

Date: 03/20/2017**Bulletin Number: OPB-032017****Product: LRF****From: Marketing****Title: Release of LRF Low Boy Rear Flue Oil Furnace**Multi-pass Heat
Exchanger

ECR International is pleased to introduce the LRF Series Low Boy Rear Flue Oil Furnace. This model is unique to the Lowboy series as it features a multi pass heat exchanger with 16 ga. 409 Stainless Steel primary heat exchanger and 16 ga. Aluminized steel secondary heat exchanger. The heat exchanger is a direct fire design that doesn't require a refractory and also features a low pressure drop.

The LRF is available with either a Beckett AFG, Carlin or Riello burner. There are four firing rates, 0.55, 0.65, 0.75, or 0.85 gph with AFUE efficiencies up to 86.8%. Available in Chimney Vent model only (Direct Vent will be released at a later date).

Other features include:

- All furnaces are shipped at .65 gph firing rate with all alternative nozzles supplied with furnace
- Direct Drive PSC or ECM Variable Speed blower motor option, or Belt Drive blower
- Select models are ENERGY STAR®
- Electronic fan timer
- Front access to heat exchanger. Easy to clean
- A/C Ready to 4-tons

Please see the attached sell sheet for more details and features. Below are the SKU's and trade pricing. If you have any questions, please contact your Olsen Furnace Representative or ECR Regional Sales Manager.

Thank you,



Don DeCarr
Hydronic Product Manager

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LRF/LRFV LOWBOY - CHIMNEY VENT - REAR FLUE								
MODEL	SKU	TRADE PRICE	FIR. RATE GPH	INPUT/ OUTPUT MBH	AFUE	BURNER	BLOWER	AC RANGE IN TONS (CFM RANGE) @ 0.5" ESP
LRF80	LRF080010413006	\$2,637	0.65	91/78	85.9%	BECKETT AFG	1/2 HP BELT	N/A
LRF80	LRF080210411006	\$2,531					1/2 HP PSC DIRECT	Up to 3 Tons (766-1249)
LRFV80*	LRF080210412006	\$3,351					1/2 HP ECM DIRECT	Up to 4 Tons (680-1600)
LRF80RF	LRF080040413006	\$2,922		91/77	86.4%	RIELLO 40F3	1/2 HP BELT	N/A
LRF80RF	LRF080240411006	\$2,816					1/2 HP PSC DIRECT	Up to 3 Tons (766-1249)
LRFV80RF*	LRF080240412006	\$3,636					1/2 HP ECM DIRECT	Up to 4 Tons (680-1600)
LRF80C	LRF080080413006	\$2,637		91/78	85.9%	CARLIN EZ-LF	1/2 HP BELT	N/A
LRF80C	LRF080280411006	\$2,531					1/2 HP PSC DIRECT	Up to 3 Tons (766-1249)
LRFV80C*	LRF080280412006	\$3,351					1/2 HP ECM DIRECT	Up to 4 Tons (680-1600)



*Indicates an ENERGY STAR rated model.

Four Firing Rates: .55, .75 and .85 gph - Alternative nozzles furnished with furnace.

LRF/LRFV LOWBOY - CHIMNEY VENT - LESS BURNER								
MODEL	SKU	TRADE PRICE	FIR. RATE GPH	INPUT/ OUTPUT MBH	AFUE	BURNER	BLOWER	AC RANGE IN TONS (CFM RANGE) @ 0.5" ESP
LRF80LB**	LRF080060413006	\$2,033	Dependent on Burner Application				1/2 HP BELT	N/A
LRF80LB**	LRF080260411006	\$1,927					1/2 HP PSC DIRECT	Up to 3 Tons (766-1249)
LRFV80LB**	LRF080260412006	\$2,747					1/2 HP ECM DIRECT	Up to 4 Tons (680-1600)

**Model number is less burner. Burner must be purchased separately.

USE FURNACE MULTIPLIER FOR ALL OF THE FOLLOWING	PN	TRADE
Blocked Vent Safety Switch (Optional for US)	30690	\$83
Burner In A Box - Beckett AFG - Chimney Vent	550003220	\$604
Burner in A Box - Riello 40F3 - Chimney Vent	550003221	\$889
Burner in A Box - Carlin EZ-LF - Chimney Vent	550003222	\$604

LRF/LRFV STANDARD EQUIPMENT	
STANDARD EQUIPMENT:	
Three-Pass Chamberless Heat Exchanger - 409 stainless steel first pass drum and aluminized steel tube second and third passes. Stainless steel turbulators in each second pass tube maximizes efficiency. Combination offers low pressure drop and large heat transfer surface ensuring high efficiency. 100% pressure tested.	
Fan Limit - A snap disc limit is smartly located to eliminate potential overheating and premature heat exchanger fatigue.	
Electronic Fan Timer Control - Located in vestibule for easy access for wiring, adjustment, and service. Wiring is color coded, equipped with connections for easy air conditioning, humidifier and air cleaner installation. A terminal strip is also supplied for thermostat connections.	
Beckett AFG Oil Burner - Includes factory supplied solenoid valve on pump for cleaner and quieter operation with reduced maintenance. Loosen the mounting bolts from the keyhole flange to easily remove/mount the burner. Four Firing rates to serve a wide range of applications. Alternative nozzles furnished with furnace. Optional Riello and Carlin oil burners also available.	
Blower Assembly - Direct Drive PSC 4 speed or Direct Drive ECM constant CFM variable speed or belt drive single speed.	
Sight Glass and Sample Port - Large sight glass for observing flame and separate sample port for measuring draft overfire.	
Washable Filter System - Features filter rack and a washable filter.	