

# Cast Iron Oil-Fired Boiler

*Quality Engineered for Efficiency and Dependability*

*OBC Series*



# Olsen

**Heating & Cooling Products**

A Division of ECR International Ltd.

An ISO 9001 Certified Company

# Warm-Up to the Economy and Efficiency of the OBC Series Boiler

The OBC Series boiler offers high efficiency ratings with cast-iron construction at a modest price for cost conscious homeowners. With efficiencies up to 86%, the OBC is an ideal replacement or upgrade for homeowners interested in comfort, economy and years of worry-free performance.

## Quality, Cast-Iron Construction

The OBC utilizes cast iron construction because of its durability and efficient heat transfer capabilities. Cast iron sections and push nipples are an integral part of each OBC heat exchanger. Using only the highest quality cast iron and heat transfer designs ensure that the OBC will provide many years of efficient and trouble-free operation.

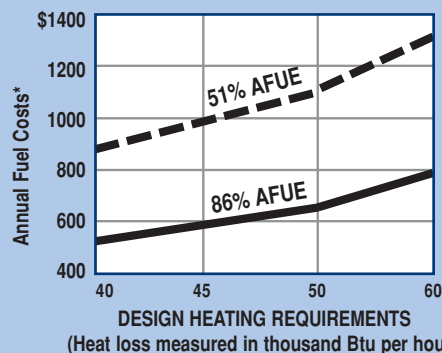
## Tankless Heater Option

The OBC may be ordered with a tankless heater coil to provide domestic hot water. Used with a flow control valve and tempering valve, it provides most households with sufficient domestic hot water without purchasing another appliance.



## High Energy Efficiency and Lower Heating Costs

With efficiency ratings as high as 86%, the OBC provides increased energy savings resulting in lower fuel bills. With the potential cost savings this represents, the OBC boiler will pay for itself in a few short years.



\*Based on U.S. Dept. of Energy test procedures. Figures are based on U.S. \$1.00 per gallon of #2 fuel oil.

Note the difference in annual fuel costs between boilers with higher and lower efficiencies. Boilers installed years ago have seasonal efficiencies as low as 50%. With the cost-savings made possible by higher efficiencies, your new OBC boiler can repay its installed cost in just a few short years.







## OBC Boiler Details.

- 1 Top Flue outlet and cleaning access
- 2 Honeywell Aquastat Control
- 3 Corrosion Resistant, Fully Insulated Jacket
- 4 Flame Inspection Port
- 5 Circulation Pump
- 6 Beckett Oil Burner

## Manufacturers Limited Lifetime Warranty

Olsen backs its residential, cast-iron heat exchangers with a Limited Lifetime Warranty. This Warranty is meant to protect your investment, but is also offered to illustrate our commitment to customer satisfaction.

## Key OBC Boiler Features

- Cast-iron sections and push nipples
- Efficiency rating up to 86% AFUE
- Tankless Heater Option
- 105,000-196,000 BTU/h input (0.75-1.40 gallons/hr)
- Natural draft conventional chimney vented



# OBC Series

## Ratings and Data

(1) BOILER MODEL NO.	(2) I=B=R OIL BURNER INPUT		D.O.E. HEATING CAPACITY MBH	(3) I=B=R NET RATINGS WATER MBH	MINIMUM NATURAL DRAFT CHIMNEY SIZE		PUMP PRESSURE PSI	NOZZLE FURNISHED 140 PSIG	A.F.U.E. RATING
	G.P.H.	MBH			ROUND	SQUARE			
OBC3D	.77	107	93	75	6	8X8X15	140	.65X80B	86.0
OBC3	1.00	140	118	103	6	8X8X15	140	.85X80B	80.0
OBC4D	1.00	140	120	104	6	8X8X15	140	.85X80B	86.0
OBC4	1.40	196	165	143	6	8X8X15	140	1.25X80B	81.0

## Tankless Water Heater Capacities

BOILER NO.	FIRING RATE G.P.H.	TANKLESS HEATER NO.	TANKLESS HEATER CAPACITY INTERMITTENT DRAW G.P.M.	BOILER WATER CONTENT GALS.	COIL TAPPING SIZES
OBC3D	0.65	L-24	Available on request	6.7	1/2"
OBC3	1.0	L-24	3.25	6.7	1/2"
OBC4D	1.0	L-24	3.25	8.2	1/2"
OBC4	1.4	L-24	4.00	8.2	1/2"

## Dimensions

BOILER NO.	A B LENGTH OF FLUSH JACKET	C FRONT OF CASTING TO CENTER LINE OF FLUE OUTLET	D DIA. OF FLUE OUTLET	TANKLESS COIL TO BACK OF JACKET
OBC3	19"	9 3/4"	6"	8 7/8"
OBC4	23"	11 3/4"	6"	12 3/4"

(Specifications and dimensions are subject to change without notice)

**STANDARD EQUIPMENT:** Crated Boiler, Flush Jacket, Oil Burner, Circulator — 1-1/4", ASME Relief Valve, Theraltimeter Gauge, Drain Cock, Wiring Harness, Plastic Cover, Supply Tapping — 1-1/4", Return Tapping — 1-1/4", High Limit and Circulator Control, Primary Control. For Tankless Heater Units — add Tankless Hot Water Coil, and Triple Aquastat Relay.

## Explanation Notes

1. Add suffix "T" to denote boiler with tankless heater.
2. I=B=R burner capacity is based on an oil heating value of 140,000 Btu/gal. and with 13% CO<sub>2</sub>.
3. Net ratings based on 170°F temperature in radiators and include 15% allowance for normal piping and pick-up load. Consult manufacturer for unusual piping and pick-up requirements.
4. Nozzle listed is for use with Beckett burner. When alternate burner is used, consult burner manufacturer's recommendations.

MEA# 47-76E

## Your Assurance Of Quality

Olsen products are designed, tested, and assembled to ensure that you receive the very best in home heating and cooling comfort, and value. Each product meets or exceeds all recognized safety, performance efficiency standards.



Tested for 100 lbs.  
ASME Working  
Pressure

**For more information on Olsen heating and cooling products and systems, contact your local Olsen distributor. Or call the Olsen Customer Service Department at 1-888-259-7253.**

# Olsen

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