



HIGH EFFICIENCY COMMERCIAL GAS  
**HCG SERIES**



**HIGH EFFICIENCY.  
HIGHER RELIABILITY.**  
UP TO 96% EFFICIENCY ON ALL MODELS.

# THE QUALITY YOU'VE COME TO EXPECT

## Now More Efficient Than Ever

The High Efficiency Commercial Gas Water Heaters embody all that's great about the American brand. They're designed for outstanding reliability, maximum installation flexibility and, above all, excellent thermal efficiency.

Just how efficient is the HCG Series? In comparison to standard water heaters with only 80% efficiency, it delivers up to 400,000 BTU input with 95% efficiency. This means greater energy savings and more hot water delivery for each energy dollar spent. Simply put, HCG Series models are the most efficient commercial water heaters we've ever built! Every model is ENERGY STAR® Qualified.

## A Great Choice For Many Applications

With their small footprint and top-mounted controls, HCG Series units are designed for efficient installations in a large variety of locations. Though they're a natural cost-saving choice for restaurants and other mid-sized applications, multiple units can be combined together to deliver even greater capacity and recovery – all with 95% or 96% efficiency. Add to that the American brand's reputation for unparalleled service, and you begin to understand why the HCG Series is the best choice for your business.



## EFFICIENT AND RELIABLE



### 1 BUILT TO LAST

- Corrosion-resistant tank with durable glass lining on all water-side surfaces
- Corrosion-resistant heat exchange coil with glasslined interior to protect against corrosive flue gas condensation
- Rugged thick foam insulation

### 2 EASY TO INSTALL AND SERVICE

- All controls, gas valves and the combustion air blower located on top for easy access
- Top-mounted controls protect unit electronics from high water damage
- Less than 2" ceiling clearance required for servicing
- 0" clearance required on all sides

### 3 POWERED TITANIUM ANODES

- Long-lasting titanium powered anodes protect from corrosion
- System calculates the precise current required to maintain optimum protection
- Over time or as water conditions change, the amount of power needed to protect the tank is automatically adjusted
- Powered anodes require no maintenance or inspection, providing years of dependable service

### 4 DETAILED HEATER STATUS INFORMATION

- Status of blower, igniter, igniter current, gas valve, flame detection, air inlet restrictions, exhaust vent restrictions, acceptable gas supply pressure
- Precise temperature setting
- Alerts prior to potential corrosion-related leaks
- Constant log of number of cycles and burner operating time

### 5 POWER FROM THE TOP DOWN

- A precise mixture of gas and forced air for optimal combustion
- Spiral shape coil design keeps hot gases swirling along the walls of the tank, using centrifugal force to achieve an extremely high rate of heat transfer and thermal efficiency of up to 95%
- Quiet operation with new top-down combustion system



### INTELLIGENT ELECTRONIC CONTROL PANEL

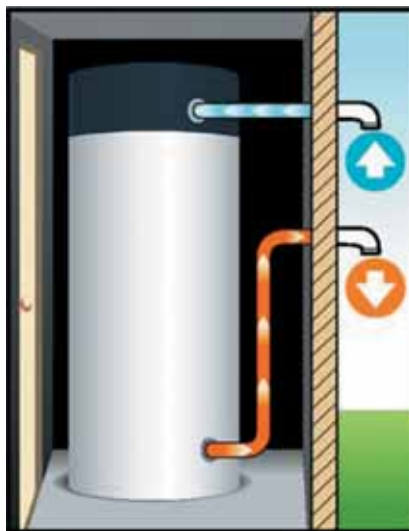


- The intelligent control system makes it the smartest commercial water heater ever made
- Provides precise temperature control and unit operating information
- Large backlit LCD display area gives current operation mode, tank temperature and operating set point
- If service is required, the control alerts the user and provides plain English diagnostics to assist in repairs



# TALK ABOUT A PERFECT FIT

The HCG Series water heaters conveniently fit in the smallest possible space to make them a practical choice for even more installations. All serviceable components are accessible from the front and top to make placement easy in a corner or flush against a wall.



## Multiple Venting Options

All HCG Series models may be installed using standard venting or by using two-pipe direct venting to eliminate potential negative air pressure problems. For ease and convenience, all vents can also be run vertically or through the sidewall. All models vent ABS, CPVC or PVC pipe.

Model	Gallon Capacity	BTU/ Hr. Input Natural/LP	First Hour Delivery Natural/LP	Recovery In GPH @ 100° Rise $\Delta$ Natural/LP	Height (Inches)	Diameter (Inches)
HCG3-60T120-3N	60	120,000 120,000	180 180	138 138	55 1/2	27 3/4
HCG3-100T150-3N	100	150,000 150,000	243 243	173 173	75 1/2	27 3/4
HCG3-100T199-3N	100	199,900 199,900	300 300	230 230	75 1/2	27 3/4
HCG3-100T250-3N	100	250,000 250,000	346 346	288 288	75 1/2	27 3/4
HCG3-130T300-3N	100	300,000 300,000	440 440	349 349	75 1/2	33 1/8
HCG3-130T400-3N	100	399,900 399,900	557 557	466 466	75 1/2	33 1/8

ASME and Propane (LP) Models available



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