



The Comfort of a Thermo Pride Gas Fired Furnace

Built Tough for Lifetime Comfort™

Thermo Pride®



The Comfort of a Gas-Fired Furnace

The Gas Furnace Built for You

Thermo Products, makers of Thermo Pride heating and cooling equipment, listens to homeowners and incorporates your needs and concerns into a line of superior gas furnaces. You are ensured long-lasting trouble-free operation and peace of mind when you choose a Thermo Pride gas-fired furnace.



Traditional Craftsmanship

For over 60 years, Thermo Products has stood for handcrafted products and hometown values. During this time we have never lost sight of our heritage, our goal of producing the highest quality comfort products, and our commitment to complete customer satisfaction. This has allowed us to provide customers like you with the highest quality products.

Thermo Pride gas furnaces are designed in upflow (CHX3 and CHB1) and counterflow/horizontal (CDX3 and CDB1) models. This ensures that you get the furnace that's a perfect match for your home.

Value—"Peace of Mind"

PEACE OF MIND
WARRANTY

Warranty

The proven longevity of Thermo Pride's heat exchanger combined with the "Peace of Mind" warranties, help eliminate your risk and worry of having to repeat a substantial investment. The "Peace of Mind Plus" warranty provides that if the heat exchanger fails within 10 years from the date of installation, Thermo Pride will provide you with a replacement furnace*. The "Peace of Mind" warranty covers the cost of defective parts for the first ten years and covers the heat exchanger for life. Should you sell your home, the heat exchanger warranty will transfer automatically to the new homeowners.

Certified Value



Thermo Products is an ISO 9001:2000 registered company. This means that our products are quality inspected to ensure a high level of value. Also, all of our condensing furnaces bear the ENERGY STAR® logo. These products are more than 90% efficient, saving you money on energy bills.



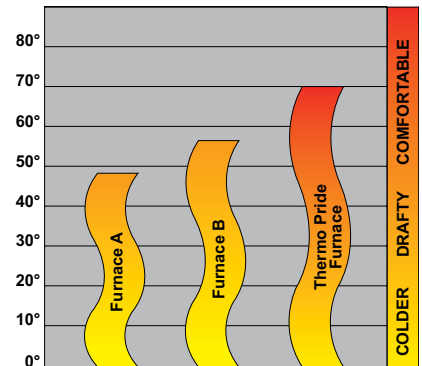
Quality

Proven quality components, heavier construction throughout the appliance, and a cabinet that is designed to last are just a few quality features of Thermo Pride gas furnaces. Both models, the Premiere Series and 90% Condensing, are constructed with state-of-the-art components to operate under a variety of conditions while providing complete comfort.

Temperature Rise

Comfort is the purpose behind any heating system, and warmer air from the heat vents in your home means greater comfort for you. "Temperature rise" is the temperature difference between air entering and exiting the furnace. The higher the temperature rise—the greater the warmth of the air when it enters your home. Thermo Pride has set a standard of 70°F temperature rise across its full line of furnaces, considerably higher than other manufacturers' units.

Offering quality, value and traditional craftsmanship, a Thermo Pride gas furnace is truly the gas furnace built for you.



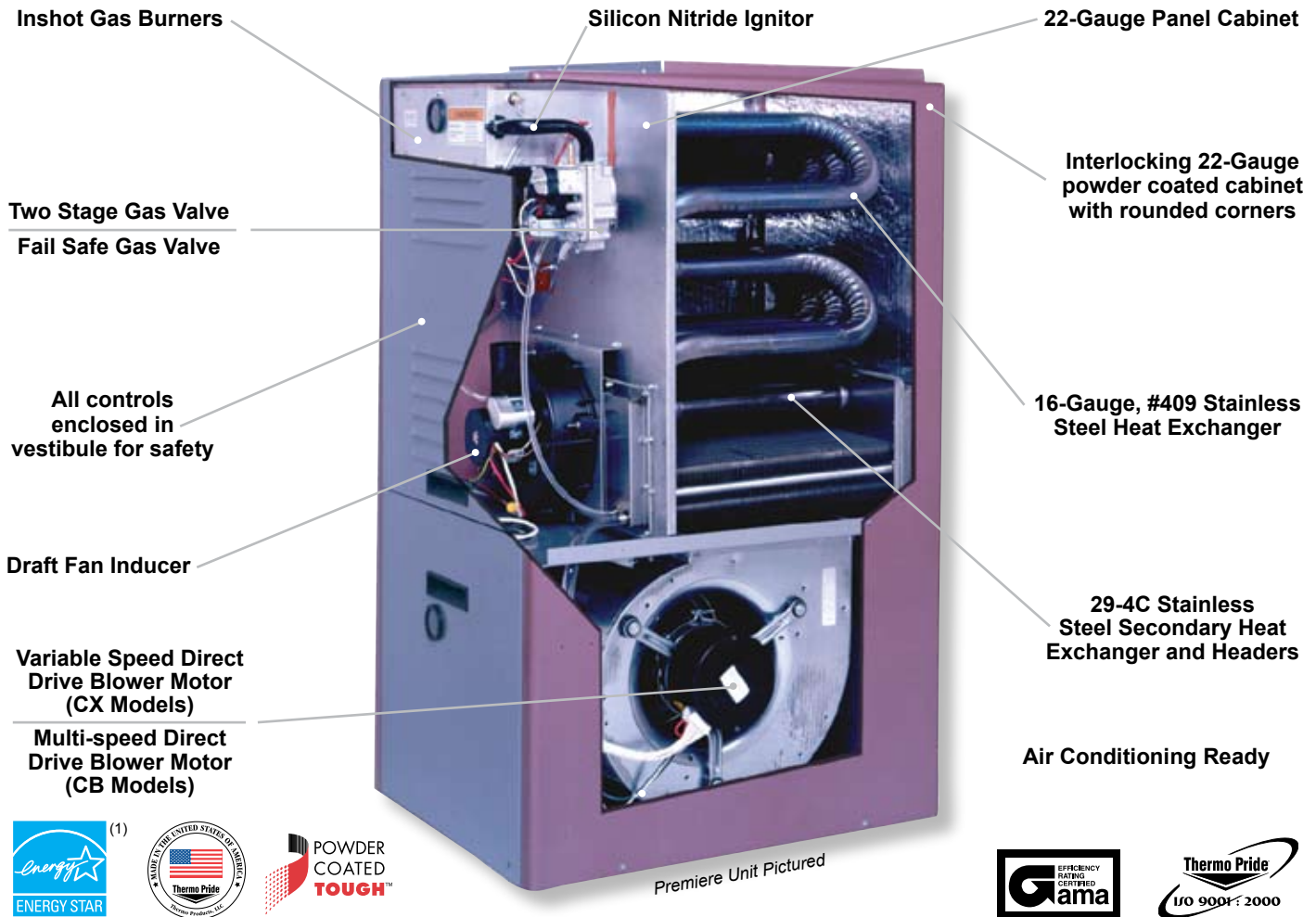
Temperature Rise

*Installation requirements must be met. See contractor for more information.



Built Tough for Lifetime Comfort™

Features and Benefits



FEATURE	(1) Premiere Series CHX1/CDX1	(1) 90% Condensing CHB1/CDB1
Inshot Gas Burners	•	•
Two Stage Gas Valve	•	
Fail-Safe Gas Valve	•	•
Variable Speed Direct Drive Blower	•	
Multi-speed Direct Drive Blower Motor		•
16-gauge #409 Stainless Steel Heat Exchanger	•	•
29-4C Stainless Steel Secondary Heat Exchanger	•	•
Interlocking 22-gauge Panel Cabinet w/ Powder Coated Finish	•	•
Silicon Nitride Ignitor	•	•
High Limit Temperature Switch	•	•
CSA Design Certified	•	•
Natural Gas (LP conversion kit included)	•	•
Direct Vent	•	•
10-year "Peace of Mind" Warranty	•	•
10-year "Peace of Mind Plus" Warranty	•	•
Fully Transferable Lifetime Limited Warranty on Heat Exchanger	•	•
Optional Extended Labor Warranty	•	•

1. As an ENERGY STAR® partner, Thermo Pride has determined that the Premiere CHX1/CDX1 series and the CHB1/CDB1 series meet the ENERGY STAR® guidelines.

Benefits of Thermo Pride Ownership

Inshot Gas Burners

- Designed to burn quietly, efficiently and consistently
- Factory ready for natural gas application (LP conversion kit included)



Fail Safe Gas Valve

- Ensures safe, reliable operation for years of trouble-free service

Two Stage Gas Valve on Premiere Units

- Operates at two firing rates. The first, or lower rate, is designed to provide heat on the mild days when a single stage furnace may be too large
- The second stage operates only when needed to overcome colder conditions
- Provides lower gas consumption because the furnace will operate at low fire 70-80% of the time

Multi-speed Direct Drive Blower Motors in 90%+ Furnaces

- Allows the installer to select the proper blower speeds for quiet operation
- A wider wheel, built and balanced for whisper quiet reliable operation
- Air conditioning ready



Premiere Variable Speed Direct Drive ECM Blower Motor (CX Series)

- Infinite fan motor speeds provide quieter start up, greater efficiency, and more comfortable operation
- Delivers the correct amount of airflow in both the heating and cooling modes. On a call for heat/cooling the blower motors starts at a slower speed and builds to the correct running speed
- Provides significant electrical cost reduction when the blower runs constantly as in air cleaner applications



16-gauge #409 Stainless Steel Heat Exchanger

- 16-gauge #409 stainless steel provides a lifetime of durability, high efficiency heat transfer and high 70° temperature rise.



29-4C Stainless Steel Secondary Heat Exchanger

- Includes stainless steel collector box on secondary heat exchanger
- Extracts the remaining useable heat from the flue products for maximum efficiency
- Is corrosion resistant, which provides maximum safety and durability to the heat exchanger construction

Interlocking 22-gauge Panel Cabinet with Durable Powder Coated Finish

- Fabricated with rounded corners and an interlocking design for a more finished appearance and greater strength
- Lined with 1/2" thick reinforced fiberglass insulation for maximum heat retention
- Incorporates a burner vestibule enclosure into its design to isolate burner combustion noise



Silicon Nitride Igniter

- Nearly indestructible—the silicon nitride igniter quickly heats to a red-hot condition to ignite the gas from the manifold
- Minimum voltage required for ignition which saves energy

High Limit Temperature Switch

- Protects the heat exchanger from poor air flow and potential hazards
- Shuts down the furnace if a blower malfunction or an obstruction occurs which blocks airflow

Which Thermo Pride Gas Furnace is Right for You?

Deciding which furnace line and accessories to use may be as simple as asking yourself and your contractor a few basic questions. This will help to establish a clear understanding of your system needs and desires ensuring complete comfort and satisfaction.

When should I buy a Thermo Pride CHB/CDB series of furnace?

- How much do you currently spend for heating fuel, annually? If your current fuel bills are high, the 12-15% savings of CHB/CDB can substantially increase your rate of return on the investment when replacing a mid-efficiency furnace.
- What are the venting requirements? The CHB/CDB gas furnace can be vented with PVC pipe reducing installation costs if the chimney is not in working condition. This “up front” installation savings may be enough to completely offset the difference in price.
- Is the air in your home too dry during the heating season? The CHB/CDB gas furnace can be installed as a direct vent system where combustion air is drawn from the outside of the home, eliminating the depletion of moisture from your home through your chimney.



When should I buy a Thermo Pride Premiere CHX/CDX series furnace?

The Premiere 2-stage 90+ furnace (CHX/CDX) has all of the benefits of the single stage 90+ furnace (CHB/CDB) plus a few added features.

- Do you want to increase comfort and further reduce your fuel bills? The high efficiency General Electric ECM variable speed blower motor will save a significant amount of electrical energy in applications that require long or constant blower operation.

- Is improving your indoor air quality important to you? The ECM motor will allow for reduced speed during constant fan operation for air filtration and improved indoor air quality.

The ECM variable speed blower motor adjusts to compensate for less than perfect duct applications and/or dirty filters (filters should be cleaned or replaced on a regular basis).

Two stages of heat allow for longer run times at a reduced firing rate. Increased run times allow better air filtration and reduce temperature swings during the milder seasons increasing your comfort level.

Complete System Comfort

Assemble a complete comfort system with a Thermo Pride air conditioning condensing unit, and your choice of accessories along with your Thermo Pride gas furnace.



The Premiere Gas Furnace offers the added comfort of two-stage operation, so why not add a programmable two-stage Premiere Thermostat for added efficiency? The Premiere Air Conditioning Unit adds greater efficiency to the cooling operation because of its high SEER (Seasonal Energy Efficiency Ratio) rating. For added indoor comfort, add a UV Aire light in the ductwork to kill mold and bacteria that can contribute to poor indoor air quality, an electronic air cleaner, and an automatic humidifier for complete comfort from your Thermo Pride forced air system.

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

Accessories

Premiere Series Air Conditioner



Available in 2 through 5 tons, the Premiere Series condensing units offer high efficiency air conditioning, providing efficiencies up to 16 SEER with ultra quiet operation, and a practically indestructible cabinet.

Programmable Thermostat



Perfect for a combination heating/cooling system, this programmable thermostat maximizes comfort while saving energy. Use up to four different timed programs which allow you to save energy when it is not needed and then reset to provide the comfort your family desires.

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.

Electronic Air Cleaner and Media Air Filter



Removes up to 97% of micron-sized airborne pollutants and allergy causing pollens to improve indoor air quality and create a healthier environment.

Vent Termination Kit

The Vent Termination Kit gives your installation an attractive finish. It mounts on the exterior wall of your home and the intake and exhaust pipes are terminated inside this paintable cover.



Power Humidifier



Proper humidity levels in your home reduce annoying static electricity, dried cracked furniture and wood trim, and wilting houseplants. Properly humidified air feels warmer allowing you to turn your thermostat down and reduce energy costs, yet your home will remain warm and comfortable.



Specifications



-all models

		MODEL NUMBER	MBH INPUT	MBH OUTPUT	AFUE %	DIMENSIONS (IN INCHES) L x W x H	FLUE DIAMETER (in inches)	WARM AIR OPENING	MAXIMUM A/C CAPACITY	APPROX. SHIPPING WEIGHT
ENERGY STAR® PRODUCTS	★ PREMIERE SERIES	CHX3-75	75/52	71/50	95.0	27½ x 17 x 44¼	2	15 x 18	3.5	185
		CHX3-100	100/70	95/66	95.0	27½ x 21 x 44¼	3	19 x 18	4	200
		CHX3-125	125/87	117/82	95.0	27½ x 24 x 44¼	3	22 x 18	5	225
		CDX3-75	75/56	71/52	93.0	27½ x 17 x 46¼	2	15 x 18	3.5	195
		CDX3-100	100/75	94/70	93.0	27½ x 21 x 46¼	3	19 x 18	4	210
		CDX3-125	125/93	116/87	93.0	27½ x 24 x 46¼	3	22 x 18	5	243
	★ 90% + CONDENSING SERIES	CHB1-50	50	47	95.0	27½ x 17 x 44¼	2	15 x 18	2	185
		CHB1-75	75	72	95.1	27½ x 17 x 44¼	2	15 x 18	3.5	200
		CHB1-100	100	94	95.0	27½ x 21 x 44¼	3	19 x 18	4	225
		CHB1-125	125	116	93.0	27½ x 24 x 44¼	3	22 x 18	5	243
		CDB1-50	50	47	93.0	27½ x 17 x 46¼	2	15 x 18	2	195
		CDB1-75	75	70	93.0	27½ x 17 x 46¼	2	15 x 18	3.5	210
		CDB1-100	100	94	93.0	27½ x 21 x 46¼	3	19 x 18	4	235
		CDB1-125	125	116	92.0	27½ x 24 x 46¼	3	22 x 18	5	253

★ As an ENERGY STAR Partner, Thermo Pride has determined that these models meet ENERGY STAR requirements