

# Oil Horizontal Furnace

**2 Models**  
**Heating Capacities: 184,000 and 280,000 BTUH**

Bard's Oil Furnaces are the latest innovations in home heating technology. Quiet, smooth operation and minimal maintenance requirements result from years of experience in the oil furnace industry.

The long list of standard features includes a Beckett Flame Retention Oil Burner, Soft Combustion Chamber, 18 Gauge Steel Heat Exchanger, and Rugged Steel Cabinets. Bard offers a wide variety of heat-cool models to meet many different installations. When installation is limited, the horizontal model is the perfect solution. Designed for suspended or crawl space applications.



## Engineered Features



**Beckett Flame Retention Oil Burner**

Provides the industry's leading burner along with long-term fuel efficiency you can depend on.  
**Limited three year warranty.**

**Controls**

Constant duty Honeywell primary control and standard 10,000 volt ignition transformer.

**Heat Exchanger**

Heat Exchanger constructed from 18-gauge steel. The rounded surface of primary and secondary sections enhance the air handling characteristics of these furnaces.  
**10 year limited warranty.**

**Barometric Draft Regulator**

A barometric draft regulator is standard on all models.

**40VA Transformer**

Combines with heat/cool blower relay to accommodate the addition of an optional air conditioning unit.

**High Capacity Blowers**

Provides quiet operation and easy addition of air conditioning.

**Filter and Filter Rack**

An external filter and filter rack are standard equipment.

**Multi-Position**

Right hand discharge is standard. Field convertible to left hand discharge.

## Furnace Specifications

Model Number	Burner Model ①	Nozzle Size ②	Pump Pressure	Input BTUH	Heating Capacity BTUH	Thermal Efficiency	Temperature Rise Range	Approximate Shipping Weight
SOF175D60A	BB175	1.35	140	230,000	184,000	82.0	70-100	470
SOF265B90A	BB265	2.00	140	350,000	280,000	82.0	70-100	670

① When placing order specify furnace model number & burner model number. Burner carton containing burner, controls & wiring is shipped separately - carton weighs 40 lbs.  
 ② Nozzles are 70° hollow.

## Electrical Ratings

Model Number	Volts	HZ	Phase	Total Unit Amps	Blower Motor HP	Blower Motor FLA	Burner Motor HP	Burner Motor FLA	Minimum Circuit Ampacity	Max. Time Delay Fuse or HACR Circuit Breaker
SOF175D60A	115	60	1	19.3	1	12.3	1/7	2.5	22	20
SOF265B90A	115	60	1	23.4	1 1/2	16.4	1/7	2.5	26	30

## Airflow Capacities

Model Number	HP & Drive	No. Speeds	Blower Speed Dia. x Width	Motor Speed	AIRFLOW* vs STATIC PRESSURE (CFM) (inches WC)				Nom. Tons. Cooling**
					.20	.30	.40	.50	
SOF175D60A	1 DD	3	12 x 12	Low	2651	2325	2124	2005	5
				Med	2826	2534	2372	2240	5.5
				High	3225	2933	2830	2489	6
SOF265B90A	1½ BD	1	12 x 12	1725 Nominal	3903	3650	3401	3109	7.5

\*CFM data without filters in place

\*\* 400 CFM per ton cooling

## SOF Oil Furnace Cabinet Dimensions

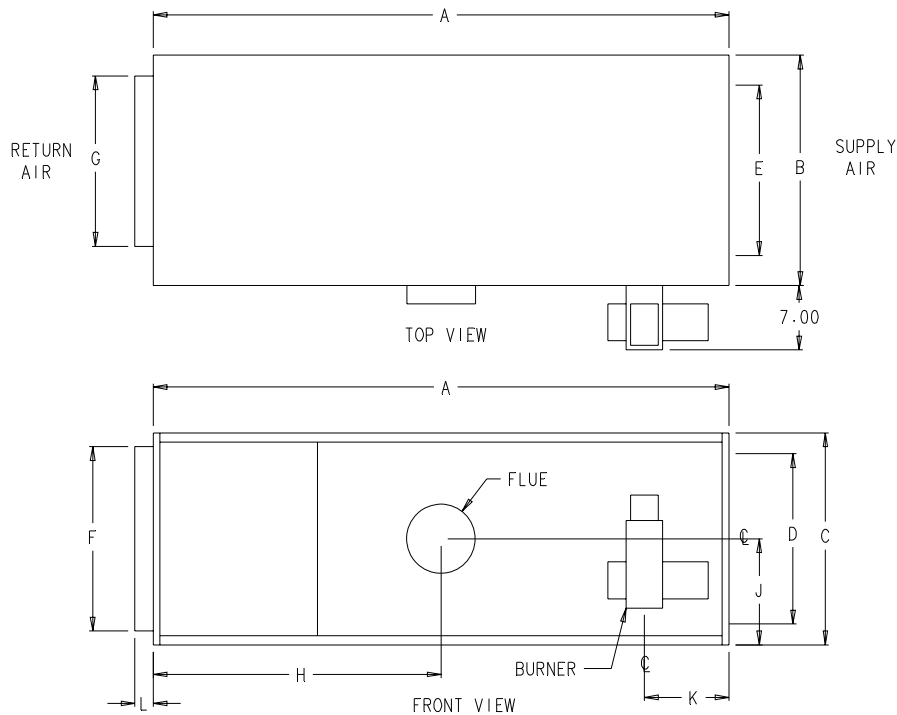
Bard Model	FLUE Dia. & Location			Supply Opening D x E	Return Opening F x G	H	J	K	Flange L	
	A	B	C							
SOF175	8 Front	74	30	30	26 x 26	32 x 25	38	15	12.25	2
SOF265	9 Front	76	36	36	32 x 32	32 x 32	30.5	18	11.75	2

## Minimum Clearance to Combustibles

For installation in an alcove with the following minimum clearance to combustibles:

- Top: 2 inches
- Front: 24 inches
- Rear: 6 inches
- Sides: 6 inches
- Flue: 18 inches

Floor Non-Combustible



Bard Manufacturing Company, Inc.  
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Since 1914... Moving ahead, just as planned

Due to our continuous product improvement policy,  
all specifications subject to change without notice.

Before purchasing this appliance, read important energy  
cost and efficiency information available from your retailer.

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