



# Ultra high efficiency GAS SPIDERFIRE: ULTRA HIGH EFFICIENCY CONDENSING GASWATER HEATERS WITH UP TO 97% THERMAL EFFICIENCY



## How Spiderfire Works

The heart of the SPIDERfire is its patented multi-leg, heat-exchange system. Our proprietary design provides a remarkably efficient heat transfer system.

1. Top burner blows combustion gases down the main flue.
2. Hot gases traverse nearly the full length of the elongated tubes two more times, extracting the heat.
3. By the end of the cycle, the temperature of the flue gases drops to between 110°F and 140°F and is cool enough for condensation to begin.

- Sealed combustion system
- Patented heat exchanger eliminates hot spots for better efficiency and longer life
- Ultra low NOx burner
- Faster, less costly venting with -2", -3", -4" or -6" diameter PVC plastic pipe
- Industry best venting! Up to 170 feet for models less than 200,000 Btu/h; Up to 130 feet for models over 200,000 Btu/h
- Built-in side riser saves time
- Installs as power vent or power direct vent
- Certified up to 8,999 feet above sea level
- Natural Gas and LPG models

## Spiderfire Features

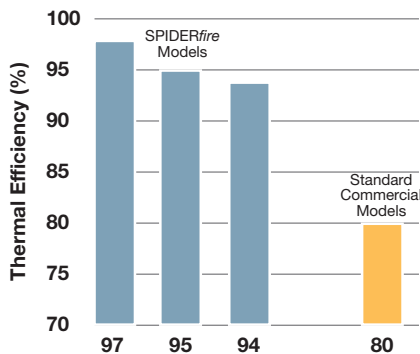
- Up to 97% thermal efficiency
- 80 and 100-gallon capacities
- LCD diagnostic control system
- 130,000 - 399,900 Btu/h inputs

## Warranty

- 3-Year limited tank warranty, upgradable to 5 years



## Thermal Efficiency SPIDERfire compared to standard commercial water heaters



SPIDERfire reduces operating cost with up to 97% thermal efficiency.

## SPIDERfire 80 & 100-Gallon Models

DESCRIPTION				DIMENSIONS (INCHES)			
GAL. CAP.	MODEL NUMBER	INPUT (BTU/H) NAT. & LP	THERMAL EFF.	HEIGHT	WIDTH	VENT	SHIP WT. (LB.)*
80	★ GHE80ES-130(A)	130,000	97%	69-5/8	26-1/4†	2, 3, 4	725
	★ GHE80ES-150(A)	150,000	94%	69-5/8	26-1/4†	2, 3, 4	725
	★ GHE80ES-200(A)	199,000	94%	69-5/8	26-1/4†	2, 3, 4	745
	★ GHE80ES-250(A)	250,000	95%	69-5/8	26-1/4†	3, 4	745
	★ GHE80ES-300(A)	300,000	94%	69-5/8	26-1/4†	3, 4, 6	745
100	★ GHE100ES-130(A)	130,000	95%	78-3/4	26-1/4†	2, 3, 4	765
	★ GHE100ES-160(A)	160,000	95%	78-3/4	26-1/4†	2, 3, 4	765
	★ GHE100ES-200(A)	199,000	95%	78-3/4	26-1/4†	2, 3, 4	765
	★ GHE100ES-250(A)	250,000	95%	78-3/4	26-1/4†	3, 4	795
	★ GHE100ES-300(A)	300,000	94%	78-3/4	26-1/4†	3, 4, 6	795
	★ GHE100ES-350(A)	350,000	94%	78-3/4	26-1/4†	3, 4, 6	800
	★ GHE100ES-400(A)	399,900	94%	78-3/4	26-1/4†	3, 4, 6	800

H ENERGY STAR® compliant model.

\*Weights listed are for non-ASME. Add 35 lbs. for ASME models.

130,000 - 199,000 Btu/h models are certified to be installed with 2" venting.

†Overall width is 27-5/16" due to exhaust cover.



RELY ON RUUD.™