

FRTM Series

High Efficiency Oil-Fired Steel Water Boiler



 **New Yorker**[®]
RESIDENTIAL HEATING BOILERS



WHY

Why Hydronic Heat by New Yorker?



New Yorker has produced a variety of boilers for a wide range of applications with simple installation and service. As part of the New Yorker family of products, the FR oil-fired steel boiler delivers the proven features that have made New Yorker the choice of heating professionals nationwide.

The Right Choice

When the time comes to replace your existing boiler, and you need a reliable and affordable heat source, ask your contractor about the New Yorker FR Series.

Replacing a heating system is a big decision, and you will need to evaluate many factors. When you choose the New Yorker FR Series, all those decisions can be made easily.

An Economical Choice

The FR steel boiler design maximizes heat transfer for the most efficient use of fuel—saving you valuable heating dollars.

A Reliable Choice

The New Yorker FR Series Boiler uses only name brand controls and accessories, giving you years of comfortable, reliable heating.

The FR Series' boiler plate steel heat exchanger and steel turbulators are designed for maximum heat transfer efficiency.

A Wise Choice

- New Yorker stands behind the heat exchanger of the FR Series with a Lifetime Limited Warranty. See your installing contractor for more warranty information.
- The steel heat exchanger is designed for easy maintenance, saving you money.
- The heat exchanger design and construction meets the requirements of the ASME boiler and pressure vessel code—this ensures quality and safety for you.
- The FR Series is available as a knockdown boiler which allows easier boiler room accessibility.



Advantages of the FR

ADVANTAGES

Top Quality Components

are standard, including Taco circulator, Honeywell controls and Beckett Oil Burner

Deluxe Insulated Jacket

increases efficiency by reducing stand-by heat losses

The FR Series Offers a Choice

of a domestic hot water coil for an abundant supply of hot water, or add an indirect domestic hot water heater for even greater domestic hot water needs

Hinged Flue Door & Burner Door

for easier access and cleaning

Horizontal Firetube Boiler

- longer service life
- easy cleaning
- consistent output ratings year after year

1/4" and 5/16"

Boiler-Plate Steel

meet the requirements of the ASME Boiler and Pressure Vessel Code

Flame Retention Beckett Burner

and natural draft venting ensure high efficiency combustion (Optional - Riello Burner)

Wet Leg Design

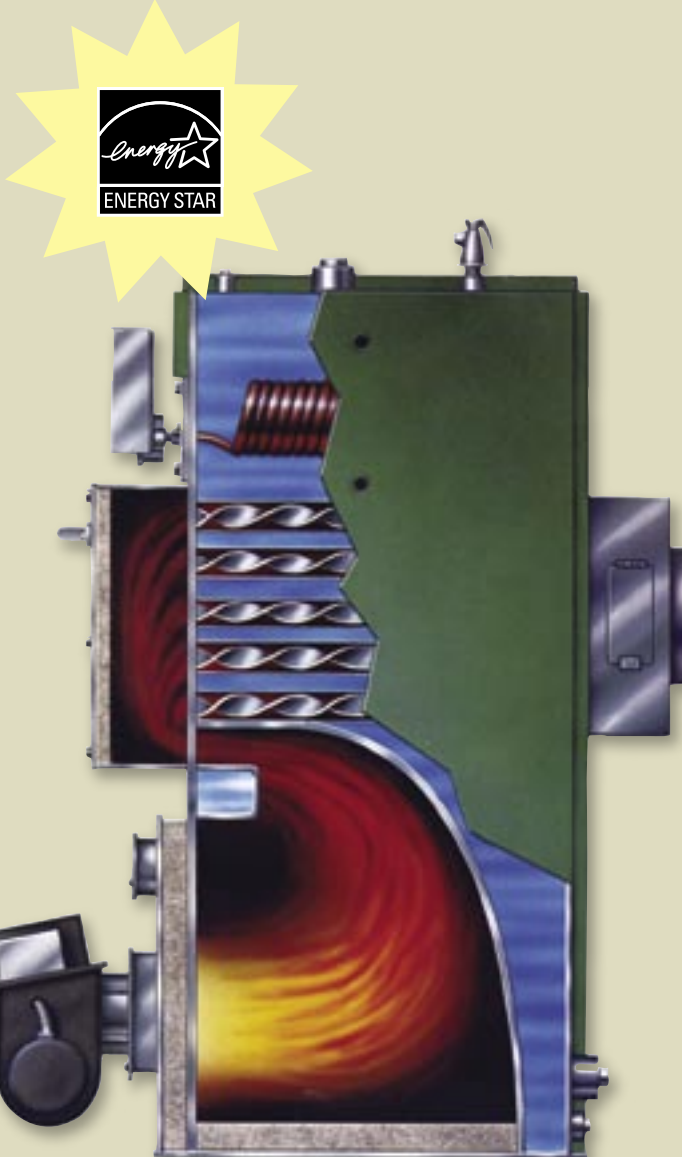
provides more heat transfer surface for increased heating efficiency

Intermittent Ignition System

available as an option for extra savings.

Available in 6 Sizes

to ensure that there is one for your home heating needs



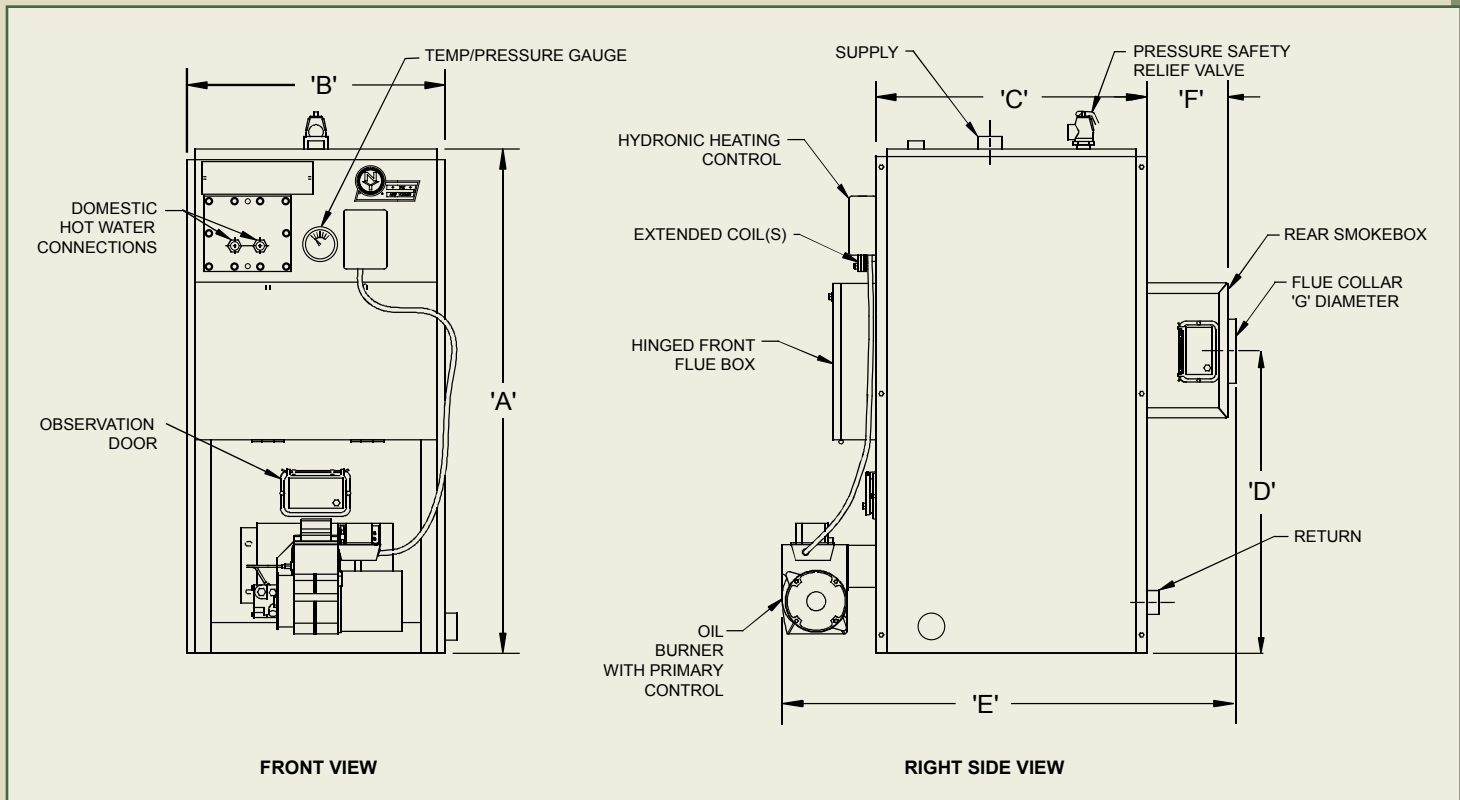
Ratings & Specifications

Model	FR-98-W	FR-122-W	FR-147-W	FR-173-W	FR-205-W	FR-232-W
AFUE %	86.4	85.1	86.7	85.9	86.0	85.1
DOE Heating Capacity MBH	104	132	154	184	215	242
Net IBR Output MBH	90	115	134	160	187	210
IBR Firing Rate (gal./hr.)	.85	1.10	1.25	1.50	1.75	2.00
Nozzle Specification	.75 60°B	.90 60°B	1.00 60°B	1.25 60°B	1.50 60°B	1.65 60°B
Stack Diameter	6"	6"	7"	7"	8"	8"
Number of Tubes	12	12	18	18	18	18
Boiler Water Capacity	20	20	40	40	46	46
Supply Size (dia.)	1-1/4"	1-1/4"	2"	2"	2"	2"
Return Size (dia.)	1-1/4"	1-1/4"	2"	2"	2"	2"
Chimney Size (min.)	8" x 8" x 15'	8" x 8" x 15'	8" x 8" x 15'	8" x 8" x 15'	8" x 8" x 15'	8" x 8" x 15'
Approximate Shipping Weight	450	450	720	720	780	780
Jacket Height - 'A'	37-7/8"	37-7/8"	46-5/8"	46-5/8"	46-17/32"	46-17/32"
Jacket Width - 'B'	19-7/8"	19-7/8"	21-7/8"	21-7/8"	21-3/4"	21-3/4"
Jacket Depth - 'C'	18-5/16"	18-5/16"	21-5/8"	21-5/8"	25-7/8"	25-7/8"
Smoke Outlet Height - 'D'	25-1/4"	25-1/4"	30-1/4"	30-1/4"	29-3/4"	29-3/4"
Overall Depth - 'E'	28-1/2"	28-1/2"	33-3/4"	33-3/4"	38-3/4"	38-3/4"
Smokebox Depth - 'F'	3-7/8"	3-7/8"	5-3/8"	5-3/8"	6-1/8"	6-1/8"
Flue Collar O.D. - 'G'	5-7/8"	5-7/8"	6-7/8"	6-7/8"	7-7/8"	7-7/8"

Dimensions in inches.

Design working pressure: 30 PSIG, water only.

Extended coil flange on FR-98-173.



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Hatfield, PA

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www.newyorkerboiler.com

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MADE IN



U. S. A.