

Residential AERO[®] Series Energy Saver Oil-Powered Water Heater



Photo is of
CF-32-6

AERO[®] Series Models Feature:

- **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. Center flue models from 32 to 50 gallons capacity delivery recovery rates as high as 110 gallons per hour. Rear flue models are designed for heavier demand with recovery rates as high as 195 gallons per hour.
- **Installation**—Occupies relatively little floor space and does not require a separate fuel oil storage tank when used in an oil-heated residence.
- **Factory Installed Hydrojet[®] Total Performance System**—Cold water 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 (Center Flue models only).
- **Vitraglas[®] Lining**—Bradford White tanks are lined with a exclusively engineered enamel formula that provides superior protection from the highly corrosive effects of hot water. This formula (Vitraglas[®]) is fused to the steel surface by firing at a temperature of over 1600°F.
- **Controls**—Single immersion aquastat (supplied with burner) for precise, easy water temperature regulation and safety.
- **Carlin Burners**—All burners are 120V, 1-stage with multiple firing rates (see reverse side for part numbers). Beckett and Riello are optional burners, but not available through Bradford White.
- **Carlin Burners are Compatible with Biofuel**—Up to B5 (5% Biofuel) can be used with water heater, provided the Biofuel meets ASTM D6751.
- **1" Non-CFC Foam Insulation**—Covers the sides and top of tank, reducing the amount of heat loss. This results in less energy consumption, improved operation efficiencies and jacket rigidity.
- **Fiberglass Insulation**—High density fiberglass insulation provides a thick blanket around tank and combustion chamber for more heat retention and maximum fuel efficiency (Rear Flue models only).
- **Water Connections**—3/4" NPT factory installed true dielectric fittings extend water heater life and eases installation (RF-50 has 1 1/4" water connections).
- **Two Protective Magnesium Anode Rods**—Provide added protection against corrosion for long trouble-free service (Rear Flue models have one Magnesium Anode Rod).
- **Flexible Stainless Steel Flue Baffle**—Maximizes the amount of heat absorbed by the tank and reduces heat loss during standby periods. Hinged for low ceiling removal and cleaning (Center Flue models only).
- **Steel Tank**—Heavy gauge steel automatically formed, rolled and welded.
- **Ceramic Fiber Combustion Chamber**—Concentrates the flame for a smaller, hotter fire and faster transfer of maximum heat.
- **T&P Relief Valve**—valve is supplied for CF models and installed on RF models.
- **Low Restriction Brass Drain Valve**—Durable tamper proof design.
- **Design Certified by CSA International (formerly AGA and CGA).**

AUDI
ALUM



6-Year Limited Tank Warranties / 2-Year Limited Warranty on Parts and Burner.

For more information on warranty, please visit www.bradfordwhite.com

For products installed in USA, Canada and Puerto Rico. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.

Energy Saver Models

Meet or exceed ASHRAE 90.1b (current standard).
Recovery Efficiency ranging up to 79%

Model Number	Capacity		U.S. GPH Firing Rate	Recovery at 90°F Rise*		A Floor to Flue Conn.	B Jacket Dia.	C Flue Size	D Floor to T&P Conn.	E Floor to Burner Top	F Floor to Cold Water Conn.	G Floor to Hot Water Conn.	H Floor to Heater Top	J Floor to Aquastat	K Depth	Approx. Shipping Weight lbs.	
	U.S. Gal.	Imp. Gal.		U.S. GPH	Imp. GPH	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
CF-32-6	32	27	91/105	.65/75	96/111	80/93	51 ¹ / ₈	20	6	42 ¹⁵ / ₁₆	11 ¹³ / ₁₆	50 ¹ / ₈	50 ¹ / ₈	49 ³ / ₁₆	27 ⁷ / ₁₆	26 ¹ / ₂	215
CF-50-6	50	42	105/119	.75/85	111/126	93/105	60 ³ / ₁₆	22	6	51 ¹⁵ / ₁₆	11 ¹³ / ₁₆	58 ³ / ₄	58 ³ / ₄	57 ¹³ / ₁₆	31 ⁵ / ₈	33	275
RF-30-6	30	25	119	.85	123	103	47 ⁷ / ₈	23 ³ / ₁₆	6	48 ³ / ₈	13 ³ / ₈	18 ¹¹ / ₁₆	48 ³ / ₈	56	24 ³ / ₈	32 ¹³ / ₁₆	250
RF-30SX-6	30	25	119	.85	123	103	42 ³ / ₁₆	24 ³ / ₄	6	41 ³ / ₁₆	13 ³ / ₈	18 ¹¹ / ₁₆	41 ³ / ₁₆	49	24 ³ / ₈	33 ³ / ₈	210
RF-50-6	50	42	175/189	1.25/1.35	182/197	152/165	60 ⁷ / ₈	26 ¹ / ₂	7	60 ³ / ₄	13 ³ / ₁₆	21	60 ³ / ₄	68 ¹⁵ / ₁₆	28 ⁷ / ₈	36 ¹ / ₈	360

Model Number	Capacity		kW Input	Recovery at 50°C Rise*		A Floor to Flue Conn.	B Jacket Dia.	C Flue Size	D Floor to T&P Conn.	E Floor to Burner Top	F Floor to Cold Water Conn.	G Floor to Hot Water Conn.	H Floor to Heater Top	J Floor to Aquastat	K Depth	Approx. Shipping Weight kg.
	Liters			Liters/ Hour	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	
CF-32-6	121		26.7/30.1	363/420	1298	508	152	1090	300	1273	1273	1249	696	749	98	
CF-50-6	189		30.1/35.0	420/477	1528	558	152	1319	300	1492	1492	1452	803	838	125	
RF-30-6	114		35.0	465	1216	639	152	1228	333	474	1228	1422	619	833	113	
RF-30SX-6	114		35.0	465	1071	629	152	1046	365	474	1061	1244	619	848	95	
RF-50-6	189		51.2/55.4	689/745	1546	673	178	1543	335	533	1543	1751	733	918	163	

*Based on manufacturers rated recovery efficiency.

CF = Center Flue.

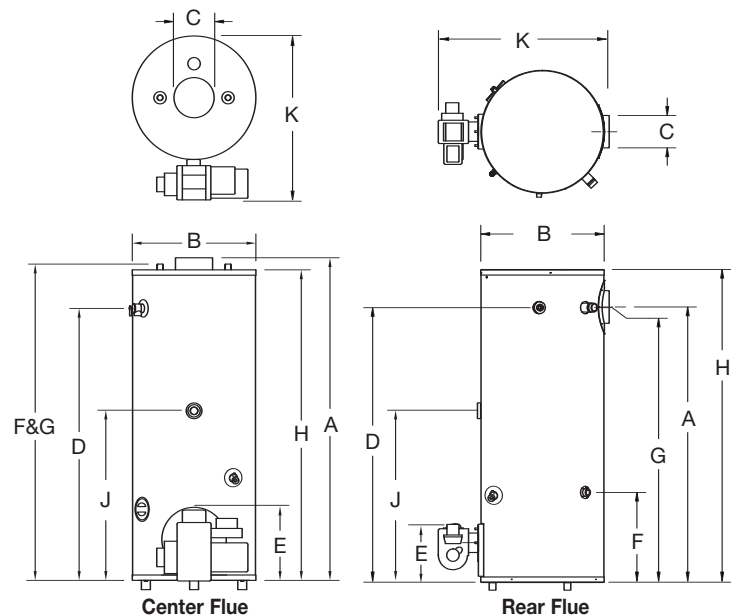
RF = Rear Flue.

†MBTUH = Thousand Btu's/Hr.

Model Number	Part Number	Description*
CF-32	228-49641-01**	Carlin Burner with single Aquastat @ 0.65 GPH
CF-32	228-49641-08	Carlin Burner with single Aquastat @ 0.75 GPH
CF-50	228-49641-12	Carlin Burner with single Aquastat @ 0.75 GPH
CF-50	228-49641-03	Carlin Burner with single Aquastat @ 0.85 GPH
RF-30(SX)	228-49641-03	Carlin Burner with single Aquastat @ 0.85 GPH
RF-50	228-49641-06**	Carlin Burner with single Aquastat @ 1.25 GPH
RF-50	228-49641-17	Carlin Burner with single Aquastat @ 1.35 GPH

*All burners are single stage, 120V.

Standard burner and firing rate for model listed.



General

All Oil-Powered water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa).

Approved for use with No. 2 fuel oil or lighter. Shipping weight for water heater less Oil Burner - deduct 30 lbs. (14 kg.).

All center flue water heaters meet or exceed DOE and CSA B211 energy requirements as certified by ETL. All water heaters must be installed with a temperature and pressure relief valve and on a non-combustible floor. All water heaters are approved for use with "L" vent.

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

Suitable for Water (Potable) Heating and Space Heating.

Toxic chemicals, such as those used for boiler treatment, shall NEVER be introduced into this system. This unit may NEVER be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance.



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

Sales 800-523-2931 • Fax 215-641-1670 / Technical Support 800-334-3393 • Fax 269-795-1089 • Warranty 800-531-2111 • Fax 269-795-1089

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