Inspections Division
Date: 11/21/13

EG - Gas Boile
Weil-McLai

Water or Steam,
With Tankless Heater Option
Natural Draft
NAT'L or LP
MBH: 75-300
Avg. Eff.: 83%

Net Load Range
Hot Water
55,000 to 209,000 BTU/Hr.
Steam
196 to 750 Sq. FT.

EG
GAS BOILER

- **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

WEIL-McLAIN
www.weil-mclain.com

Ratings DOE MADE IN THE USA

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Model	CSA Input (MBH)	% DOE Seasonal Efficiency (AFUE) Intermittent Ignition w/Damper Natural Gas (PIDN) Water	Intermittent Ignition w/Damper Natural Gas (PIDN) Steam	Standing Pilot w/Damper Natural Gas (SPDN) Water	Standing Pilot w/Damper Natural Gas (SPDN) Steam	Standing Pilot w/Damper Propane (SPDL) Water	Standing Pilot w/Damper Propane (SPDL) Steam	DOE Heating Capacity (MBH)**	Net I=B=R Ratings*** Steam (MBH)	Water (MBH)	Steam (Sq. Ft.)	I=B=R Chimney Size	Approx. Shipping Weight (Lbs)
EG-30-*	75	84.3	83	82.2	81	84.2	82.9	62	47	55	196	5" I.D. × 20'	380
EG-35-*	100	83.6	82.9	82	81.3	83.7	82.5	83	62	73	258	5" I.D. × 20'	380
EG-40-*	125	84	82.9	82.5	81.5	84.3	83.2	104	78	91	325	6" I.D. × 20'	465
EG-45-*	150	83.5	82.9	82.4	81.6	84	83	125	94	110	392	6" I.D. × 20'	465
EG-50-*	175	83.8	82.8	82.9	81.9	84.4	83.7	145	109	128	454	7" I.D. × 20'	545
EG-55-*	200	83.8	82.8	82.5	81.9	84.2	83.5	167	125	146	521	7" I.D. × 20'	545
EG-65-*	250	84	83	82.6	82	84	82.8	209	157	183	654	8" I.D. × 20'	630
EG-75-*	300	-	-	-	-	-	-	240	180	209	750	8" I.D. × 20'	695

Notes:

* Add to boiler number "W" for water, "S" for steam. Add "SPD" to designator for boiler with standing pilot. Add "PID" to designator for boiler with intermittent electronic ignition system. For SPD models add "N" for natural gas, "L" for propane (propane not available for PID). 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). Example PEG-30-S-SPDN.

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

*** Net I=B=R 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 Supply (NPT)	Number & Size Return (NPT)	Dimensions-Inches D	V	W	Gas Connection Size* Natural & Propane	Minimum Recommended Pipe Sizes Forced Water Supply & Return**	Steam Riser & Header***	Steam Equalizer
EG-30	2-3"	2-2½"	5"	6"	17"	½"	1"	2"	1½"
EG-35	2-3"	2-2½"	5"	6"	17"	½"	1"	2"	1½"
EG-40	2-3"	2-2½"	6"	6½"	21¼"	½"	1¼"	2½"	1½"
EG-45	2-3"	2-2½"	6"	6½"	21¼"	½"	1¼"	2½"	1½"
EG-50	2-3"	2-2½"	7"	9"	25½"	½"	1¼"	2½"	1½"
EG-55	2-3"	2-2½"	7"	9"	25½"	½"	1½"	3"	1½"
EG-65	2-3"	2-2½"	8"	9½"	29¾"	¾"	1½"	3"	1½"
EG-75	2-3"	2-2½"	8"	9½"	34"	¾"	2"	3"	1½"

* Sizes shown are gas connection sizes. Gas piping from meter to boiler is 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	¾"	Electrode-Type-Low-Water Cutoff	Plugged
D	¾"	Drain	Drain
E	¾"	Safety Valve	Safety Relief Valve
G	¾"	Plugged	Piping to Compression Tank or Auto. Air Vent
H	¼"	Gauge Glass and/or Low-Water Cutoff	Plugged
J*	⅜"	Try Cock Tappings	-
L	¼"	Syphon, Pressure Gauge, High-Limit Control	Combination Pressure-Temperature Gauge
S Steam	1½"	Skim Tapping	-
S Water	¾"	-	Limit Control

* Available only on special request.

Standard and Optional Equipment

Standard Equipment:

Limited Lifetime Warranty on Water Boiler Sections; 10 Years On Steam Boiler Sections
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
40VA Transformer With Receptacle for Circulator Relay
Plug-in Circulator Relay

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

High Efficiency model-SPD:

Constant Burning, Thermally Supervised Pilot System
Thermocouple

Highest Efficiency model-PID:

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

In the interest of continual improvements in product and performance, Weil-McLain reserves the right to change specifications without notice.

Analysis for Your Home Safety

Deteriorating Chimney

Staining from Leaking Condensation

Unlined Chimney

- ☐ ***Staining from Leaking Condensation***
  The condensation in your chimney is seeping through to the interior of your home, or your chimney exterior, and creating costly damage
- ☐ ***Disintegrating Chimney Structure***
  Acidic moisture goes through freeze and thaw periods with expansion and contraction creating cracks in your mortar and flue tiles
- ☐ ***Poor Draft***
  You have an improper flue size matched to your heating appliance
- ☐ ***Tight Clearance***
  You have inadequate clearance to the wood framing of your home
- ☐ ***Damaged Chimney Structure***
  Will allow carbon monoxide, smoke, and fire to enter your home
- ☐ ***Down-Drafting & Smoke***
  If you have an improperly lined flue, you can expect an unsteady draft leading to a down-ward flow bringing smoke into your home

How Safe is Your Home?

Your local M-Flex dealer

ONE SOLUTION *for every application*

By having your chimney relined with the M-Flex 316L Stainless Steel Liner, you will not only increase the efficiency of your fuel burning appliance, but more importantly, you can rest assured that your chimney is safe for use.

Wood and pellet stoves

Fireplaces

Fireplace inserts

Furnace and water heaters

Premier Mix

Premier Wrap

Having your liner insulated with either Premier Mix—a poured insulation mixture, or Premier Wrap—a ceramic wool blanket helps create a steady draft and allows for zero clearance installation.

M-FLEX

Proudly Manufactured in the United States

We've been manufacturing M-Flex Stainless Steel and Aluminum Chimney Liner systems since 1992 and with the industry's largest variety of sizes, alloys and custom chimney liners, we're eager to fulfill your chimney liner needs.

Realizing the only way to truly control a product is to manufacture, has invested in the industry by becoming the premier manufacturer of stainless steel liners and components to match.

for Your Safety *and* Comfort

M-FLEX

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CITY OF PORTLAND MAINE