

Genesis Homes Goes Green

MODELS 556WTA AND 1004FA DIRECT-VENT DUCTLESS HEATERS AND R53i TANKLESS WATER HEATERS

Founded in 1998 by Miles Grant, a 30-year veteran of the home building industry, Genesis Homes specializes in building homes and communities that compliment the lifestyles of its homeowners. Set in highly-desirable, picturesque locations, Genesis communities are crafted with the whole neighborhood in mind.

Grant not only uses premium quality materials and the finest craftsmanship, but he also keeps energy efficiency top of mind by using energy-efficient Rinnai products such as ductless heaters and tankless water heaters in all of his projects.

Why Rinnai?

Grant's recent project, known as the "green building experimental home," was built in Hillside at Stoney Creek, a Genesis Homes community in Littleton, CO. It is a 4,191 square foot, two-story home with four-bedrooms, four and a half baths, a walk-out basement, and a five car garage.

"I have retrofitted a Rinnai [water heating system] in my home and I'm now using

Rinnai in all of my projects. They have provided substantially lower gas bills, are safe, efficient, and long lasting," stated Grant. "I wanted to hold a unique position in the market, so we have built this experimental green-built home with all energy efficient products, including Rinnai's tankless water heating and ductless heater technologies."

Grant had three Rinnai ductless heaters installed in the green-built home, one on each floor. These energy-saving heaters incorporate a seven-stage fully-modulating gas valve that maintains an even and continuous heat output for stable room temperature control. They include a child-safety lock and an economy mode for increased energy efficiency in both gas and electrical consumption.

- The basement has the 556WTA model which features LED temperature controls with a memory setting. New optional convenience features include frost protection and a programmable thermostat.
- The main and upper floors each have the 1004FA model.

Two R53i model tankless water heaters, electronically manifolded together, were also installed in the home. Rinnai's line of tankless water heaters deliver an endless supply of hot water through multiple outlets simultaneously. These space saving units only heat water when there is a demand for hot water, saving the homeowner on monthly water heating costs. With the R53i, homeowners can run multiple plumbing fixtures simultaneously without any loss of temperature consistency.

Return on Investment

Being a new build, the home has no direct comparison when it comes to energy savings; however, a similar home, not using the Genesis insulation package and high efficiency



window systems, can cost the homeowner approximately three-times more to heat. The January 2007 energy bill in the green-built home was \$138, versus \$790 in a similar home without the Rinnai's water heating and heating technology installed, yielding energy savings of approximately 82.5 percent on a monthly basis.

PROJECT SUMMARY

- Three ductless Rinnai heaters were installed in the green building "experimental" home (one, 556WTA, and two, 1004FA)
- Two, Rinnai R53i tankless water heaters were installed in the home
- Average energy savings of approximately 82.5 percent



MODELS 556WTA AND 1004FA DIRECT-VENT DUCTLESS HEATERS AND R53i TANKLESS WATER HEATERS



MODELS 556WTA AND 1004FA

The Rinnai direct-vent ductless heaters' reputation lies in its ability to provide efficient heat through the use of a heat exchanger, which adds many years of comfort. Just imagine, no heat loss from leaky ducts. Call or E-mail us with your application.

THE RINNAI ADVANTAGE

- "Cool-to-the-touch" cabinet
- Innovative modulating gas valve and blower:
 - Whisper quiet 7-stage fully modulating blower – no more off and on, hot to cold.
 - Automatically adjusts the heat output and blower control, delivering a stable room temperature for maximum efficiency and comfort.
- Programmable thermostat and frost protection
- Integral humidifier

FEATURES

- Electronic Ignition — No Pilot Light
- Wind tested venting systems
- Digital adaptive control with 7 day/28 event programmable thermostat and frost protection
- Humidity management system
- On-board self-diagnostics for easier maintenance
- Earthquake-proof tilt switch
- Easy installation

CABINET

- Beige, White or Silver Powder Coated Cabinet

VENTING

- Internal - Rinnai's unique "through-the-wall" 3" direct-vent kit for most installations up to 9.5" thickness
Optional kits available for custom wall thicknesses.

WARRANTY

- Exceptional 10-Year Warranty on heat exchanger
- 5-Year Warranty on parts
- 2-Year Warranty on labor

Rinnai Model	RHFE-556 FAIII & WTA	RHFE-1004 FA
Heat Input (BTUs): High/Low	NG 21,500/8,200 LP 20,700/8,200	NG 38,400/10,500 LP 36,500/10,500
Min. Clearance:	S 2" (51mm) T 10" (250mm) F 40" (1m)	S 2" (51mm) T 10" (250mm) F 40" (1m)
Dimensions:	Height 21 13/16" Width 29 1/2" Depth 9 7/8"	Height 26 3/8" Width 36 3/8" Depth 13"
Gas Inlet:	1/2" (13 mm)	1/2" (13 mm)
Electrical Supply:	120 Volts 60 Cycles 2.0 Amps 52 Watts	120 Volts 60 Cycles 2.0 Amps 121 Watts
Fan Output:	Hi-162.7 CFM Low-110.5 CFM	Hi-360.6 CFM Low-203.4 CFM
Shipping Weight	51 lbs. (23.2 kg)	90 lbs. (41 kg)



MODEL R53i

Rinnai's innovative tankless technology offers an endless supply of hot water through multiple outlets simultaneously. No matter what your hot water requirements are, the Rinnai can be configured to handle the job. Contact us with your requirements.

THE RINNAI ADVANTAGE

- Endless Hot Water Delivered up to 5.3 GPM
- Digital Control for Consistent Temperature
- Energy Factor of up to .84
- Wall-Mount Compact Design for Increased Space-Savings
- Internal or External Installations with Discrete Vent Terminal

FEATURES

- Internal Installation
- No Pilot Light - Direct Electronic Ignition
- Natural Gas or Propane Models Available
- Certified to ANSI Z21.10.3 Standard by CSA International (formerly AGA Laboratories)
- Hot Water Capacity - 5.3 GPM (multiple points of use)
- 9" Depth, 14" Width, 24" Height
- Digital Display
- 98 to 140°F Settings
- Diagnostic Display

CABINET

- Heavy Gauge, Textured, Powder Coated Cabinet

VENTING

- Internal - Direct Vent

WARRANTY

- Exceptional 10-Year Limited Warranty On The Heat Exchanger
- 5-Year Limited Warranty On All Other Parts

R53i Residential Models

	R53i
Dimensions	14" W x 24" H x 9" D
Weight	49 lbs
Maximum/Minimum Gas Rate (Input BTU's)	180,000 /15,000
Hot Water Capacity Range	0.6 to 5.3 GPM
Maximum Hot Water Capacity (35°F Rise)	5.3 GPM
Maximum Hot Water Capacity (50°F Rise)	5.3 GPM
Temperature Range With Remote Key Pads Connected	MC-100V-1, MC-91-1, BC-100V and MC-502RC: 98° - 140° F



Rinnai is continually updating and improving products; therefore, specifications are subject to change without prior notice. Local, state, provincial and federal codes must be adhered to prior to and upon installation.

CONTACT YOUR LOCAL AUTHORIZED DEALER

FOR MORE INFORMATION ON RINNAI PRODUCTS

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