



# OIL-FIRED STEAM BOILER

## SBO CAST IRON



### UP TO 85.6% AFUE EFFICIENCY

The Dunkirk SBO Steam boiler features a dependable cast iron heat exchanger with robust steel push nipples to maintain a watertight seal. Provides maximum heat transfer and is stronger than the rubber gaskets found in other boilers.

Dunkirk Boilers are reliable, and we back them with a limited 5-year parts warranty.

### DUNKIRK DEPENDABILITY



- Available in 4 sizes from 119 MBH to 210 MBH.
- Dependable Cast Iron Heat Exchanger
- Honeywell Pressure Control, Boiler Water Level Gauge Glass, and Steam Pressure Gauge
- Hydrolevel Electronic Low Water Cut Off
- Atmospheric Chimney Vent Boiler
- #2 Fuel Oil and certified up to B20 Biofuel
- Cast Iron swing door and large flueways allow for easy cleaning and servicing.
- Beckett Burner in a Box Kit (sold separately) is quick and easy to mount and has a plug-in harness. Makes moving the boiler down a stairway easier.
- Optional Tankless Domestic Hot Water Coil Kits
- The Flue Connection is Convertible (Rear/Top). Makes this boiler much easier to adapt to an existing chimney.
- Steam trim is shipped loose allowing the installer optional locations for the condensate return piping, pressure relief valve and boiler drain.
- 12 Year Non-prorated Limited Warranty  
5 Year Parts Limited Warranty  
(Residential)

## RATINGS

MODEL	AHRI CERTIFIED RATINGS									Minimum Stack Draft Required, in. W.C.	Water Content GAL.	Tankless Capacity GPM
	No. 2 Fuel Oil			B20 Fuel Oil			Net Ratings <sup>(2)</sup>		Efficiency			
	Firing Rate GPH	Input MBH <sup>(1)</sup>	Heating Capacity MBH <sup>(1)(3)</sup>	Firing Rate GPH	Input MBH	Heating Capacity MBH <sup>(3)</sup>	Steam MBH <sup>(3)</sup>	Steam SQ. FT.	AFUE% <sup>(3)</sup>			
SBO-3085	0.85	119	104	0.85	114	93	78	325	85.6	-0.04	12.00	2.4
SBO-3105	1.05	147	127	1.05	142	124	95	396	85.0	-0.05	12.00	3.0
SBO-4125	1.25	175	152	1.25	169	145	114	475	85.6	-0.04	14.87	3.6
SBO-4150	1.50	210	180	1.50	203	173	135	563	85.0	-0.05	14.87	4.3

(1) Oil burner input based on No. 2 fuel oil with a heating value of 140,000 Btu/gal. See IOM for B20 fuel oil ratings.

(2) Net AHRI Steam Ratings shown are based on a piping and pickup allowance of 1.33. Consult manufacturer before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping.

(3) Heating Capacity and AFUE based on U.S. Department of Energy test procedure.

Chimney Size: 8 in x 8 in x 15 ft. Refer to IOM and vent pipe manufacturer's instructions for equivalent lengths and approved venting materials.

### CONNECTIONS

Steam Supply	2" NPT
Condensate Return	1-1/4" NPT
Oil Line	3/8" O.D. Copper Tubing for runs 50' or less 1/2" O.D. Copper Tubing for runs over 50'

### ELECTRICAL

120 V ac, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended)
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### STANDARD EQUIPMENT

Crated boiler, flush jacket, target wall/liner, safety valve, steam water level gauge, steam pressure gauge, steam pressure control, low water cut-off, drain valve, wiring harness, burner electric disconnect, skim port.  
Factory packaged with the top flue outlet, field convertible to rear flue outlet.

### OPTIONS

Tankless Coil Kits  
Beckett AFG Burner in a Box Kit  
Beckett Burner Rerate Kits

### DIMENSIONS

MODEL	- A - Width	- B - Height	- C - Depth	Weight Lbs.
SBO-3085	22 1/8"	35"	15 3/4"	570
SBO-3105	22 1/8"	35"	15 3/4"	570
SBO-4125	22 1/8"	35"	19 3/4"	685
SBO-4150	22 1/8"	35"	19 3/4"	685

