

## THE EFFICIENT SOLUTION

### SAVINGS CHART

YEAR	500 HLH	1000 HLH	1500 HLH	2000 HLH	2500 HLH	3000 HLH	3500 HLH
1	42	64	94	126	157	189	220
2	84	128	188	252	314	378	440
3	125	192	282	378	471	567	660
4	168	256	376	504	628	756	880
5	210	320	470	630	785	945	1100

80.6% A.F.U.E. vs 64.8% A.F.U.E. Gas Furnace Design Heating Requirement @ 60,000 BTU/HR Savings figures are cumulative and do not allow for inflation. Actual savings may vary due to lifestyle, weather, and other factors.

Furnaces manufactured prior to 1992 may have an Annual Fuel Utilization Efficiency rating (A.F.U.E.) of 65% or less. That means they only generate about 65¢ worth of heat for every dollar's worth of gas.

Your Rheem dealer knows which furnaces perform best in your area. Ask your dealer about the models and options that offer the best return on your investment.

### LIMITED WARRANTY INFORMATION

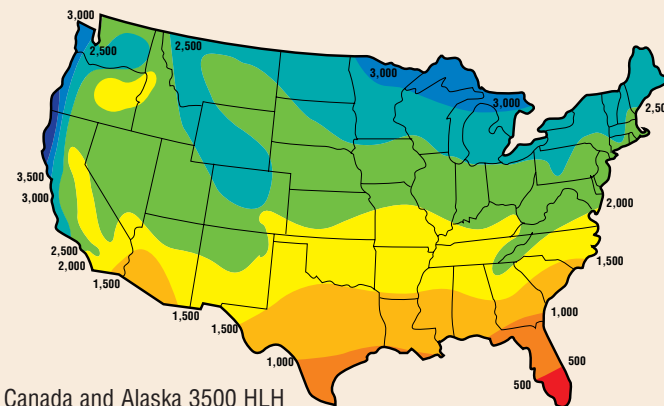
Rheem supports its furnace equipment with strong limited warranties and reliable, professional service. The heat exchanger of the Criterion II Plus 2 LXE carries a 20-year limited warranty. The integrated furnace control, the draft inducer, and indoor blower motor have a five-year limited warranty. All other parts have a five-year limited warranty.



To find out more about Rheem products, visit us on the web at:  
<http://www.rheemac.com>.



### REGIONAL WINTER HEATING LOAD HOURS (HLH)



Canada and Alaska 3500 HLH

### FORMULA

Difference in Cost Between Model 1 and Model 2 = Payback  
Difference in Yearly Operating Costs Between Period  
Model 1 and Model 2

### PROTECTION YOU CAN COUNT ON

While your Rheem equipment is covered by an outstanding limited warranty, you can extend that warranty coverage up to 10 full years 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. And when Protection Plus is purchased in conjunction with your dealer's maintenance program, you can enjoy the peace of mind that your Criterion II Plus 2 LXE will be both maintained and serviced as needed and without additional expense.

There are a variety of Protection Plus plans to choose from. Ask your dealer about them. For all other non-pricing information, please call 1-877-276-4294 or visit their web site at [www.protectionplusonline.com](http://www.protectionplusonline.com).



### FINANCING TO FIT YOUR BUDGET

Ask your dealer about Kwik Comfort™ Financing. It gives you the affordable convenience of financing everything associated with your Rheem equipment – your original equipment purchase, all subsequent service, Protection Plus extended service protection, and even the comfort options that you choose to add later.



RELAX. IT'S RHEEM.®

Rheem Air Conditioning Division  
5600 Old Greenwood Road  
Fort Smith, AR 72908  
1-800-548-RHEEM

Visit our website at <http://www.rheemac.com>

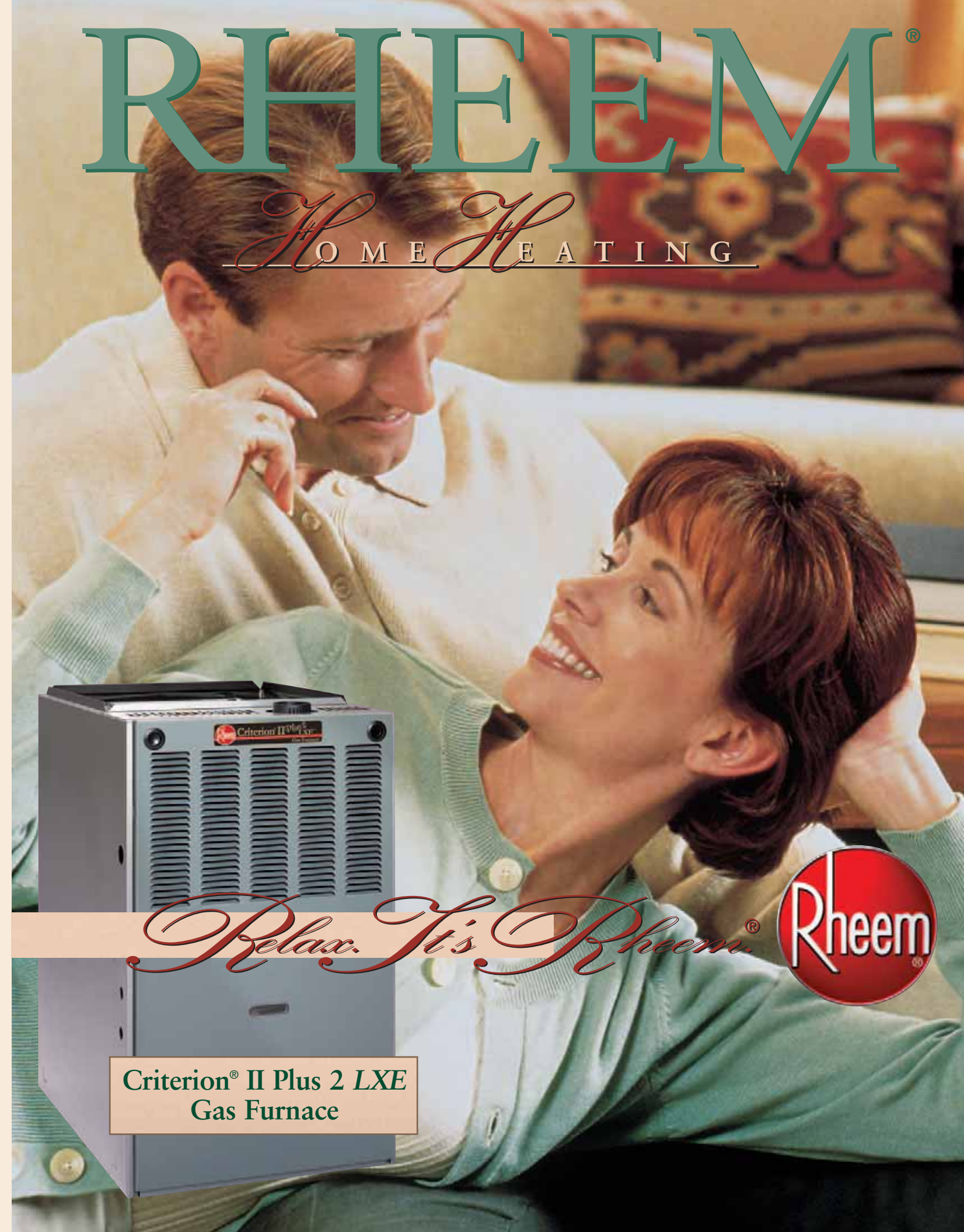
Rheem also manufactures residential and commercial water heater products.

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# RHEEM®

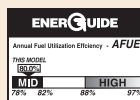
## HOME HEATING



Relax. It's Rheem.®



Criterion® II Plus 2 LXE  
Gas Furnace





*In every way, in every detail, Rheem furnaces are engineered and built to give you and your family the best of home comfort for many years to come.*

*This enduring commitment to quality has helped Rheem exceed the stringent standards of the International Standards Organization and achieve ISO 9002 certification in all of its manufacturing facilities. In fact, Rheem was the first furnace manufacturer in North America to do so.*

*Rheem is dedicated to achieving the best result for every customer. Every Rheem employee is specially trained to totally focus on your complete satisfaction. It's the Rheem difference. And it shows.*

## A COMFORTING IDEA

*The Rheem Criterion II Plus 2 LXE is an exciting new furnace that combines the energy-saving practicality of two-stage operation with our highly advanced (and efficient) Electronically Commutated Motor (ECM).*

*This is a furnace that saves you money on both natural gas and electricity, while quietly and dependably delivering the comfort you desire.*

*Most furnaces are either "off" or "on at 100%" capacity, depending on the demand for heat. But the Rheem Criterion II Plus 2 LXE is either "off", "on at 70%", or "on at 100%".*

*For the majority of time you use your Criterion II Plus 2 LXE, it conserves energy by operating at the lower 70% level. Only on the coldest days, when you require more heat, does the furnace maintain operation at 100% capacity. This results in far better use of natural gas and lower energy bills.*

*Plus, the Rheem Criterion II Plus 2 LXE features our Electronically Commutated Motor (ECM) – the most advanced, most efficient, and most reliable technology of any 80% gas furnace in the world. The ECM can operate on just 1/8 (approximately) as much electricity as a conventional motor. That's efficient!*



# INTERIOR COMFORT SOLUTIONS TO MAKE YOUR HOME THE MOST COMFORTABLE PLACE ON EARTH



## DIGITAL COMFORT CONTROL

A special furnace deserves a special thermostat. To maximize the comfort and efficiency benefits of the Rheem Criterion II Plus 2 LXE, a Rheem two-stage thermostat is highly recommended. This state-of-the-art thermostat lets you customize temperature schedules for weekdays and weekends. You can program up to seven temperature settings per day, automatically switch from heating to cooling modes for year-round comfort, and activate the backlit display for easy viewing at night. This thermostat will even tell you when to clean the filter!

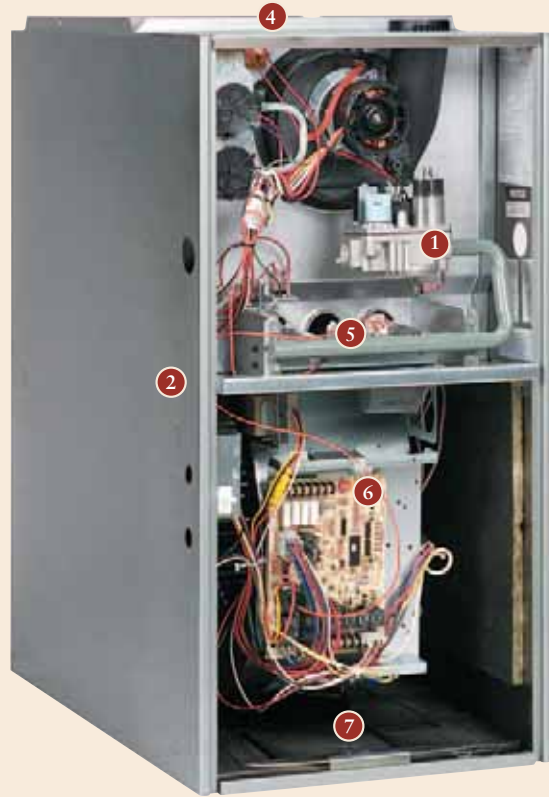


## IS IT ON?...

Thanks to two-stage operation and the advanced ECM motor, the Rheem Criterion II Plus 2 LXE 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!



## Criterion II Plus 2 LXE

## COMFORTING FEATURES

- 1 The two-stage gas valve and burner of the Rheem Criterion II Plus 2 LXE keeps you comfortable while keeping your energy bills low. The gas valve delivers fuel to the burner at one of two rates to maintain the desired temperature. Your Criterion II Plus 2 LXE will operate at 100% capacity on the coldest days and 70% capacity on cool days. Every heating day, you'll get the heat you want – affordably!
- 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 compact 34" height of the Rheem Criterion II Plus 2 LXE leaves plenty of room for comfort options such as an electronic air cleaner or humidifier. The Rheem electronic air cleaner reduces dust and other particulates to keep the air of your home cleaner and more pleasant. The Rheem humidifier restores the comforting qualities of humidity that are lost in the heating and air conditioning process.
- 4 Awarded three patents, the Criterion II Plus 2 LXE heat exchanger is renowned for its dependability and efficiency. It's constructed of aluminized and stainless steel for maximum resistance to rust and corrosion. And it's backed by a 20-year limited warranty.
- 5 Direct Spark Ignition is an extremely dependable and efficient way to light the burner. And it eliminates the need for a standing pilot. For added safety, the remote flame sensor constantly monitors the burner flame to ensure it is operating as it should.
- 6 The "Brain" of the Criterion II Plus 2 LXE is the Integrated Furnace Control (IFC) which directs all activities of major furnace components.
- 7 The Rheem Criterion II Plus 2 LXE is equipped with a permanent, washable filter that's easy to access and clean. You won't ever have to deal with the hassle and expense of replacement filters.



ELECTRONIC AIR CLEANER HUMIDIFIER



City	Two-Stage LXE Cost Factor	Standard Motor Cost Factor
Atlanta	307.4	3361.2
Buffalo	266.5	3293.5
Calgary	267.0	3402.2
Chicago	274.5	3301.0
Dallas	319.2	3372.0
Los Angeles	326.5	3270.7
Minneapolis	265.1	3274.1
Phoenix	318.7	3263.4
Pittsburgh	283.9	3378.0
St. Louis	292.6	3353.9
Toronto	238.5	3293.5
Winnipeg	227.9	3247.7

(Standard Motor Cost Factor - Two-Stage LXE Cost factor)  
X \$/kW = Annual Electrical Savings (\$)

Example: Atlanta, assume 10 cents per kW (\$ .10)

3361.2 - 307.4 = 3053.8 X \$.10 = \$305.38 annual electrical savings

NOTE: Actual savings may vary due to life-style, desired comfort level and other factors.

## ELECTRICAL SAVINGS

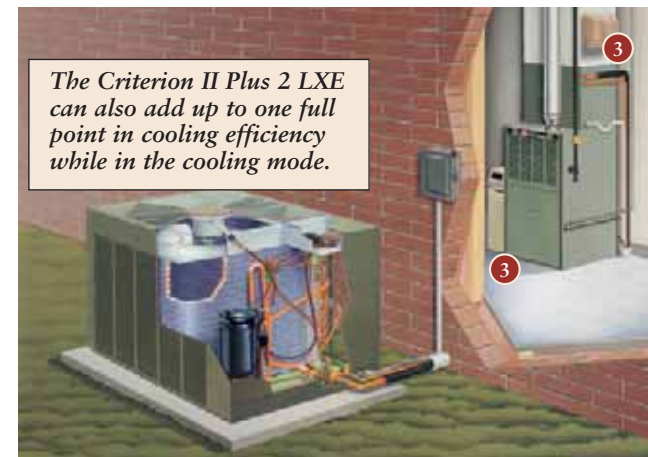
Assume: 75,000 btu gas furnace. Calculations for heating, cooling, and continuous fan operation. A 25% cycle rate was used for heating and cooling, ie., 4 minutes on per heating or cooling cycle and 12 minutes off per cycle.

## TO CALCULATE ELECTRICAL CONSUMPTION SAVINGS:

Pick a city which best represents your area climate. Multiply your average electric rate, \$/kW (see electric bill or contact local utility) by the difference between the "Standard Motor Cost Factor" and the "Two-Stage LXE Cost Factor". The new total is your savings.

## 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 Dealer can accurately monitor furnace operation without removing a panel.



*The Criterion II Plus 2 LXE can also add up to one full point in cooling efficiency while in the cooling mode.*