

FR Series

High Efficiency
Oil-Fired
Steel Boiler



- Up to 86.7% AFUE
- 1.0 to 1.9 GPH in five sizes
- Chimney vented
- Integrated boiler control
 - User-friendly
 - 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
- Domestic hot water coil optional
 - Extended flange on FR-173E, FR-122E
- Wet leg design
 - Provides more heat transfer surface for increased heating efficiency
- Lifetime limited warranty

MADE IN



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**NEW
YORKER**
YOUR BOILER COMPANY

Model	Burner Capacity (GPH)	DOE Heating Capacity (MBH)	AHRI Net Ratings (MBH)	AFUE %	Water Capacity (Gal.)	Approx. Shipping Weight (lbs.)
FR-122-E	1.00	121	105	86.0	20	450
FR-147	1.25	154	134	86.7	40	720
FR-173-E	1.50	182	158	86.0	40	720
FR-205	1.75	215	187	86.0	46	780
FR-232-E	1.90	231	201	86.0	46	780

NOTE: Add "T" to end of model number for tankless heater coil

Net AHRI Water Ratings shown based on a piping and pickup allowance of 1.15.

Consult manufacturer before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

Standard Features

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

Model	Dimensions (inches)							Nozzle Specs	Stack Diam. (in.)	Tubes	Supply Size (in.)	Return Size (in.)	Minimum Chimney Size (in./in./ft.)
	A	B	C	D	E	F	G						
FR-122-E	37-7/8	19-7/8	18-5/16	25-1/4	28-1/2	3-7/8	5-7/8	.90 60°B	6	12	1-1/4	1-1/4	8 x 8 x 15
FR-147	46-5/8	21-7/8	21-5/8	30-1/4	33-3/4	5-3/8	6-7/8	1.00 60°B	7	18	2	2	8 x 8 x 15
FR-173-E	46-5/8	21-7/8	21-5/8	30-1/4	33-3/4	5-3/8	6-7/8	1.25 60°B	7	18	2	2	8 x 8 x 15
FR-205	46-17/32	21-3/4	25-7/8	29-3/4	38-3/4	6-1/8	7-7/8	1.50 60°B	8	18	3	2	8 x 8 x 15
FR-232-E	46-17/32	21-3/4	25-7/8	29-3/4	38-3/4	6-1/8	7-7/8	1.65 60°B	8	18	3	2	8 x 8 x 15

