

# Thermo Pride®

**Oil Heating**

*Lowboy Furnaces*

*OL5-OL39 Series*

*Horizontal OT11-OT16*

*Built Tough for Lifetime Comfort™*



# Oil Heating At Its Best

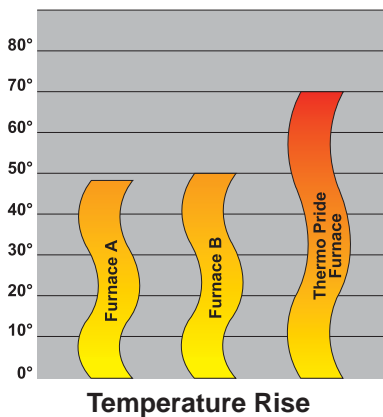
## Thermo Pride — Dependable Craftsmanship

For over 60 years, Thermo Pride has listened to your concerns about comfort and has met your demands for the best, most reliable, and efficient furnaces and cooling systems. Every Thermo Pride product is built with traditional, dependable craftsmanship. What this means to you is quiet, reliable, long lasting performance.



### Comfort

Comfort is the purpose behind any heating system. “Temperature rise” makes the difference between feeling warm, comfortable air from the registers in your home or the feeling of cool air blowing across you when the furnace is on. It is the difference in air temperature from the point where it enters the furnace to the point where it exits. The higher the temperature rise—the warmer the air when it enters the rooms of your home. Thermo Pride has a standard 70°F temperature rise across its full line of oil furnaces. This is an air temperature up to 30°F warmer than the competition—providing a far superior comfort level.



### Handcrafted Quality

Each Thermo Pride cabinet is powder coated inside and out for a durable, tough finish that will ensure long life and a quality appearance. The interlocking

insulated furniture grade steel cabinet helps retain heat within the furnace and prevents annoying vibrations during operation. The rounded corners add structural strength and a pleasing appearance to the cabinet.

The heat exchanger is fabricated of 13-gauge copper coated steel in a unique octagonal shape to increase the surface area and the heat transfer of the heat exchanger. The copper coating helps prevent corrosion from external damp conditions. This unique combination of design and material provides Thermo Pride oil furnace owners with the confidence that these furnaces are made to last a lifetime!

### Warranty

The proven longevity of Thermo Pride’s heat exchanger, combined with the Limited Lifetime Warranty, virtually eliminates the worry of ever having to replace your furnace. Should you sell your home, the heat exchanger warranty will automatically transfer to the new owners. Thermo Pride furnaces also come with a “Peace of Mind” 10-year parts warranty.



Several of our oil furnaces bear the ENERGY STAR® logo. These products are 85% or more efficient, with an energy efficient blower system saving you money on energy bills.

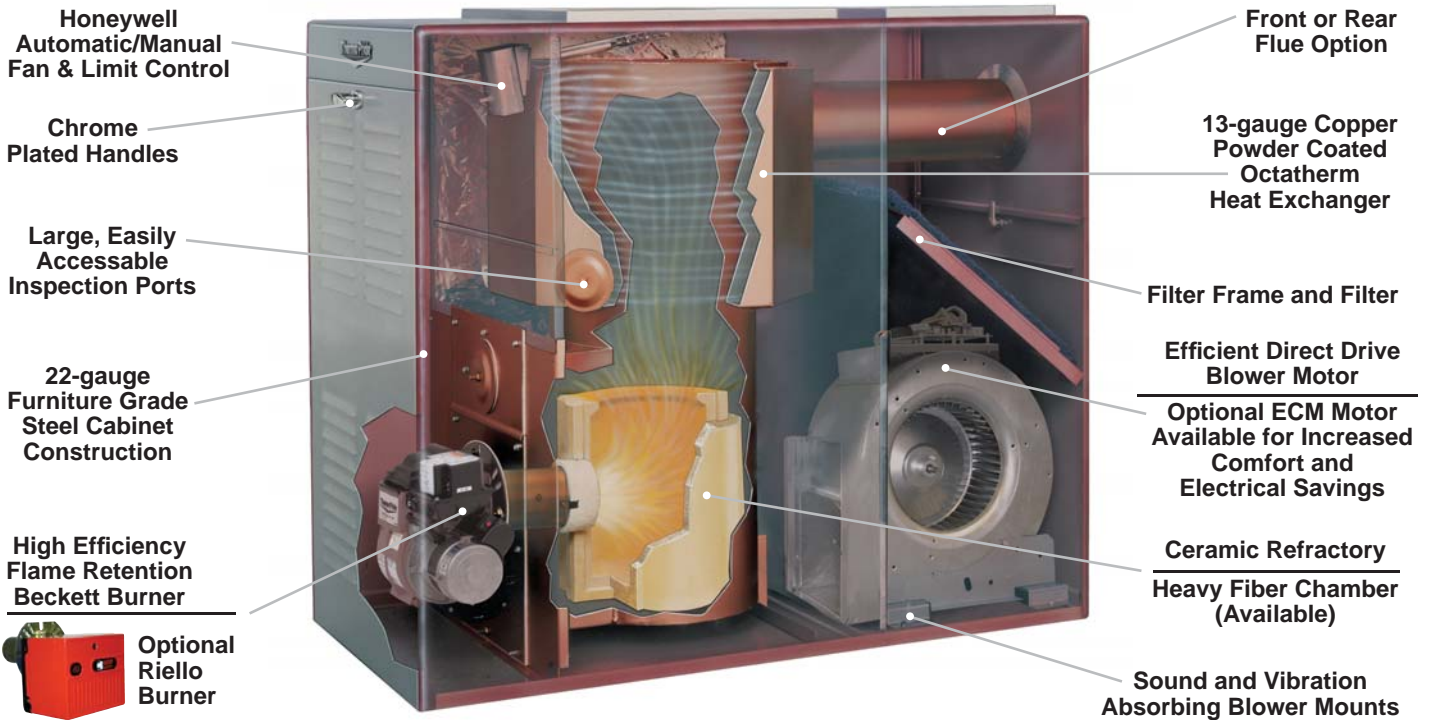
Thermo Pride’s manufacturing facilities have earned the prestigious ISO 9001:2000 certification. This seal assures consistent quality products through a structured quality control process. Thermo Pride oil products have also earned the industry respected certification for safety from Underwriter’s Laboratory (UL).





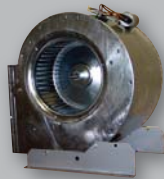


## Features and Benefits



### Blower Motors

Thermo Pride's direct-drive blowers allow the installer to select the appropriate heating and cooling blower speed for your home.



Your furnace is also available with the optional ECM motor. The ECM motor provides infinite blower speeds for increased efficiency and ramps up to speed reducing the annoying burst of cold air from your registers giving you a more comfortable home. It can pay for itself in electrical savings alone.

### Ceramic Refractory

The ceramic refractory is designed to assure more complete combustion which means increased efficiency. It also provides protection for the heat exchanger from the direct flame and ensures quiet operation.

### Filter Frame and Filter

A washable air filter means cleanliness, convenience, and cost savings over disposable air filters.

### High-Efficiency Flame Retention Burner

Beckett hi-speed flame retention burners are standard on Thermo Pride furnaces. They provide more complete combustion and higher fuel efficiency. The Riello burner is also an available option.



Riello BF3

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# Premiere Oil Furnace with ECM Blower System



## Dependable Craftsmanship with Maximum Comfort

When you want to experience exceptional comfort, increased efficiency, and quieter operation while still receiving the handcrafted quality and proven warranty of Thermo Pride's traditional oil furnace, select the Premiere Oil Furnace with the ECM variable-speed blower motor. Since the ECM motor automatically adjusts its speed for varying heating and cooling modes your home's maximum comfort is achieved.

### Some of the ECM benefits include:

- Energy bills will be lower due to increased electrical efficiency of the ECM Motor (especially when you run the blower for long periods of time.)
- Quieter start up, greater efficiency, and more comfortable operation due to infinite fan motor speeds
- Delivery of comfortable airflow in both the heating and cooling modes. On a call for heat or cooling the blower motor starts at the slower speed and builds to the correct running speed
- Automatically compensates for restricted ducts or a dirty air filter by increasing the motor speed (routine filter cleaning is still recommended.)
- Reduced fan speeds will save energy and increase comfort levels when the blower runs in circulation mode.

### Saving to Experience

Since the ECM variable-speed blower motor uses less electricity than a conventional blower motor, not only will you have increased comfort, but you can also save money (based on 0.08/kWh electric cost). Savings will vary depending on model and motor size.

1. Annual Savings for heating your house — average \$58
2. Annual Saving for heating and cooling your house — average \$76
3. When using a constant fan that runs for air filtration, your annual savings can average \$480 for just heating your house or \$429 for heating and cooling your house.

*"This Furnace is much quieter. Heats rooms that were cool with previous furnace. So far we have used less kw of power each month compared to the previous year."*

*Bob Williams, VP of Roscoe Energy Systems & Oil Company*

## Built with Your Home in Mind

### Cabinet Construction

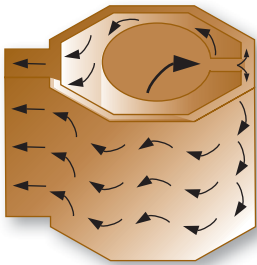
Thermo Pride cabinet panels are fabricated of 22-gauge cold-rolled steel with rounded corners and an interlocking design for a more finished appearance and greater strength. The cabinet is powder coated on both sides and is lined with ½” thick reinforced fiberglass insulation for maximum heat retention.



On all basement, upflow and horizontal furnaces, Thermo Pride incorporates a burner vestibule enclosure into its design. The vestibule and insulation diminish burner combustion noise and provide safety by isolating controls from children and pets.

### Octatherm™ Heat Exchanger

At the heart of every Thermo Pride oil-fired furnace is the “Octatherm” heat exchanger. The heat exchanger is fabricated out of 13-gauge copper coated steel. Some manufacturers use less expensive, thinner 14 or 16-gauge steel. Thermo Pride’s copper powder coating helps prevent corrosion from damp conditions often encountered in basement installations.



Thermo Pride further stands out by individually sizing its heat exchangers for virtually every model furnace offered. This helps to assure maximum efficiency, longest life, and the highest comfort for all applications.

The octatherm heat exchanger’s unique eight sided design provides more efficient use of the heat transfer area. This design puts less stress on the steel and thus provides a longer life. As a result, the octatherm design generates increased dependability and a lifetime of comfort for your home.

### Perfect Application

Thermo Pride oil furnaces provide complete product flexibility. Available in BTU per hour output ranges from 85,000 to 320,000 to comfortably heat any size home, Thermo Pride oil furnaces offer the widest selection available—there’s one that’s right for your home.



Choose from two different configurations.

1. Lowboys (OL) for basement use, or where height may be limited, feature a vestibule-enclosed burner and either rear or front flues.
2. Horizontal (OT) models are designed for crawl spaces, and are available with either front or rear flue. They can be installed with either a right or left hand discharge.

# Specifications



MODEL NUMBER	AFUE% <sup>(1)</sup>	BTU/H OUTPUT <sup>(3)</sup>	DIMENSIONS (INCHES) W x L x H	WARM AIR OUTLET (INCHES) W x L	RETURN AIR INLET (INCHES) W x L	FLUE DIA. (IN)	MAXIMUM A/C CAPACITY				APPROX. SHIPPING WEIGHT
							STANDARD		UPGRADE		
							BD	DD	BD	DD	
<b>PREMIERE WITH ECM</b>											
★ OL5-85_DE	85.3	85,000	25 X 50-1/4 X 43-1/4	20 X 20	20 X 14	5	—	3.5	—	—	410
★ OL11-105_DE	85	101,000	25 X 54-1/2 X 46-1/2	20 X 20	20 X 16	6	—	3.5	—	—	500
★ OL16-125_DE	85	125,000	25 X 58-1/2 X 46-1/2	22 X 22	22 X 18	7	—	5	—	—	560
★ OL20-151_DE	85	151,000	27 X 58-1/2 X 50-1/2	22 X 22	22 X 18	7	—	5	—	—	600
<b>LOWBOY</b>											
OL5-85	85/86 <sup>(2)</sup>	85,000	25 X 50-1/4 X 43-1/4	20 X 20	20 X 14	5	—	3.5	—	4	410
OL11-105	85/82.6 <sup>(2)</sup>	101,000	25 X 54-1/2 X 46-1/2	20 X 20	20 X 16	6	—	3.5	—	4	500
OL16-125	85	125,000	25 X 58-1/2 X 46-1/2	22 X 22	22 X 18	7	—	5	—	—	560
OL20-151	85	151,000	27 X 58-1/2 X 50-1/2	22 X 22	22 X 18	7	—	5	—	—	600
OL33-200	— <sup>(5)</sup>	200,000	34 X 72 X 60-3/4	28 X 28	28 X 24	9	5	—	10	—	1025
OL37-250	— <sup>(5)</sup>	250,000	38 X 85-1/2 X 67-3/4	32 X 32	32 X 28	9	5	—	10	—	1120
OL39-320	— <sup>(5)</sup>	320,000	38 X 85-1/2 X 67-3/4	32 X 32	32 X 28	9	8	—	10	—	1150
<b>HORIZONTAL</b>											
OT11-105 <sup>(4)</sup>	78.2	101,000	24-1/2 X 74 X 24	20 X 20	20 X 20	6	—	3.5	—	4	445
OT16-125 <sup>(4)</sup>	78	125,000	26 X 74 X 26	22 X 20	22 X 20	7	—	5	—	—	500

- Seasonal efficiency (Annual Fuel Utilization Efficiency) ratings are based on tests following U.S. Department of Energy Test Procedures.
  - The second figure represents AFUE% ratings with Riello burner option.
  - BTU output based on 80% efficiency, rated by manufacturer, all specifications subject to change without notice.
  - These models have exposed burners. **T-units not approved for attic installation.**
  - DOE test procedures do not apply on units with 200,000 BTU input or higher.
  - Not Shown:** Barometric Draft Regulator - Optional, four-speed direct drive blower with fan center. All Thermo Pride octagon oil furnaces can be changed easily from oil to either natural or propane (L.P.) gas. For recommendations on selecting the proper burner, contact Thermo Pride...Design certified conversion burners must be installed and used in accordance with the manufacturer's instructions, the "American National Standard installation of domestic gas conversion burners, Z21.8", and all local installation codes.
- ★ As an ENERGY STAR® partner, Thermo Pride has determined these models meet ENERGY STAR® 3.0 guidelines.

## Accessories

Thermo Pride offers a complete line of heating/cooling equipment. The addition of accessories to your system can provide greater comfort and a healthier indoor environment.

### UV Aire



Improve the indoor air quality of your home by adding a UV Aire-Air Purifying System to your home heating and cooling ductwork. UV Aire silently and effectively reduces airborne contaminants including molds, bacteria, yeasts, dust mites, and viruses that can cause allergies.

### Power Humidifier



Proper humidity levels in your home increases comfort, reduce annoying static electricity, dried cracked furniture and wood trim, and wilting houseplants.

### Premiere Series Programmable Thermostat



Perfect for a combination heating/cooling system, the Premiere Series Programmable Thermostat maximizes comfort while saving energy. Use up to four different timed programs to save energy.

### Electronic Air Cleaner and Media Air Filter



Air cleaners and media filters remove odors and up to 99% of air born pollutants, plus keep the dust under control.



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www.thermopride.com