

Compact. High Performance. Energy Saving.



Ruud XR90

New 29 gallon water heater outperforms standard 50 gallon models!

The Ruud XR90 is unique. It has a small 17-3/4 inch footprint, yet it can heat water faster than any standard 50 gallon model. With its low operating cost and compact size, it soon will be a favorite with homeowners and contractors alike.

Key Benefits

- **More hot water faster:** Exceeds standard 50 gallon performance*
- **Lower operating cost:** Its high .70 EF cuts water heating bills 17% without sacrificing hot water
- **Small size:** Compact 29 gallon/17-3/4 inch diameter fits when others won't
- **Fast one-man installation:** Compact and light weight... ideal retrofit!
- **Self-diagnostic gas valve:** Easier installation, faster service

Key Features

- **.70 EF:** Exceeds ENERGY STAR® Phase II requirement
- **Compact 29 gallon model with 90 gallon FHR performance**
- **Recovery rate of 61 GPH at 90 degree rise:** Exceeds standard 50 gallon by up to 49%!
- **60,000 BTU:** Low NOx burner design; meets 40ng/J NOx requirement
- **Fan assisted draft:** Because more heat is delivered to the water, the draft inducer propels the cooler flue gases up the vent
- **110 VAC draft inducer:** Includes standard 8 ft. cord & three-prong plug
- **Standard atmospheric venting:** Category I, double walled B-vent
- **Well insulated:** Reduces stand-by heat loss

*Performance compared to an atmospherically vented 50 gallon, 40,000 BTU gas water heater with an EF of .58.



Residential water heaters
from Ruud



Rely on Ruud™

INTRODUCING THE RUUD XR90



Products meet or exceed the requirements of ENERGY STAR® Phase II effective September 1, 2010.

Available in 29 Gallon Gas Model 60,000 BTU – 90 Gallon FHR Performance

- ▶ **6-Year Limited Tank and Parts Warranty***
- ▶ **With ProtectionPlus™ the 6-Year Limited Tank Warranty Becomes 10 Years!**

Energy Efficient / Low Emissions

- .70 EF exceeds ENERGY STAR® Phase II
- 29 gallon model with 90 gallon FHR performance
- Recovery rate of 61 GPH at 90 degree rise, exceeds standard 50 gallon by up to 49%
- Insulated for reduced stand-by heat loss
- Eco-friendly burner, low NOx design
- More hot water, lower operating cost

Compact Size

- Small foot print, 17-3/4 inch diameter
- Fast one-man installation, compact and light weight

Fan Assist Design

- 110 VAC draft inducer (includes cord & plug)
- Standard atmospheric double-wall B vent

Self-Diagnostic System

- Integrated self-diagnostic system control for easy installation and service

Guardian System™

- Exclusive air/fuel shut-off device for double protection
- Maintenance free – no filter to clean
- Standard replacement parts

Flammable Vapor Detection Sensor

- Protective control system that disables the heater in the presence of flammable vapor accumulation

Longer Life

- Patented magnesium anode rod design incorporates a special resistor which protects the tank from rust

High Altitude Compliant

- Certified for applications up to 7,700 feet above sea level

Plus...

- Dual certified for both potable water and space heating
- Brass drain valve and temperature and pressure relief valve are included
- Standard 110 volt electrical outlet required for installation. Includes 8 ft. (3-prong grounded) power cord
- Category I double wall B vent, 3" or 4" (4" adaptor included)
- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements

*See Residential Warranty Certificate for complete information.

What is a Fan Assisted Draft Inducer?

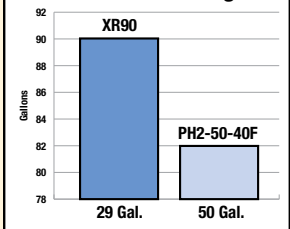
Standard gas water heaters produce extremely hot air during combustion, which moves the combustion gases quickly up the chimney. The XR90 is much more efficient (i.e. it puts more heat in the water and less heat up the chimney).

A proprietary baffle and flue design retains the heat longer, therefore a device is needed to propel the air and gases upward.

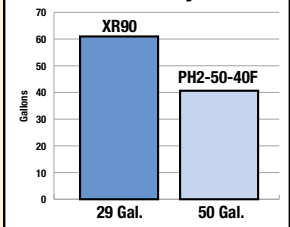
Fan assist draft inducer creates the proper draft to expel the combustion gases.

Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. D.O.E. national average fuel rate natural gas \$1.218/therm; LP \$1.87/gallon.

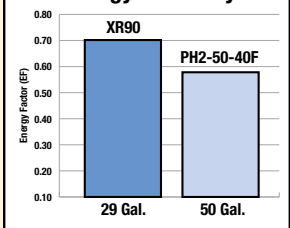
First Hour Rating



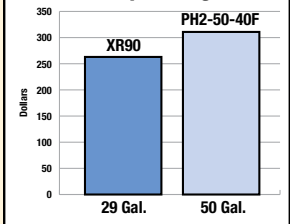
Recovery



Energy Efficiency



Annual Operating Cost



DESCRIPTION		FEATURES			ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									ENERGY INFO.	
GALLON CAPACITY	MODEL NUMBER	GAS INPUT IN THOUS. BTU/HR. NAT.	RECOVERY IN G.P.H. 90° RISE NAT.	FIRST HOUR DEL. G.P.H. NAT.	HT. TO VENT A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CNTR. F	HT. TO SIDE T&P G	WATER CONN. H	SHIP. WT. (LBS)	ENERGY FACTOR NAT.	AVG. ANN. OPER. COST NAT.
29	P30-60	60	61	90	65-1/2	58-1/4	17-3/4	14	3 or 4	8	51-9/16	3/4	136	0.70	\$261

In keeping with its policy of continuous progress and product improvement, Ruud reserves the right to make changes without notice.

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from Ruud



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Printed in U.S.A. 07/11 WP 102R-91XR