



Achiever® Series Highboy/Horizontal/Lowboy Low Profile Oil Furnaces



ROCB/ROLB

Efficiencies up to: 86.5%

Motor Type: ECM/Variable Speed

Input Rates: ROCB: 70 to 154 kBTU [20.51 to 45.1 kW]

ROLB: 70 to 105 kBTU [20.51 to 30.7 kW]

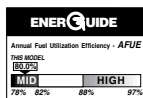


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Features and Benefits

- Available with Front and Rear Flue
- Lowboy, Highboy, Horizontal, Left or Right Discharge
- Low Profile Lowboy 31-5/16"
- Low Profile Highboy 44-1/2" and 50-5/8"
- Efficiencies up to 86.5%
- 3 Firing rates
- Lowboy 2-4 Tons
- Highboy 2-5 Tons A/C
- 2 Large Accessible Clean Out Posts
- 3 Pass Heat Exchanger
- Can be installed with Beckett AFG, Riello F3, F5, BF3, BF5 and Carlin EZ burners
- Quick Disconnects On Burner Harness
- Control Board works with PSC and ECM
- Limited Lifetime Warranty
- This unit can be direct vented with the Riello BF3 or BF5 Burner. Direct vent kits available

Oil Furnaces

<u>R</u>	<u>O</u>	<u>L</u>	<u>B</u>	<u>072</u>	<u>V</u>	<u>04</u>	<u>B</u>	<u>F</u>
Brand	Product Category		Series	Heating Input Designation (Output BTU/HR)	Motor Type	Heating and Cooling Designation	Burner Type	Variations
R - Ruud	O - Oil Furnace	L - Lowboy	B - Design Series	060 - 60,000 [17.6 kW] 072 - 72,000 [21.1 kW] 089 - 89,000 [26.0 kW]	V - ECM Motor	04 - Up to 4 tons cooling CFM for 072 models	B - Beckett C - Carlin R - Riello BF3 - Riello DV	M - Multi Flue

<u>R</u>	<u>O</u>	<u>C</u>	<u>B</u>	<u>072-118</u>	<u>E-V</u>	<u>04-05</u>	<u>B</u>	<u>F</u>
Brand	Product Category		Series	Heating Input Designation (Output BTU/HR)	Motor Type	Heating and Cooling Designation	Burner Type	Variations
R - Ruud	O - Oil Furnace	C - Highboy/Horizontal	B - Design Series	060 - 60,000 [17.6 kW] 072 - 72,000 [21.1 kW] 089 - 89,000 [26.0 kW] 102 - 102,000 [29.8 kW] 118 - 118,000 [34.6 kW] 130 - 130,000 [38.1 kW]	E - ECM Motor V - ECM Motor	04 - Up to 4 tons cooling CFM for 072 models 05 - Up to 5 tons cooling CFM for 118 models	B - Beckett C - Carlin R - Riello BF3 - Riello DV118	M - Multi Flue

[] Designates Metric Conversions

Standard Equipment

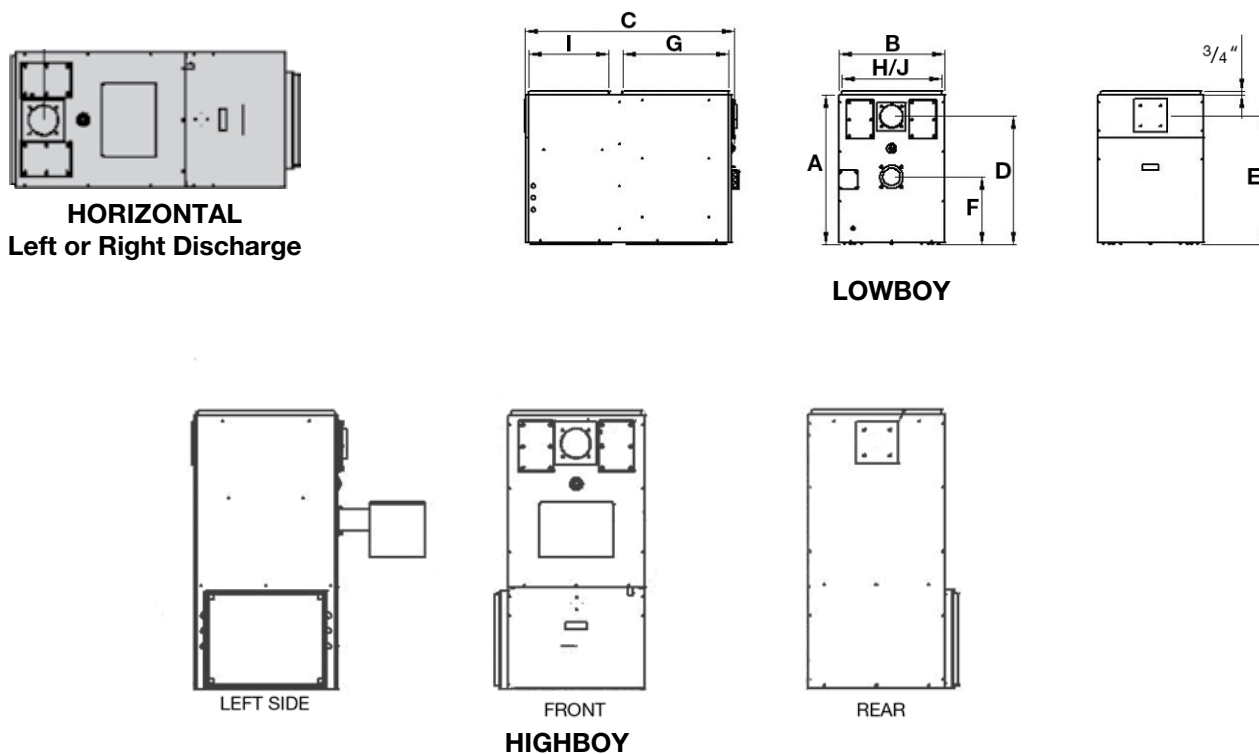
The Ruud *Achiever*® Furnace is fully assembled and offers the option of 4 separate burner in a box combinations. The newly designed heat exchanger is a 3-pass European design for optimal efficiency. The unit is offered with a 3-speed direct drive motor or an ECM motor (ROCB118 has a 4 speed direct drive motor). The Ruud *Achiever*® offers the NRGmax 9103 operating board which is utilized on either the PSC or ECM furnace. For servicing, the Ruud *Achiever*® has 2–6" x 8" clean out ports to access the flue passages in the heat exchanger. The unit is shipped with the RC barometric control and an external filter rack.

WARNING
THIS FURNACE IS NOT APPROVED
OR RECOMMENDED
FOR USE IN MOBILE HOMES

Specifications and Dimensions ECM Motor

MODEL	ROCB-072E04*M	ROLB-072V04		ROCB-118V05M		
DIMENSIONS						
Cabinet Height	44-1/2"	31-5/16"		50-5/8"		
Cabinet Depth	23-3/8"	43-1/8"		28-5/16"		
Cabinet Width	22-5/16"	22-5/16"		22-5/16"		
Centerline Flue to Floor (Front)	40"	26-13/16"		46-7/8"		
Centerline Flue to Floor (Rear)	40"	26-13/16"		45"		
Warm Air Supply Depth	22-3/8"	22-3/8"		21-1/16"		
Warm Air Supply Width	21-1/16"	21-1/16"		27-5/16"		
Return Air Supply Width	15-1/16"	17"		14-1/2"		
Return Air Supply Depth	18-7/8"	21-1/16"		23-5/8"		
SPECIFICATIONS						
Flue Size	5"	5"		5"		
Filter Size	16" x 20"	20" x 20"		16" x 25"		
Blower Size	100-10T	100-10T		100-9R		
Shipping Weight	215	245		255		
B.T.U.H Input	70,000	84,000	105,000	119,000	140,000	154,000
B.T.U.H Output	60,000	72,000	89,000	102,000	118,000	130,000
Firing Rate GPH	0.50	0.60	0.75	0.85	1.00	1.10
AFUE	86.5%	86.2%	85.1%	85.9%	85.6%	84.6%
Blower Motor Drive	ECM/DD	ECM/DD	ECM/DD	ECM/DD	ECM/DD	ECM/DD
Heating Ext Static Pressure	0.2		0.2			
Max. Ext. Static Pressure	.5		.5			
Temperature Rise	60 Degree		60 Degree			
Blower Motor Full Amps	9.2		11.5			
Total Current	12.2		14.5			
Minimum Circuit Ampacity	14.5		17.25			

[] Designates Metric Conversions



Blower Performance Data—Highboy and Lowboy Models

MODEL ROCB-072E04*M	HIGHBOY HORIZONTAL		
Horsepower Speed	¾ HP	¾ HP	¾ HP
Heating CFM	850	1100	1325
Cooling CFM 1-1/2 Tons	600	600	600
Cooling CFM 2 Tons	800	800	800
Cooling CFM 2-1/2 Tons	1000	1000	1000
Cooling CFM 3 Tons	1200	1200	1200
Cooling CFM 4 Tons	1600	1600	1600

MODEL ROCB-118V05*M	HIGHBOY HORIZONTAL		
Horsepower Speed	1 HP	1 HP	1 HP
Heating CFM	1525	1775	1950
Cooling CFM 2-1/2 Tons	1000	1000	1000
Cooling CFM 3 Tons	1200	1200	1200
Cooling CFM 4 Tons	1600	1600	1600
Cooling CFM 5 Tons	2000	2000	2000

MODEL ROLB-072V04M	LOWBOY		
Horsepower Speed	¾ HP	¾ HP	¾ HP
Heating CFM	1000	1175	1325
Cooling CFM 2 Tons	800	800	800
Cooling CFM 2 1/2 Tons	1000	1000	1000
Cooling CFM 3 Tons	1200	1200	1200
Cooling CFM 4 Tons	1600	1600	1600



GENERAL TERMS OF LIMITED WARRANTY*

Ruud will furnish a replacement for any part of this product which fails in normal use and service within the applicable period stated, in accordance with the terms of the limited warranty.

Oil Heat Exchanger Limited Lifetime
Any Other Part..... Five (5) Years

***For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.**

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

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In keeping with its policy of continuous progress and product improvement, Ruud reserves the right to make changes without notice.

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