



WHAT'S INSIDE MATTERS®



**PROVIDING HIGH EFFICIENCY  
AND WORRY-FREE PERFORMANCE**

**M1200 HIGH-EFFICIENCY GAS FURNACES**



**80% AFUE TWO-STAGE, VARIABLE- & FIXED-SPEED**



80% AFUE HIGH-EFFICIENCY

## TWO-STAGE, VARIABLE-SPEED GAS FURNACES

**M**aytag, the name that stands for reliability and dependability, offers you the perfect choice for consistent home comfort.

Let cool winds blow outside, because your Maytag® furnace will provide a consistent temperature while improving comfort. The two-stage furnace works at a higher capacity on colder days or lower capacity on mild days to improve air circulation and minimize indoor temperature variations.

When you add a Maytag® two-stage gas furnace to your home, you invest in comfort and worry-free performance for years to come. Plus all Maytag® gas furnaces feature a limited lifetime heat exchanger warranty. All Maytag® furnaces are quality checked over 240 times and computer run-tested before for performance at the manufacturing facility.

Maytag® two-stage, variable-speed gas furnaces help solve common household comfort issues such as hot and cold spots and temperature swings. They operate at the most efficient level of comfort inside, no matter what the weather is outside.

The two-stage, variable-speed furnace works at a higher or lower capacity depending on the outdoor temperatures. Since there are fewer startup and shutdown cycles, the sound levels are also much lower than standard furnaces. Longer cycles improve air circulation and minimize temperature variations.

By mixing air from floor to ceiling, the variable-speed blower creates more uniform temperatures. Reducing air velocity also allows airborne particles and moisture to be captured at a higher rate, resulting in improved air filtration and reduced humidity levels.

## INNOVATION & STYLE

Two piece door design enhances furnace appearance and uses captured screws to prevent losing door screws. Maytag® gas furnaces are also small in size making them ideal for tight spaces.

## SOUND QUALITY

The unique burner design and the insulated blower cabinet provide clean and quiet operation.

## iQ DRIVE® READY

Maytag® 80% AFUE two-stage, variable-speed gas furnaces are iQ Drive Ready. That means they are designed to seamlessly integrate with the Maytag® 23-SEER iQ Drive air conditioner, 20-SEER/10.0 HSPF iQ Drive heat pump or 18/19-SEER/10.0 HSPF iQ Drive heat pump, to create an ultra-high efficient system for your home. iQ Drive air conditioners and heat pumps achieve some of the industry's highest efficiency ratings – saving homeowners hundreds of dollars in energy costs per year over standard equipment.



A Maytag® iQ Drive air conditioner or heat pump utilizes inverter rotary technology to achieve ultra high efficiency levels. Traditional compressors just turn on and off, operating at 60 hertz when running. But iQ Drive inverter technology has almost infinite

modulation for a perfectly even variance. And it runs as low as 15 hertz, so it uses less power. Ask your Maytag® contractor or visit [www.iqdrive.net](http://www.iqdrive.net) for more information.



# 80% AFUE HIGH-EFFICIENCY

## TWO-STAGE, FIXED-SPEED GAS FURNACES

With the Maytag® 80% AFUE two-stage, fixed-speed gas furnace you'll enjoy the benefits of high efficiency and better comfort.

First, let's talk about efficiency. Essentially, gas furnace efficiency is measured in AFUE ratings. That stands for Annual Fuel Utilization Efficiency. And, the AFUE rating equals the percent efficiency the unit delivers. The higher the percentage the more efficient the unit.

Maytag® 80% AFUE two-stage gas furnaces deliver a minimum of 80% efficient heat. Compare that to an older furnace that may deliver only 60-75% efficiency.

Maytag® two-stage gas furnaces operate at lower capacity during mild winter days, then full capacity during colder days. Because this furnace idles down to a reduced capacity it provides better comfort and

performs quieter than a single-stage furnace. Longer cycles improve air circulation, minimizing temperature swings to a couple of degrees, while reducing hot and cold spots.

When choosing a furnace, look not only at the product, but also the service and support provided by your contractor. Maytag® contractors receive extensive training in the installation and care of your equipment. That means your Maytag® contractor can help you select the right furnace for your home and keep it in top operating condition.

### MAYTAG'S COMFORT ACCESSORIES

Maytag offers whole-home indoor air quality solutions to reduce dust, mold, household allergens, and more. From hot and cold spots, to improving indoor air moisture levels, or simply controlling room temperatures through program thermostats and zoning problems, Maytag has a solution.

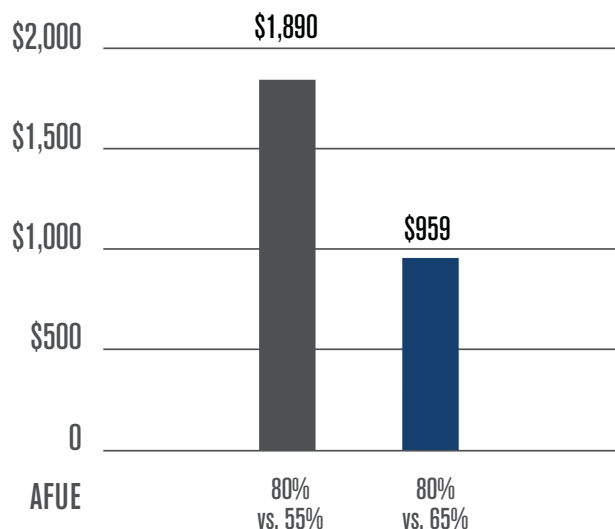
And, Maytag® accessories are covered by a 12-year limited parts warranty when installed and registered with your new Maytag® furnace.





## ENERGY SAVING

Maytag® furnaces are rated in Annual Fuel Utilization Efficiency (AFUE) units. A higher AFUE rating makes it easier for your system to perform more efficiently by delivering more heat to your home and lowering your utility bills. You can be sure in the total comfort of your home that Maytag® furnaces will save you more.



Three-Year Heating Savings of compared units - dollar amounts computed at \$.092 ccf, for 2,500 full-load heating hours and a system rated at 60,000 Btuh. Actual savings vary depending on climate conditions, fuel rates, and patterns of usage according to individual lifestyle.

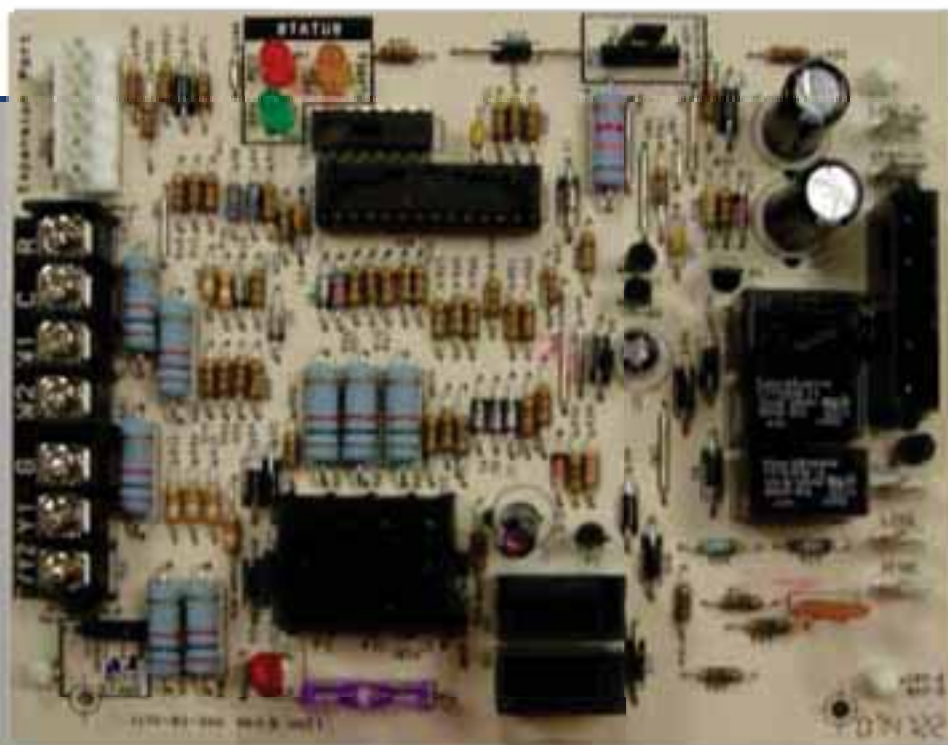
## ADVANCED TECHNOLOGY

Maytag® gas furnaces with SmartStart® control boards provide extended life to igniters in furnaces using hot surface ignition technology. They are programmed to learn the heat-up characteristics of the igniter, then adapt the ignition time to the characteristics of the furnace so the igniter is energized appropriately.

Maytag® gas furnaces employ hot surface ignition systems (HSI). These use an igniter that, when energized, rapidly generates an intense heat sufficient to ignite the fuel gas. These systems are safe, well proven and have a good track record.

The SmartStart control board contains a program that varies the igniter heat-up time interval. It learns the heat-up characteristics of the igniter in the furnace by searching for the threshold of ignition failure. It then adjusts the heat-up interval on the next trial accordingly. This upgrade has been accomplished by microchip software reprogramming. The introduction of this control represents a significant advance in HSI furnace technology. All Maytag® gas furnaces include the SmartStart control board.

## MAYTAG®'S SMARTSTART CONTROL BOARD



# MAYTAG® GAS FURNACES WITH iSEER®

## THEY CAN ACTUALLY REDUCE YOUR COOLING COSTS

**M**aytag® furnaces with iSEER technology do more than create a comfortable home. They also reduce your energy bills – on both the heating and cooling side. When matched with a Maytag® 13- or 14-SEER outdoor unit, these Maytag® furnaces can increase SEER up to one point.

### CHOOSE iSEER FOR THE ENERGY SAVINGS. APPRECIATE IT FOR THE COMFORT.

Perhaps the best reason for choosing a Maytag® iSEER furnace is the total home comfort it provides. You can continuously run the highly efficient iSEER fan motor at a lower level for constant airflow – eliminating hot and cold spots in the house as well as stagnant air.

iSEER®

When you choose a variable-speed model, you get even more comfort features. iSEER helps dehumidify your home to promote healthier indoor air quality.

Find the Maytag® iSEER furnace that's right for you. Maytag®'s iSEER technology is available in multiple configurations – to meet your heating, efficiency and budgetary needs.

### THE HEART OF iSEER IS ITS ULTRA-EFFICIENT MOTOR

Maytag® furnaces with iSEER use a brushless DC motor instead of a standard PSC motor. This more efficient motor is combined with advanced programming controls for an incredibly sophisticated design that creates superior home comfort and efficiency.



# MOTOR COMPARISONS AT A GLANCE

Standard PSC Motor	Fixed-Speed iSEER Motor
Minimal speed ranges.	16 heating speeds and 16 cooling speeds.
Lower efficiencies.	Highly efficient; can boost outdoor unit SEER by up to one point.  Uses less electricity during heating and cooling cycles than conventional blower motor.
No programmable features.	Can program speeds to match home's unique needs.

Standard PSC Motor	Variable-Speed iSEER Motor (includes fixed-speed benefits)
Runs at one speed and cycles on and off.	Automatically changes its speed and makes adjustments to maintain constant airflow.
Poor dehumidification.	Helps control humidity levels, and improves dehumidification.
Creates hot and cold spots in home.	Helps mix air to reduce hot and cold spots while reducing stagnation.
Noisy. Runs more often at higher, louder speeds and makes an abrupt change in sound when system cycles on and off.	Quiet. Motor design produces very low torque wave. Motor ramps up to speed, minimizing abrupt sound changes.

## THE IMPORTANCE OF SEER

Seasonal Energy Efficiency Ratio (SEER) is the unit by which air conditioning and heat pump energy efficiency is measured. In the world of cooling, the higher the SEER, the better the efficiency – and the lower your power bill.

Most homes built in the last 10 years have 8- to 10-SEER cooling units. Increasing to 14 or 15 SEER can make a big improvement in your energy bills.

## FIXED- VERSUS VARIABLE-SPEED

**Fixed-speed technology** means that the motor will run at a speed set by the installer. With iSEER®

technology, your Maytag® contractor can choose from 16 heating speeds and 16 cooling speeds, plus additional low-operation speeds, to find the exact right operating speeds for your home.

**Variable-speed technology**, on the other hand, means the system will automatically utilize several different speeds for optimal comfort. For example, a variable-speed furnace can help compensate for a dirty air filter by automatically increasing its speed to maintain airflow. It also ramps up to eliminate the sudden blast of air found in conventional systems, and can enhance comfort and dehumidification to provide healthier indoor air quality.

## BUILT FOR EFFICIENCY. BUILT TO LAST.

Maytag® M1200 series of products offer a 12-Year Worry-Free Limited Warranty on parts and a Limited Lifetime Heat Exchanger Warranty when the product is registered.\*

Plus, our Dependability Promise states that your entire unit will be replaced if the heat exchanger fails within the first 12 years of purchase, registration required.\*

\*Applicable to the original owner.



Ask your select Maytag® heating and cooling contractor or visit us at [www.maytaghvac.com](http://www.maytaghvac.com) for warranty details.



WHAT'S INSIDE MATTERS®



Specifications and illustrations subject to change without notice and without incurring obligation. SmartStart is a registered trademark of Maytag Corporation. iSEER®, iQ Drive®, ecoLogic® are registered trademarks of Nortek Global HVAC LLC. Printed in the U.S.A.

© Nortek Global HVAC LLC 2015. All rights reserved. Manufactured under license by Nortek Global HVAC LLC, O'Fallon, MO.

[www.maytaghvac.com](http://www.maytaghvac.com)

977D-0515