



# OIL FIRED FURNACES

Refractory chamber  
platform

RLB and RHB Series



High Boy



Low Boy



## HEAT EXCHANGER

- Heaviest in industry
- Easy service and maintenance
- Clean out and observation ports with test port

## BLOWER

- Slide-out blower/motor, easily removed for service

## COMBUSTION CHAMBER

- Preformed slide-out chamber for easy service

## CABINET

- Appliance finish baked powder coat paint
- Heavy gauge "Seal-Tite" construction
- Foil-faced insulation
- Fully-enclosed burner and controls

## BURNER AND CONTROLS

- Factory-wired with simple plug-in connections
- PSC and ECM motors

# OIL FIRED FURNACES

RLB and RHB Series

Refractory chamber platform

## Equipment

- Hot-rolled steel heat exchanger, pressure tested to assure leak-tight construction.
- Electrical box with external low-voltage terminal strip.
- Barometric damper provided.
- High-efficiency flame retention burner (Beckett and Riello).
- Compatible with 1 or 2-stage A/C (Only ECM models).
- Compatible with our SMH wall vent.



## Technical data sheet

| MODELS                      |     | RLB105R   RLB105F      | RLB140R   RLB140F      | RHB105F            | RHB140F            |
|-----------------------------|-----|------------------------|------------------------|--------------------|--------------------|
| INPUT (BTU/h)               |     | 70,000 to 105,000      | 119,000 to 159,600     | 91,000 to 105,000  | 119,000 to 159,600 |
| OUTPUT (BTU/h)              |     | 59,200 to 88,200       | 97,00 to 129,000       | 79,000 to 90,000   | 97,000 to 127,000  |
| EFFICIENCY                  |     | Up to 86.4 %           | Up to 86 %             | Up to 86 %         | Up to 86 %         |
| MAX CFM<br>@ 0.5" w.c       | PSC | 1,325                  | 1,800                  | 1,300              | 1,800              |
|                             | ECM | 1,400                  | 2,000                  | 1,400              | 2,000              |
| MAX COOLING CAPACITY (tons) |     | 4                      | 5                      | 4                  | 5                  |
| BURNER                      |     | Beckett and Riello     | Beckett and Riello     | Beckett and Riello | Beckett and Riello |
| EVACUATION                  |     | Chimney                |                        |                    |                    |
| PROFILE / FLUE              |     | Low Boy / Rear   Front | Low Boy / Rear   Front | High Boy / Front   | High Boy / Front   |
| WIDTH (in)                  |     | 21 ¼   21 ¼            | 25 ¼   25 ¼            | 22 ¼               | 25 ¼               |
| DEPTH (in)                  |     | 50 ½   47 ¼            | 56   52 ½              | 33 ¾               | 37 ¼               |
| HEIGHT (in)                 |     | 38 ½   38 ½            | 40 ¾   40 ¾            | 53 ½               | 58 ¾               |
| SUPPLY (in)                 |     | 18 ½ x 17 ½            | 22 ¼ x 21 ¼            | 21 x 20            | 24 x 23 ¼          |
| RETURN (in)                 |     | 18 ½ x 15 ½            | 22 ¾ x 13 ½            | 23 x 15            | 29 x 19            |
| FLUE PIPE (in)              |     | 6                      | 7                      | 6                  | 7                  |



3400, Industrial Boulevard  
Sherbrooke, Quebec  
J1L 1V8 Canada

T 1.819.346.8493  
TF 1.800.567.2733  
F 1.819.822.4227  
info@dettson.ca  
[www.dettson.com](http://www.dettson.com)

Specifications subject to change without notice.