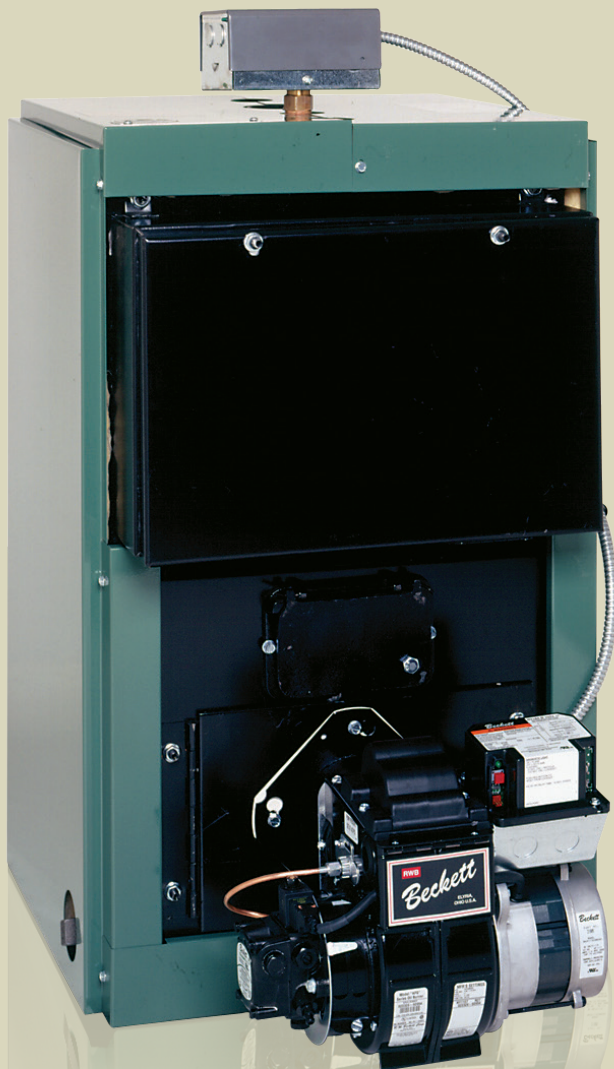


# FR-HGS

## Series

High Efficiency  
Oil-Fired  
Steel Boiler



- **Up to 87.8% AFUE**
- **87 to 137 Net BTUs**
  - In 2 sizes and 3 firing rates
- **Chimney vented**
- **Integrated boiler control**
  - User-friendly
  - Energy-saving “thermal purge” feature circulates residual warm water in heating system prior to firing boiler
  - Combination high limit circulator relay
  - Extensively tested & proven
- **Horizontal firetube heat exchanger, 1/4” and 5/16” boiler-plate steel**
  - Meets the ASME Boiler and Pressure Vessel Code
- **Wet leg design**
  - Provides more heat transfer surface for increased heating efficiency
- **Lifetime limited warranty**
  - See your installing contractor for more warranty information



**New Yorker**<sup>®</sup>  
RESIDENTIAL HEATING BOILERS

MADE IN  
  
U . S . A .

# Ratings, Specifications, and Dimensions



Model	FR-HGS-L	FR-HGS	FR-HGSII
<b>DOE Heating Capacity MBH</b>	100	122	158
<b>Net AHRI Output MBH</b>	87	106	137
<b>AFUE %</b>	87.8%	86.3%	85.0%
<b>IBR Firing Rate (gal./hr.)</b>	.80	1.00	1.30
<b>Nozzle Specification</b>	.65 60° W	.80 60° B	1.10 60° W
<b>Stack Diameter (in.)</b>	6"	6"	7"
<b>Number of Tubes</b>	11	11	13
<b>Boiler Water Capacity (gal.)</b>	9.5	9.5	9
<b>Supply Size (dia.)</b>	1-1/4"	1-1/4"	1-1/4"
<b>Return Size (dia.)</b>	1-1/4"	1-1/4"	1-1/4"
<b>Chimney Size (min.)</b>	8" x 8" 15'	8" x 8" 15'	8" x 8" 15'
<b>Approximate Shipping Weight</b>	402	402	410
<b>Jacket Height - 'A' (in.)</b>	31-7/8	31-7/8	31-7/8
<b>Jacket Width - 'B' (in.)</b>	19-7/8	19-7/8	19-7/8
<b>Jacket Depth - 'C' (in.)</b>	18-3/8	18-3/8	18-3/8
<b>Smoke Outlet Height - 'D' (in.)</b>	25-3/4	25-3/4	26-1/2
<b>Overall Depth - 'E' (in.)</b>	31-3/8	31-3/8	31-3/8
<b>Smokebox Depth - 'F' (in.)</b>	3-1/8	3-1/8	3-1/8
<b>Flue Collar O.D. - 'G' (in.)</b>	5-7/8	5-7/8	6-7/8

## Standard Features

- Horizontal firetube boiler
- Integrated boiler control system
- 3450 RPM flame retention Beckett oil burner
- Electronic ignitor 14KV
- Taco 007 circulator
- Clean cut fuel pump
- Tridicator
- National board registration
- Swing away burner
- Aquastat
- Cast iron observation door
- 1-stage fuel pump
- Hinged flue door

