

Prestige

SERIES™

Rheem Prestige Series™
Super Quiet 80™ 2-Stage
equipped with **Comfort Control² System™**



Protection You Can Count On

While your Rheem equipment is incredibly dependable and covered by an outstanding warranty, you can extend your warranty coverage with Protection Plus® extended service protection. Then you can relax and enjoy the comfort of your Rheem Furnace – without worrying about the cost of parts or labor for unexpected repairs. Ask your contractor about the variety of Protection Plus plans now available. For more information, call 1-877-276-4294 or visit www.protectionplusonline.com.



Outstanding Limited Warranty

Rheem supports its furnace equipment with strong limited warranties and dependable, professional service. All parts are covered by a ten-year limited parts warranty, and a limited lifetime Heat Exchanger Warranty is applicable on all models.



**Consumer-Rated
#1 in Reliability***

* the nation's leading consumer products magazine recently reported that tens of thousands of homeowners have found Rheem central air conditioners are the most reliable on low incidence of repairs



Rheem Heating, Cooling & Water Heating
P.O. Box 17010 • Fort Smith, AR 72917
www.Rheem.com

Rheem manufactures residential & commercial heating, cooling & water heating products.
"In keeping with its policy of continuous progress & product improvement,
Rheem reserves the right to make changes without notice."
Printed in the U.S.A. 5/11 DC Form No. M11-6043 Rev. 1



*There's an air
about you...*

*on the job and in your private world.
You're the picture of comfort, the
essence of sophistication. Graceful
within the chaos—you know how to
relax. For you, your home is a
special retreat...calm and serene.
You simply expect the best in
comfort and peace of mind...
for yourself and those you care
the most about.*

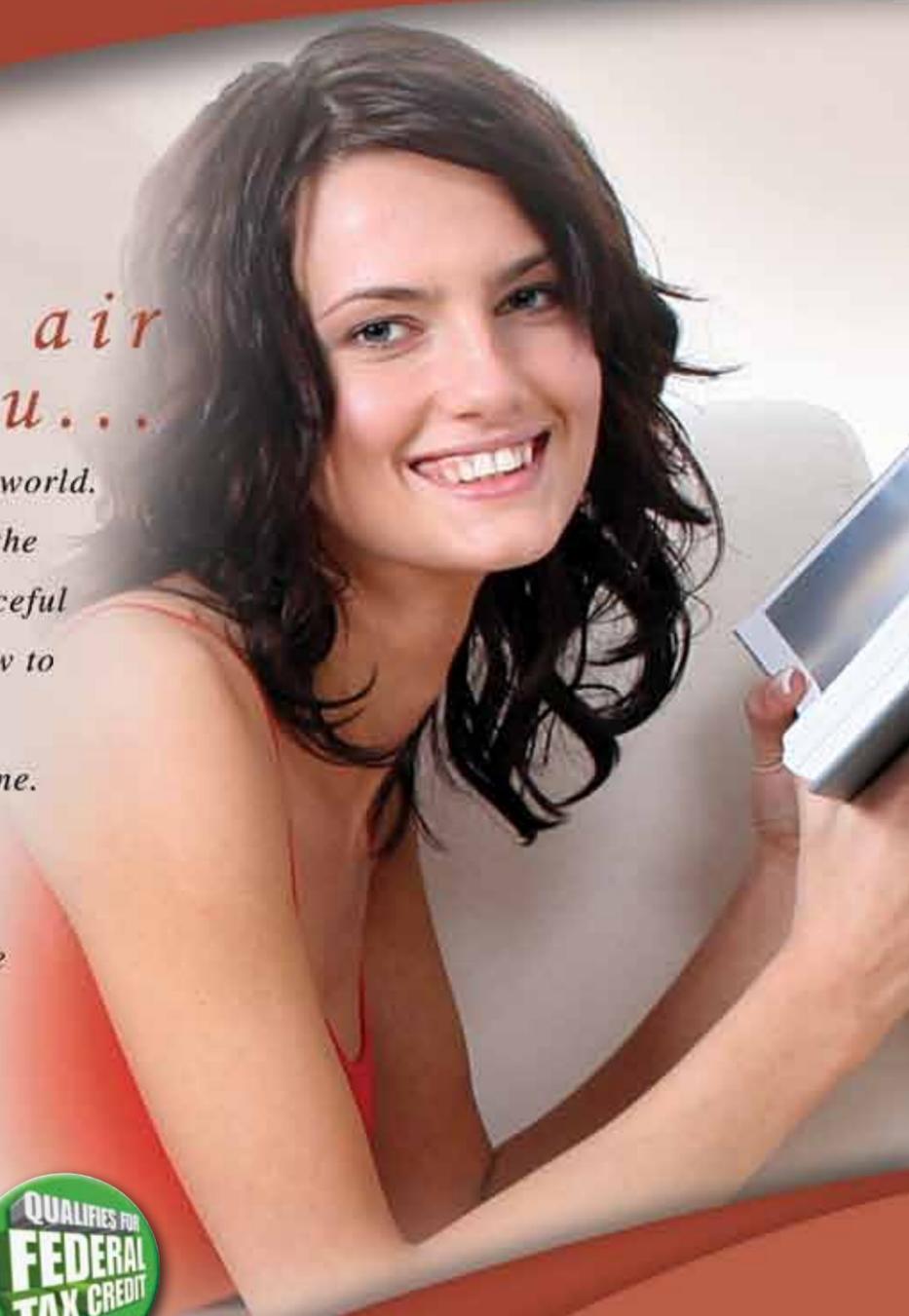
Prestige

SERIES™



relax
It's Rheem®

GAS FURNACES
Rheem Prestige Series™
Super Quiet 80™ 2-Stage
equipped with **Comfort Control² System™**





*Life is determined by the choices we make.
And, the choices you've made have made all the difference.*

When you choose Rheem *Prestige Series™*, you're buying the best there is.
A home comfort system designed to delight and satisfy.

A Furnace that "Grows" to meet your comfort needs

The Rheem *Prestige Series™ Super Quiet 80™* Gas Furnace has two stages of heating to save energy and keep your home at its comfortable best. Most furnaces are either "off" or "on at 100%" capacity, no matter what your heating comfort needs may be. The Rheem *Prestige Series™ Super Quiet 80™*, however, operates at 70% and 100% capacity.

Most of the time, this furnace operates in its energy-saving "low-heat" stage to deliver a gentle and steady flow of heating comfort. On the coldest days, when you need more heat, the furnace automatically switches to the "high-heat" stage to deliver the maximum heating comfort.

The temperature of your home stays at the comfort level you select – wherever you set the thermostat.

Is It On?...

Thanks to two-stage operation and the advanced ECM motor, the Rheem *Prestige Series™ Super Quiet 80™* is quieter than conventional single-stage furnaces. In comparison tests, the ECM motor was two to ten decibels of sound level more quiet than a conventional furnace motor – even at high speed. Plus the ECM motor has a special "soft start" and "soft stop" feature so that every move from stage to stage or from cycle to cycle is virtually unnoticeable!

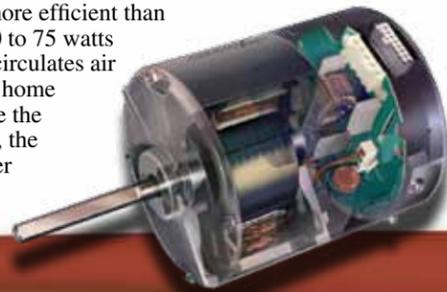
Additional Features

- Special terminal allows the easy addition of "On-Demand Dehumidification" – a great feature for homeowners who live in uncomfortably humid climates!
- Surrounding the blower compartment is a thick blanket of insulation. This helps further reduce operating sound and holds in heat to increase efficiency.
- Thanks to diagnostic lights shining through a site glass, your Rheem Contractor can accurately monitor furnace operation without removing a panel.

ECM Technology

By now you've probably read about the Genteq™ ECM® motor and wondered, "how is this an advantage for me?" To begin with, the ECM motor eliminates temperature swings in your home by using a continuous blower setting. Typical gas furnaces use only one heating speed – which is like having only one speed for your car!

The ECM motor is also 20% to 30% more efficient than standard blower motors. Using only 50 to 75 watts during constant fan mode, the system circulates air throughout your home, providing total home comfort for pennies a day. And because the ECM motor slowly ramps its speed up, the noisy start-up produced by other blower systems is eliminated.



Model RHC-TST550CMMS

The Rheem High-Definition Communicating Thermostat

This thermostat analyzes the heat loss of your home and directs the furnace to give you the precise temperature at the precise time you desire it. The modern appearance, large, and High-Definition display allows convenient and instant viewing. The thermostat features easy menu-driven programming that allows you to set your weekly temperatures – then the option to adjust them for the weekend, when your temperature preferences typically change. The High-Definition Communicating Thermostat is part of the most sophisticated and easy-to-use home comfort system available today. The Rheem *Comfort Control² System™* consists of an indoor furnace, an outdoor condensing unit or heat pump, and the 550 Series Thermostat. The 550 Series Thermostat auto-configures the system and constantly communicates with the indoor and outdoor heating and cooling components to provide the homeowner with the utmost in home comfort and peace of mind. Two moisture control features, Dehumidification and Humidification, are also available with the High-Definition Communicating Thermostat. On-Demand Dehumidification permits continual moisture removal from your home eliminating damp & sticky air. In addition, the humidification feature (humidifier installation required) puts moisture back in the air as required. The thermostat is so smart; it can notify the homeowner when a service call is needed to any part of the system. These features ensure simple, dependable operation for the homeowner and easy installation by the contractor for peak performance.



Comfort Control² System™ Features and Benefits

The *Comfort Control² System™* provides:

- **On-Board Diagnostics** - The Rheem exclusive dual 7-Segment LED Display on the control board quickly and accurately shows your contractor the source of system malfunctions. This feature aids the contractor in servicing or repairing your unit, saving you time and money.
- **Fault Recall** - Even if there is a power failure, this feature will retain the system's "operation history" and will display it on the control board for quick and easy viewing during service calls.
- **Increased Dependability** - The thermostat communication capability can alert you to any necessary service requirements, giving you peace of mind that your home comfort is guaranteed.



Features & Benefits

- 1 To help improve the sound quality of the Rheem *Prestige Series™ Super Quiet 80™*, we re-engineered the door and top-plate to provide a sound barrier between the furnace's operation and your home.
- 2 The ECM Motor delivers more airflow on less electricity than standard blower motors. The ECM motor is so frugal with electricity that, when properly matched, it can even raise the SEER level of your air conditioning equipment by one full point. The ECM motor has a special "soft start" and "soft stop" feature so that each move from cycle to cycle is smooth and quiet – never abrupt.
- 3 The integrated, two-stage control board directs activities of the gas valve and blower to efficiently keep your home at its comfortable best.
- 4 The two-stage gas valve adjusts the flow of gas to the burner, providing "low heat" and "high heat" as needed for maximum fuel efficiency.
- 5 Direct spark ignition is an extremely efficient way to light the burner while eliminating the need for a standing pilot. And for added safety during operation, the remote flame sensor constantly monitors the burner flame to ensure it is burning as it should.
- 6 Because the *Super Quiet 80™* two-stage usually runs at the lower speed, you will enjoy energy saving and operation that is quieter. Working in conjunction with the two-stage burner and the heat exchanger, this induced draft blower quietly pulls hot combustion gases through the heat exchanger and vents them safely outdoors.
- 7 A permanent, washable filter makes it easy to keep a clean filter in place. No more filters to buy or store. A clean filter helps your furnace run more efficiently and can improve the indoor air quality of your home.



Improving Indoor Air Quality

While having an air-tight home improves energy efficiency, the air inside easily becomes stale and polluted. But your Rheem contractor can help you vastly improve your indoor air quality. Ask him about the IAQ options that are right for your home.

- 1 Rheem media and electronic air cleaners remove up to 95% of airborne particles such as dust, pollen and tobacco smoke.
- 2 UV germicidal lights help remove bacteria and viruses from the air.
- 3 Humidifiers improve comfort and reduce energy costs.
- 4 Heat Recovery Ventilators (HRVs) and Energy Recovery Ventilators (ERVs) replace a home's stale air with fresh air – and still recover up to 80% of the indoor temperature.

