

**EG - Gas Boiler
Weil-McLain**



Series 5
Water or Steam,
With Tankless Heater Option
Natural Draft
NAT'L
MBH: 75-299
Avg. Eff.: 83%

Net Load Range
Hot Water
55,000 to 217,000 BTU/Hr.
Steam
196 to 750 Sq. FT.

- **DURABLE AND HIGH EFFICIENT**
- **EASY TO INSTALL AND SERVICE**
- **MADE WITH WEIL-McLAIN QUALITY**

APPLICATIONS INCLUDE:

Residential
Light Commercial
Multiple Boilers
Indirect-fired Water Heating
... And Much More



| Model | CSA Input (MBH) | % DOE Seasonal Efficiency (AFUE) | | Net AHRI Ratings*** | | | | | | Approx Shipping Weight (Lbs) |
|---------|--------------------|---|------|------------------------------------|----------------|----------------|--------------------|-----------------------|-----|------------------------------------|
| | | Intermittent Ignition w/Damper Natural Gas (PIDN) | | DOE Heating Capacity (MBH)** | Steam (MBH) | Water (MBH) | Steam (Sq. Ft.) | I-B=R Chimney Size | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Water | Steam | | | | | | | | | |
| EG-30-* | 75 | 84.3 | 83 | 62 | 47 | 55 | 196 | 5" I.D. x 20' | 380 | |
| EG-35-* | 100 | 83.6 | 82.9 | 83 | 62 | 73 | 258 | 5" I.D. x 20' | 380 | |
| EG-40-* | 125 | 84 | 82.9 | 104 | 78 | 91 | 325 | 6" I.D. x 20' | 465 | |
| EG-45-* | 150 | 83.5 | 82.9 | 125 | 94 | 110 | 392 | 6" I.D. x 20' | 465 | |
| EG-50-* | 175 | 83.8 | 82.8 | 145 | 109 | 128 | 454 | 7" I.D. x 20' | 545 | |
| EG-55-* | 200 | 83.8 | 82.8 | 167 | 125 | 146 | 521 | 7" I.D. x 20' | 545 | |
| EG-65-* | 250 | 84 | 83 | 209 | 157 | 183 | 654 | 8" I.D. x 20' | 630 | |
| EG-75-* | 299 | 82.7 | 82.4 | 247 | 185 | 217 | 750 | 8" I.D. x 20' | 695 | |

Notes:

* Add to boiler number "W" for water, "S" for steam. Add "PIDN" to designator for boiler with intermittent electronic ignition system. Add "T" to designator for boiler with tankless heater openings. Add "P" to prefix for factory-assembled fire-tested package boiler (steam only sizes 30 thru 55).

** Based on standard test procedures prescribed by the United States Department of Energy.

*** Net AHRI ratings are based on net installed radiation of sufficient quantity for the requirements of the building and nothing need be added for normal piping and pick-up. Water ratings are based on a piping and pick-up allowance of 115; steam ratings on an allowance of 1333. An additional allowance should be made for unusual piping and pick-up loads.

NOTE: EG boiler is CSA design certified for installation on non-combustible flooring only. Tested for 50 PSI working-pressure. Not available for millivolt systems.

Dimensions

| Model | Number & Size | | Dimensions-Inches | | | Minimum Recommended Pipe Sizes | | | |
|-------|-----------------|-----------------|-------------------|--------|---------|--|--------------------------------------|----------------------------|--------------------|
| | Supply (NPT) | Return (NPT) | D | V | W | Gas Connection Size* Natural & Propane | Forced Water Supply & Return** | Steam Riser & Header*** | Steam Equalizer |
| EG-30 | 2-3" | 2-2 1/2" | 5" | 6" | 17" | 1 1/2" | 1" | 2" | 1 1/2" |
| EG-35 | 2-3" | 2-2 1/2" | 5" | 6" | 17" | 1 1/2" | 1" | 2" | 1 1/2" |
| EG-40 | 2-3" | 2-2 1/2" | 6" | 6 1/2" | 21 1/4" | 1 1/2" | 1 1/4" | 2 1/2" | 1 1/2" |
| EG-45 | 2-3" | 2-2 1/2" | 6" | 6 1/2" | 21 1/4" | 1 1/2" | 1 1/4" | 2 1/2" | 1 1/2" |
| EG-50 | 2-3" | 2-2 1/2" | 7" | 9" | 25 1/2" | 1 1/2" | 1 1/4" | 2 1/2" | 1 1/2" |
| EG-55 | 2-3" | 2-2 1/2" | 7" | 9" | 25 1/2" | 1 1/2" | 1 1/2" | 3" | 1 1/2" |
| EG-65 | 2-3" | 2-2 1/2" | 8" | 9 1/2" | 29 3/4" | 3/4" | 1 1/2" | 3" | 1 1/2" |
| EG-75 | 2-3" | 2-2 1/2" | 8" | 9 1/2" | 34" | 3/4" | 2" | 3" | 1 1/2" |

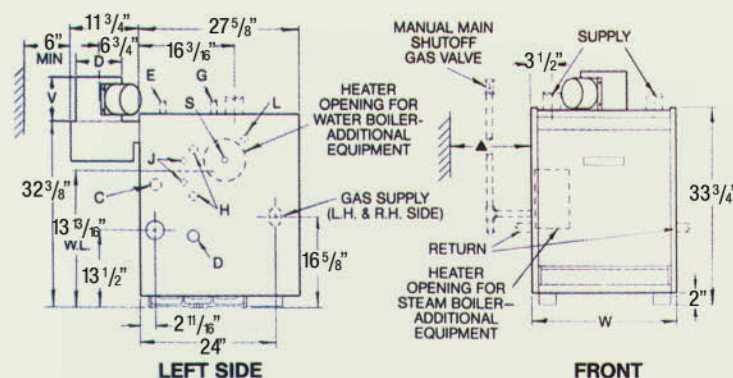
* Sizes shown are gas connection sizes. Gas piping from meter to boiler to be sized according to local utility requirements.

** All supply and return sizes are based on a 20°F temperature rise through the boiler.

*** 24" minimum from water line to header.

| Location | Size | Steam | Water |
|----------|--------|--|--|
| C | 3/4" | Electrode-Type-Low-Water Cutoff | Plugged |
| D | 3/4" | Drain | Drain |
| E | 3/4" | Safety Valve | Safety Relief Valve |
| G | 3/4" | Plugged | Piping to Compression Tank or Auto. Air Vent |
| H | 1/4" | Gauge Glass and/or Low-Water Cutoff | Plugged |
| J* | 3/8" | Try Cock Tappings | - |
| L | 1/4" | Syphon, Pressure Gauge, High-Limit Control | Combination Pressure-Temperature Gauge |
| S Steam | 1 1/2" | Skim Tapping | - |
| S Water | 3/4" | - | Limit Control |

* Available only on special request.



Standard and Optional Equipment

Standard Equipment:

Factory-Assembled Section Block
Insulated Extended Jacket
Horizontal to Vertical Draft Hood
Automatic Vent Damper (additional for EG-75)
Combination Gas Valve for 24 Volt
Non-Linting Pilot Burner
Stainless Steel Burners
Electrical Junction Box
Spill Switch
Rollout Thermal Fuse Element
Water Boilers Only:
Built-in Air Separator
30 PSI ASME Relief Valve (boiler sections tested for 50 PSI working pressure)
Combination Pressure-Temperature Gauge
High-Limit Control
Integrated Boiler Control Module with Intermittent Electronic Ignition System & Indicator/Diagnostic Lights
40 VA Transformer
Plug-in Connector and Wiring

Steam Boilers Only:

15 PSI ASME Relief Valve (boiler sections tested for 15 PSI working pressure)
High-Limit Pressure Control
Low Water Cutoff-Electrode Type
40VA Transformer
Steam Pressure Gauge
Syphon
Gauge Cocks and Glass
Intermittent Electronic Ignition System with Weil-McLain UCM Universal Ignition Control Module

Optional Equipment:

Package Steam Boiler-Factory-Assembled and Fire-Tested (P-EG-30 thru 55 only)
Left End Section with Openings for Tankless Heaters
Tankless Heaters, Heater Cover Plates, and Controls
Automatic Vent Damper for EG-75 with Electronic Ignition
Gas Conversion Kits

WEIL-McLAIN

