57,000	68,400
Input High (BTU) 2000-4500'	54,000	72,000	72,000	90,000	108,000
Output High (BTU) 2000-4500'	51,300	68,400	68,400	85,500	102,600
Input Low (60%) (BTU) 2000-4500'	32,400	43,200	43,200	54,000	64,800
Output Low (60%) (BTU) 2000-4500'	30,780	41,040	41,040	51,300	61,560

CABINET DIMENSIONS (INCHES)

Model	G95V060-3*	G95V080-3*	G95V080-4*	G95V100-5*	G95V120-5*
Width (A)	17	18.5	18.5	20.5	23.5
Depth (B)	29	29	29	29	29
Height (C)	40	40	40	40	40
Supply Air (F x G)	16 x 20	17.5 x 20	17.5 x 20	19.5 x 20	22.5 x 20
Return Air (D x E)	14 x 22	14 x 22	14 x 22	14 x 22	14 x 22

AIRFLOW AND COOLING

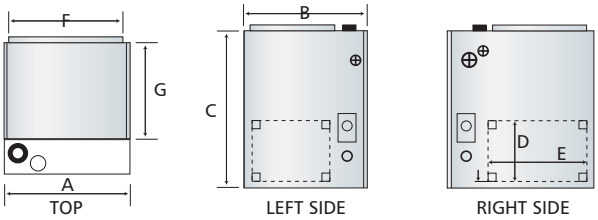
Model	G95V060-3*	G95V080-3*	G95V080-4*	G95V100-5*	G95V120-5*
A/C Cooling (tons)	1.5, 2, 2.5, 3	1.5, 2, 2.5, 3	2, 2.5, 3, 4	2, 3, 4, 5	2, 3, 4, 5
CFM Range @ .50 WC	600 - 1200	600 - 1200	800 - 1600	800 - 2000	800 - 2000
CFM Low Fire @ .20 WC	700	1085	1065	1325	1685
CFM High Fire @ .20 WC	845	1385	1385	1740	2190
Electronically Commutated Motor Variable Speed - (ECM)	1/2 hp	1/2 hp	3/4 hp	1 hp	1 hp

VENTING

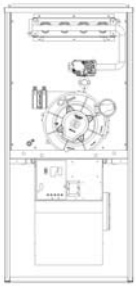
Model	G95V060-3*	G95V080-3*	G95V080-4*	G95V100-5*	G95V120-5*
Venting Length (feet)	100	100	100	100	100

Clearance to combustibles (upflow) on the top, front, sides and base is 0 inches (24 inches required in front for servicing). Certified for closet installations.

* G95V models qualify for the USA high-efficiency federal tax credit.

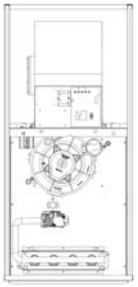


All product specifications reflect available information at the time of printing.
ECR reserves the right to revise or modify products without notice.



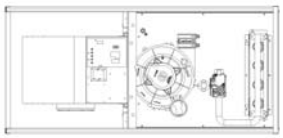
Upflow

- 3 exhaust and intake options (right side, left side, left top)
- 2 condensate trap options (right or left side)
- 2 gas and electrical supply options (right or left side)



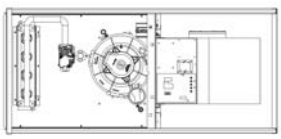
Downflow

- 2 exhaust and intake options (right side, left side)
- 2 condensate trap options (right or left side)
- 2 gas & electrical supply options (right or left side)



Horizontal Right

- 2 exhaust options (right side, top)
- 3 intake options (right side, top and bottom)
- 1 condensate trap option (right side)
- 2 gas and electrical supply options (top or bottom)



Horizontal Left

- 1 exhaust option (top)
- 3 intake options (left side, top and bottom)
- 1 condensate trap option (left side)
- 2 gas and electrical supply options (top or bottom)

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Quality Furnaces Since 1822

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