



Residential Energy Saver CombiCor® Oil-Powered Water Heater System

Features:



Bradford White is ISO registered to the 9001 standard.

- **1" Non-CFC foam insulation**—covers the sides and top of tank to save energy by retarding loss of heat. Also increases jacket rigidity.
- **Factory installed nipples**—for longer water heater life. Easier installation.
- **Anti-scald device**—supplied with unit to help prevent injury due to scalding.
- **Stainless steel baffle**—resists corrosion.
- **Vitraglas® lining**—Bradford White water heater tanks are protected from the corrosive effects of hot water by an exclusive ceramic porcelain-like coating. The Bradford White high silica Vitraglas® lining provides a tough interior surface for our hot water tanks.
- **Protective magnesium anode rod**—hex-head type provides added protection against corrosion for long trouble-free service.
- **Beckett AF Burner**—Shipped with heater in separate box. (Must specify single stage or two stage pump when ordering).
- **High recovery rates**—oil heats water 3 to 4 times faster than other methods. These models are designed to assure a constant supply of hot water provided the draw-off rate is within the recovery capacity of the unit. For example, the recovery capacity of a heater with a 50-gallon (184 liter) storage tank, fired at the rate of .75 gph (2.838 liter), is 107 gallons (405 liters) of water per hour at 90°F (50°C) temperature rise. From a cold start, a full tank of 50 gallons (184 liter) is hot in approximately 28 minutes.
- **Factory installed Hydrojet® Total Performance System**—cold inlet sediment reducing device. Helps prevent sediment build up in tank. Increases first hour delivery of hot water while minimizing temperature build up at top of tank.
- **Two tank sizes**—choice of 50 and 70 gallon (184 and 259 liters) tank capacities provide for a wide range of applications. Glass-lined tank has magnesium anode which neutralizes corrosive effects of water chemicals, prevents rust formation and assures longer tank life.
- **Heat exchanger – UltraCoil® Heat Transfer System**—dielectrically isolated, double wall type consisting of a highly conductive material with an NSF approved Polyethylene (PEX) coating. Also, incorporates two monofilament channels between the walls for leak detection purposes. Leak detection hole is located at top of unit on both heat exchanger connections.
- **Brass drain valve.**
- **T&P relief valve**—installed.
- **Installation**—occupies relatively little floor space.
- **Two year limited parts warranty.**
- **Six year limited warranty on steel tank and heat exchanger**—heavy gauge steel automatically formed, rolled and welded to assure a continuous seam for glass lining.

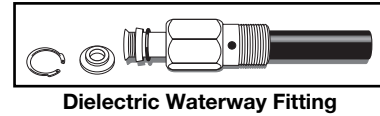
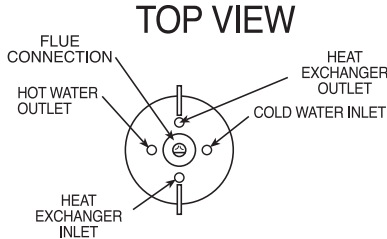
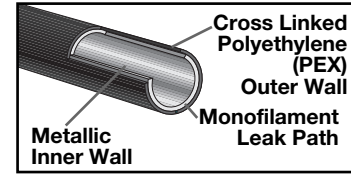
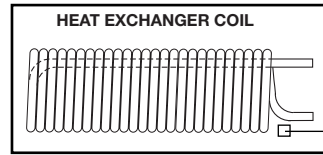
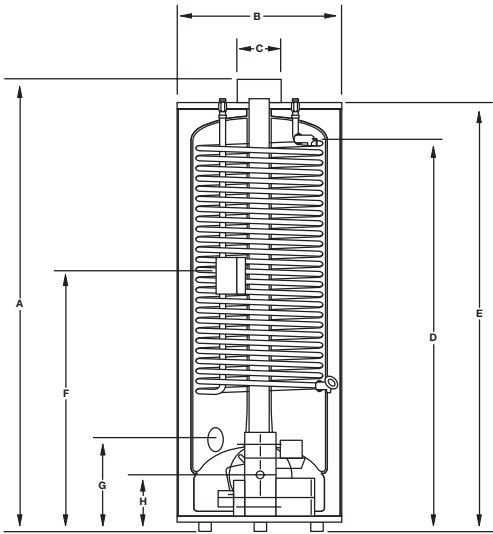
MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS:
5,954,492; 5,761,379; 5,943,984; 5,081,696; 5,988,117; 6,142,216; 5,199,385;
6,684,821; 5,574,822; 5,372,185; 5,485,879; 5,277,171; (B1)5,341,770; 5,660,165;
5,596,952; 5,682,666; 4,904,428; 5,023,031; 5,000,893; 4,669,448; 4,829,983;
4,808,356; 5,115,767; 5,092,519; 5,052,346; 4,416,222; 4,628,184; 4,861,968;
4,672,919; Re. 34,534. OTHER U.S. AND FOREIGN PATENT APPLICATIONS
PENDING. CURRENT CANADIAN PATENTS: 1,272,914; 1,280,043; 1,289,832;
2,045,862; 2,112,515; 2,108,186; 2,107,012.



Residential Energy Saver CombiCor® Oil-Powered Water Heater System

Energy Saver Oil-Powered Models

These water heaters meet or exceed the performance standards established under ASHRAE Standard 90.1b (current edition).



CombiCor® Energy Saver Oil-Powered Models

1" Non-CFC Foam Insulation

| Model Number | Imp. Gal. Cap. | U.S. Gal. Cap. | Liters Cap. | Rec. Firing Rate | | Input at Rec. Firing Rate | | A Ht. Overall to Flue Outlet | B Jacket Diam. | C Diam. of Flue Conn. | D Floor to T&P Valve | E Floor to Top of Unit | F Floor to T/Stat. | G Floor to C/L Combustion Chamber Sight Hole | H Floor to C/L Burner Opening | Approx. Shipping Weight |
|--------------|----------------|----------------|-------------|------------------|---------|---------------------------|------|------------------------------|----------------|-----------------------|----------------------|------------------------|--------------------|--|-------------------------------|-------------------------|
| | | | | GPH | Ltr/Hr. | BTU | KW | in. mm | in. mm | in. mm | in. mm | in. mm | in. mm | in. mm | in. mm | lbs. kg.† |
| M1-C-50L60F | 40 | 48.5 | 184 | .75 | 2.839 | 104,000 | 30.5 | 61 1549 | 22 559 | 6 152 | 59 1511 | 58 1492 | 35 895 | 13 343 | 7 194 | 209 95 |
| M1-C-70L60F | 57 | 68.5 | 259 | 1.0 | 3.785 | 138,500 | 40.6 | 66 1695 | 24 610 | 6 152 | 64 1645 | 64 1626 | 33 850 | 13 343 | 7 194 | 299 137 |

†Shipping weights do not include burner and controls.

General

All Oil-Powered water heaters are certified at 300 PSI (2068 kPa) test pressure and 150 PSI (1034 kPa) working pressure. All potable water and heat exchanger connections are 3/4" (19mm) NPT on 11" (279mm) centers. All models meet or exceed the performance standard established under ASHRAE Standard 90.1b (current edition). Recovery based on 76% efficiency and 90°F. (50°C) rise.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

| | M1-C-50L60F | | | M1-C-70L60F | | |
|-----------------------------------|----------------------|----------|--------------|----------------------|----------|--------------|
| Input | 104,000 BTU/H 30.5KW | | | 138,500 BTU/H 40.6KW | | |
| Water Heating | | | | | | |
| CA _{EF} | .50 | | | DNA | | |
| Thermal Efficiency | 76 | | | 76 | | |
| First Hour Rating | 108 Imp.GPH | 130 Gal. | 492 Liters/H | 145 Imp.Gal. | 174 Gal. | 659 Liters/H |
| Rec. Rate 90°F Rise and 50°C Rise | 89 Imp.GPH | 107 GPH | 405 Liters/H | 118 Imp.Gal. | 142 GPH | 537 Liters/H |
| Space Heating | | | | | | |
| CA _{AFUE} % | 78 | | | 78 | | |
| Max. Heating Capacity* | 63,000 BTU/H 18.4KW | | | 65,000 BTU/H 19.0KW | | |

* Based on ANSI Z21.10.1 and 10.3 and DOE Test Methods.

† Based on ANSI/ASHRAE 124 Current Standard.

Actual values may vary based on circulator flow rate, number of zones, water and space heating demands. Numbers subject to change.

2-Year Limited Warranty on Component Parts

BRADFORD WHITE CORPORATION has a 2-year warranty on replaceable parts—controls, burner, dip tube, drain valve and T&P valve. These quality components are manufactured for us by industry leaders and will be replaced in the event of failure during the parts warranty period (exclusive of shipping and re-installation cost.)§

§ Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater. Indicated warranties apply to USA, Canada and Puerto Rico installations.

6-Year Limited Tank and Heat Exchanger Warranties

BRADFORD WHITE CORPORATION LIMITED WARRANTY: Protects your investment in a quality glass-lined water heater and double wall heat exchanger. If the tank or heat exchanger leaks for reasons of faulty materials, workmanship, or corrosion within the warranty period, the entire unit will be replaced with a comparable unit of our manufacture (exclusive of shipping and re-installation cost.)§

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For U.S. and Canada field service, contact your professional installer or local Bradford White sales representative.

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Fax/215-641-1670

Technical Support/800-334-3393
Fax/269-795-1089

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Fax/269-795-1089

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PRODUCTS ONLY FOR PROFESSIONALS