

Oneida Royal

Quality Furnaces Since 1822

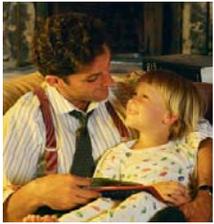
LOB Series • LOW BOY OIL-FIRED FURNACE, FRONT-TOP/REAR FLUE





LOW BOY OIL-FIRED FURNACE, FRONT-TOP/REAR FLUE (LOB)

Engineered for Home Heating Comfort and Efficiency



The LOB by Oneida Royal is a top performer in home heating with innovative design features that will deliver years of dependable heat to your home. Each LOB furnace features a design that uses only the **best components** available making it one of the most reliable and fuel efficient furnaces in the industry. Its **low profile design** is ideal for most any homes' installation requirements.

Built to Last

Since 1822 Oneida Royal has been a recognized leader for heating technology, quality and performance. Built with a heavy duty single pass heat exchanger the LOB is designed for maximum efficiency and service life. A strong

20 gauge galvanized steel base panel protects the base pan from corrosion.

The LOB control center is equipped to handle all of the accessories you want for your home such as air conditioning, air cleaner and humidifier. A filter rack is built-in to the LOB and comes with a re-useable, washable filter that ensures clean air is delivered to your home.

The LOB also features a **lifetime heat exchanger warranty, five year parts and five year heat exchanger replacement labor allowance for your dealer.***



Efficiency

With efficiencies up to 84% AFUE, the LOB will help homeowners increase energy savings and lower fuel oil bills.

Leading Technology

The LOB is built with an innovative design which includes a full circular, single pass heat exchanger to maximize efficiency. The burner features a new interrupted duty ignition, a solid state microprocessor control center and a PSC motor that is more powerful while using significantly less electricity. In addition, a solenoid oil valve provides for cleaner burning and a quick, efficient shutdown.

Quiet Operation

A completely insulated jacket, vestibule burner compartment, multi-speed direct drive (or belt drive) blower and solenoid oil valve contribute to a whisper quiet operation.

*See contractor warranty card for details.

Designed for Performance. Built to Last.

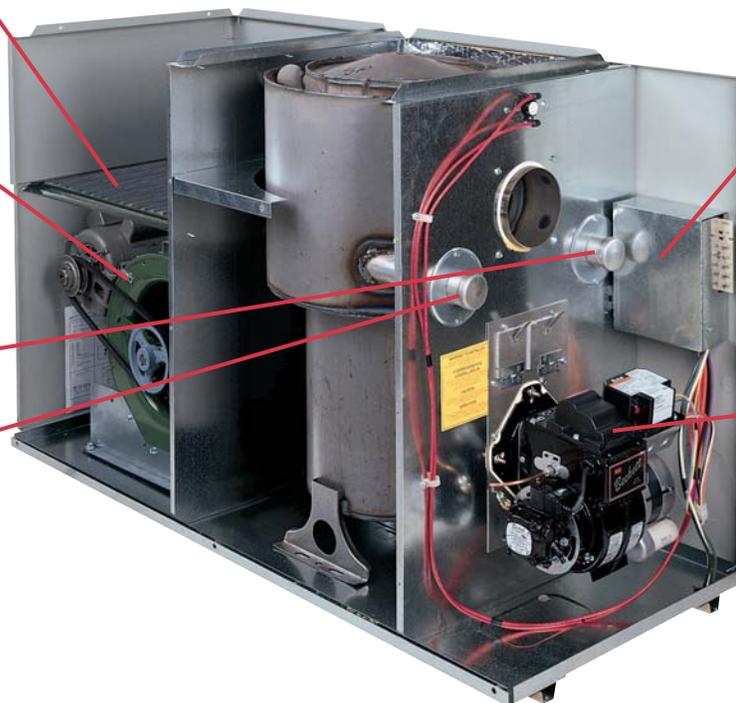
LOB SERIES KEY FEATURES

Filter -
Built-in rack and reusable filter for years of use.

Belt Drive Blower -
(Optional) The belt drive model offers cast iron pulleys for whisper quiet operation. Designed for years of trouble free service.

Dual Clean Out Ports -
Clean out ports are easily accessible through the vestibule and eliminate any possibility for soot entering the air side of the system.

Multi-Speed Blower -
The direct drive models offer 4 speeds and are designed to handle the airflow of today's heating and cooling requirements. With the optional continuous operation setting and electronic air cleaner these models offer the comfort that homeowners expect.



Fan Control Center -
The same control is used for direct and belt drive models and is located in the vestibule for easy access and service. Wiring is color-coded, equipped with Molex connectors and comes ready for air conditioning, humidifier or air cleaner connection.

Oil Burner -
The retention head burner operates cleanly and quietly with factory supplied solenoid valve on the pump, 14,000 volt ignition, interrupted primary control and ball bearing PSC motors for years of reliable operation. Optional factory installed Riello oil burners are also available.

ADDITIONAL FEATURES

- Knock-out inlets for fresh air
- Brometric Draft Damper included
- Optional left or right wiring access

Heat Exchanger

A full circular design, single pass heat exchanger ensures that flue gases uniformly travel through the unit, resulting in greater heat transfer. Twin access allows for easy and effective inspection and cleaning of the flue gas travel area throughout the radiator.



Standard Equipment:

Fully enclosed, assembled and wired furnace. Beckett 3450 R.P.M. flame retention oil burner with single stage fuel pump, Honeywell constant ignition primary control, cad cell, fan and limit control, Fiberfrax® refractory chamber, or direct drive blower and motor with 40 VA transformer relay, air filters, fiberglass insulated, baked enamel jacket, Lifetime Limited Warranty, 5-Year Commercial Warranty.

Optional Equipment:

Two stage pump. Riello oil burner factory installed. Belt drive blower and motor.

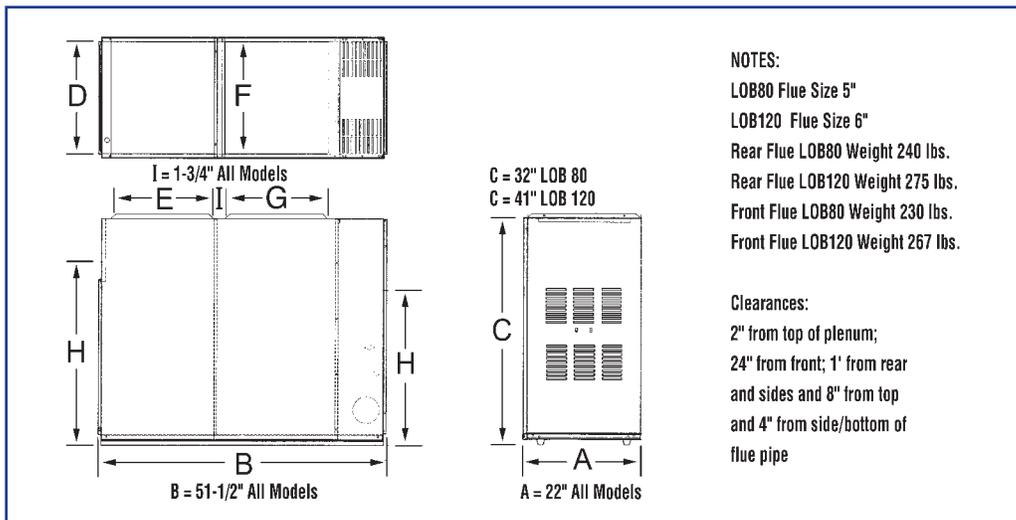
LOB • LowBoy Oil-Fired Rear and Front Flue Furnace Specifications

MODELS	†LOB-60R - 3	†LOB-60F - 3	LOB-80R - 3	LOB-80F - 3	†LOB-90R - 3
AFUE	84.0%	81.5%	81.5%	80.5%	84.0%
MBH INPUT	69.7	69.7	97.8	97.8	105
MBH OUTPUT	60.3	57.8	82	81	90.3
COOLING CAPACITY	36,000	36,000	36,000	36,000	36,000
C.F.M. HEATING @ .20ESP (BELT)	1220	1220	1220	1220	1525
C.F.M. HEATING @ .20ESP (DIRECT)	1065	1065	1065	1065	1490
C.F.M. COOLING @ .50ESP (BELT)	1220	1220	1220	1220	1320
C.F.M. COOLING @ .50ESP (DIRECT)	1120	1120	1120	1120	1316
BLOWER DRIVE	BELT/DIRECT	BELT/DIRECT	BELT/DIRECT	BELT/DIRECT	BELT/DIRECT
MOTOR HP	1/2	1/2	1/2	1/2	1/2
BURNER OPTION	BECKETT/RIELLO	BECKETT/RIELLO	BECKETT/RIELLO	BECKETT/RIELLO	BECKETT/RIELLO
NOZZLE	.50 X 70W/.40 X 60W	.50 X 70W/.40 X 60W	.70 X 70W/.60 X 60 W	.70 X 70W/.60 X 60 W	.75 X 70W/.60 X 60W
PUMP PRESSURE	100 PSI/160 PSI	100 PSI/160 PSI	100 PSI/145 PSI	100 PSI/145 PSI	100 PSI/150 PSI
WARM AIR PLENUM" (F X G)	20.5 X 18.75	20.5 X 18.75	20.5 X 18.75	20.5 X 18.75	20.5 X 18.5
RETURN AIR PLENUM" (D X E)	20.5 X 18.75	20.5 X 18.75	20.5 X 18.75	20.5 X 18.75	20.5 X 18.5
REAR FLUE CTR. LINE FLUE TO FLOOR" (H)	26.25	N/A	26.25	N/A	34.5
FRONT FLUE CTR. LINE FLUE TO FLOOR" (H)	N/A	24.75	N/A	24.75	N/A

MODELS	†LOB-90F - 3	LOB-120R - 3	LOB-120F - 3	LOB-120R - 5	LOB-120F - 5
AFUE	82.2%	82.0%	81.0%	81.2%	80.2%
MBH INPUT	105	140 BECKETT / 133 RIELLO			
MBH OUTPUT	88.7	116.1/109.1	115.5/107.7	115.6/108.0	116.2/106.7
COOLING CAPACITY	36,000	60,000	60,000	60,000	60,000
C.F.M. HEATING @ .20ESP (BELT)	1525	1525	1525	N/A	N/A
C.F.M. HEATING @ .20ESP (DIRECT)	1490	1490	1490	1528	1528
C.F.M. COOLING @ .50ESP (BELT)	1320	1320	1320	N/A	N/A
C.F.M. COOLING @ .50ESP (DIRECT)	1316	1316	1316	2090	2090
BLOWER DRIVE	BELT/DIRECT	BELT/DIRECT	BELT/DIRECT	DIRECT	DIRECT
MOTOR HP	1/2	1/2	1/2	3/4	3/4
BURNER OPTION	BECKETT/RIELLO	BECKETT/RIELLO	BECKETT/RIELLO	BECKETT/RIELLO	BECKETT/RIELLO
NOZZLE	.75 X 70W/.60 X 60W	1.00 X 70 W/.75 X 60 W			
PUMP PRESSURE	100 PSI/150 PSI	100 PSI/160 PSI	100 PSI/160 PSI	100 PSI/160 PSI	100 PSI/160 PSI
WARM AIR PLENUM" (F X G)	20.5 X 18.5	20.5 X 18.5	20.5 X 18.5	20.5 X 19	20.5 X 19
RETURN AIR PLENUM" (D X E)	20.5 X 18.5	20.5 X 18.5	20.5 X 18.5	20.5 X 18.5	20.5 X 18.5
REAR FLUE CTR. LINE FLUE TO FLOOR" (H)	N/A	34.5	N/A	34.5	N/A
FRONT FLUE CTR. LINE FLUE TO FLOOR" (H)	29	N/A	29	N/A	29

Notes:

The LOB80 w/Beckett Burner may be de-rated by installing a .50 gal. or .65 gal. 70°W nozzle
 The LOB120 w/Beckett Burner may be de-rated by installing a .75 gal. or .85 gal. 70°W nozzle.
 The LOB80 w/Riello Burner may be de-rated by installing a .40 gal. or .50 gal. 60°W nozzle.
 The LOB120 w/Riello Burner may be de-rated by installing a .60 gal. or .70 gal. 60°W nozzle.
 † These specifications are obtained through use of a field installed kit.



MEA# 531-90-E



Quality Furnaces Since 1822

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An ECR International Brand

An ISO 9001-2000 Certified Company