

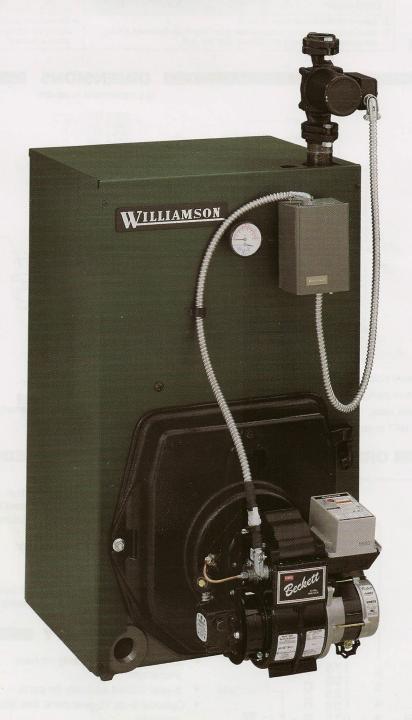
## OVB

- ☐ Factory tested
- ☐ Easy service
  - Swing-away burner door
  - Low draft loss
  - Top access cleanout cover
  - Plug-in wiring harness
- ☐ High efficiency oil burner
  - Flame retention head design
  - Solenoid valve
  - PSC motor
  - Solid state ignitor
- ☐ Rear flue outlet
- Cast iron sections with built-in air separator
- Insulated heavy-gauge steel jacket
- ☐ Limited lifetime warranty

# Williamson

### **Oil-fired Water Boilers**

- ☐ Factory-packaged
- ☐ 0.75 to 2.00 GPH Input



DOE









model number	burner capacity  GPH ①	heating capacity	ratings  MBH ③	seasonal efficiency % AFUE	connection size (Round)	chimney size (x 15' high)		water content	through boiler	flange size (Recommended supply & return
						Rectangular	Round	Gallons	Inches W.C.	pipe size, NPT)
OWB-3-075	0.75	90	78	84.3	7"	8" x 8"	6"	11.0	.000	11/4"
OWB-3-100	1.00	116	101	82.2	7"	8" x 8"	6"	11.0	.000	
OWB-4-110	1.10	129	112	82.5	7"	8" x 8"	6"	13.4	.010	
OWB-4-125	1.25	145	126	81.7	7"	8" x 8"	6"	13.4	.010	
OWB-5-135	1.35	159	138	82.8	7"	8" x 8"	7"	15.9	.010	1½"
OWB-5-150	1.50	174	151	81.3	7"	8" x 8"	7"	15.9	.010	
OWB-5-165	1.65	191	166	81.2	7"	8" x 8"	7"	15.9	.010	
OWB-6-175	1.75	203	177	80.8	7"	8" x 8"	7"	18.4	.000	
OWB-6-200	2.00	231	201	80.7	7"	8" x 8"	7"	18.4	.005	
Deced on 140 000 Dtub per gellen, #0 fuel eil					2 Note 1 D D and the second of					

Flue

- ① Based on 140,000 Btuh per gallon, #2 fuel oil.
- ② Based on standard test procedures prescribed by the United States Department of Energy, with combustion conditions of 13% CO2 and -0.02" W.C. draft.

DOE

Net I=B=R

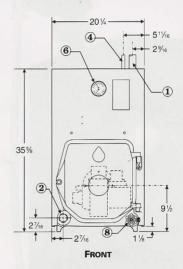
3 Net I=B=R ratings are based on net installed radiation of sufficient quantity for the requirements of the Net (EDE) harming and based on the installed valuation of suntrient quantity of the lequilements of the building and nothing need be added for normal piping and pickup. Ratings are based on a piping and pickup allowance of 1.15. Additional allowance should be made for unusual piping and pickup loads.

Minimum I=B=R Boiler Draft loss Circulator

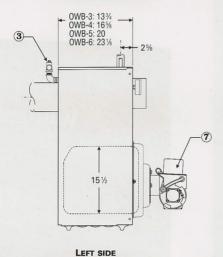
### DOE

### **DIMENSIONS**

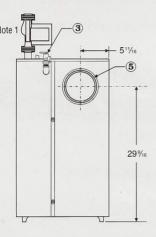
**ALL DIMENSIONS IN INCHES** 



- ① Supply piping (Note 1)
- ② Return piping (Note 1)
- 3 Relief valve, ¾" NPT
- 4 1/2" NPT to expansion tank/air vent



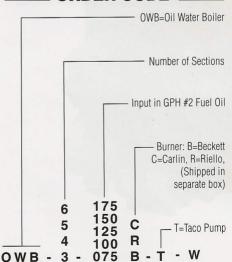
- 5 Vent connection 7" diameter
- 6 Pressure/temperature gauge
- 7 Oil burner (shipped in separate carton)
- 8 Drain valve



REAR

- Note 1: Boiler supply and return tappings are 1½" NPT. Circulator flanges shipped with boiler are sized to recommended pipe size listed in RATINGS table, above.
  - Boiler circulator is shipped loose. Circulator may be mounted on either boiler supply or return piping.

### ORDER CODE



#### Factory tested

- Factory-assembled cast iron section assembly, including aluminized steel flue collector, swing-away burner mounting door, with refractory blanket and recessed target wall in combustion chamber
- Taco 007 circulator
- High efficiency flame-retention oil burner (Beckett AFG, or Carlin EZ, or Riello)

### WARRANTY

- Limited lifetime warranty on heat exchanger
- 3-year limited warranty on parts
- Optional 5- or 10-year parts and labor warranty

### **EQUIPMENT**

- High limit control with circulator relay
- Built-in air separator
- Combination pressure/temperature gauge
- 30 PSIG ASME relief valve
- Drain valve
- Barometric damper

#### OPTIONAL

Two-stage oil burner fuel unit



8201 W. Calumet Road • Milwaukee, WI 53223

www.williamson-thermoflo.com Form W-005 (03/04)