

# COZY

# Challenger Vented Gas Floor Furnace

*Cozy Comfort...with our Warmest Regards!*



The **COZY Challenger** provides warm even heat all winter long through the natural convection of circulating warm air. **COZY'S** scientific design assures a high volume air exchange (as much as three to five times each hour), guaranteeing uniform temperatures from floor to ceiling.

The **COZY Challenger** features a factory mounted control with built-in pressure regulator and 100% safety pilot. All controls are millivolt/self energizing, and require no electricity to operate; therefore, there is no need to worry about losing heat during a power failure!

The **COZY Challenger** occupies no room space and is easily installed between floor joists. The four models are available in four sizes to fit virtually any application. The heavy-duty steel baked-enamel floor register blends perfectly with any flooring composition – hardwood, carpet or tile!

The Safety Limit Control on a **COZY** Furnace offers you two settings to assure proper performance in any weather.

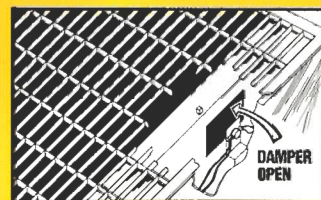


## LTS

Manufacturers of Heating Equipment Since 1888

### COZY VALUE FEATURES

- **Narrow Width 30,000 BTU Model** – installs between a standard 16" center joist without cutting the joist.
- **Continuous-Seam Welded Combustion Chamber** – constructed of heavy 18 gauge steel maximizes heat transfer.
- **Inner Jacket** is suspended with "U" type interlocking brackets and is easily removed for cleaning.
- **Jet Tube Burners** are durably constructed of aluminized steel and provide excellent flame characteristics for natural gas. Slotted-port design eliminates ignition and extinction noise. Warranted for 10 years (non pro-rated).
- **100% Safety Pilot/Built-in Pressure Regulator** completely stops the flow of gas in the event pilot flame is extinguished. Built-in pressure regulator protects against line pressure surge.
- **Low BTU Pilot** is durably constructed of stainless steel and provides maximum efficiency during standby.
- **Safety Limit Control** maintains the lowest possible grill temperature consistent with heating required. Also cycles unit off in the event grill is blocked by a rug or furniture.
- **Wall Thermostat** is standard on all models and provides maximum comfort and ease of operation.
- **Pyrex Vision Cap** provides quick, safe visual check of burner and pilot operation.
- **Draft Diverter** is included in all units and prevents pilot and burner outage due to downdraft.
- **Millivolt Control Assembly** – means no electricity is required to operate the unit. Heat is provided – even during power failure.
- **Matchless Spark Ignition** – Eliminates the need for matches or lighting tools.



#### Setting No. 1

In mild weather, operate furnace with damper open. Furnace will cycle on and off maintaining a moderate grill temperature and an even room temperature.



#### Setting No. 2

In extremely cold weather, close damper (which exposes hot register warming plate). Furnace will then put out maximum amount of heat until room temperature reaches setting on wall thermostat.



#### Manual Spark Igniter

Convenient push button pilot flame lighter eliminates the need for matches or other lighting tools.

[www.cozyheaters.com](http://www.cozyheaters.com)

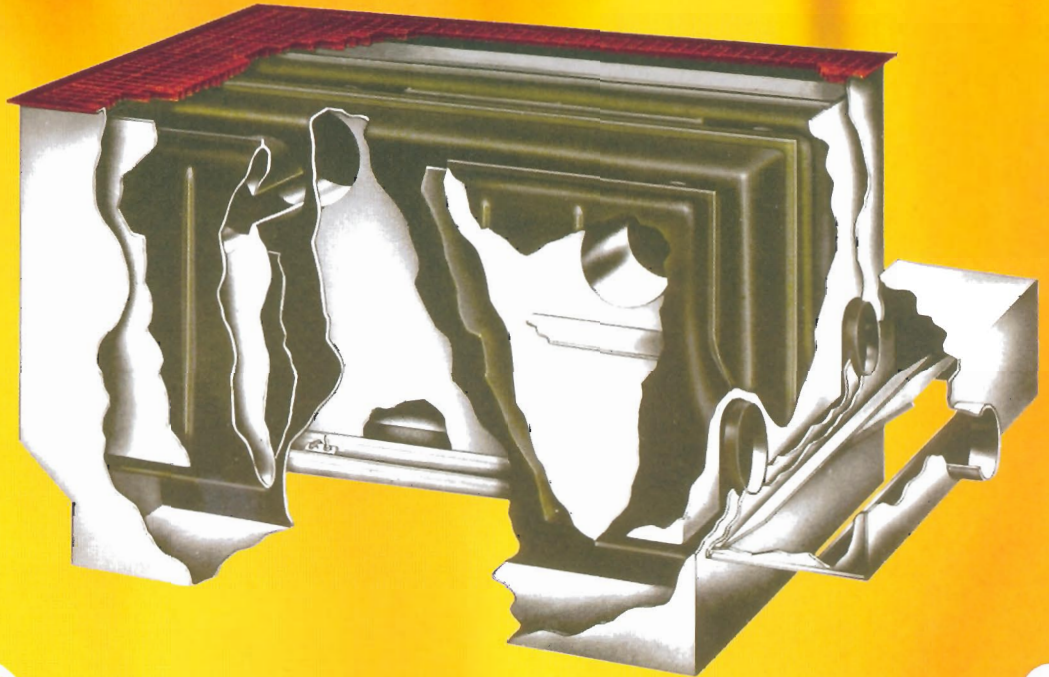
# GOZY

# Performance Proven Features

*Cozy Comfort...with our Warmest Regards!*

The **COZY Challenger** is a completely modern heating appliance, featuring durable, high-quality construction. The combustion chamber is precision-formed, continuous-seam welded 18 gauge steel, *warranted for 10 years* against rustout or burnout. The outer casing is constructed of heavy duty galvanized steel, lapped and spot welded for rugged durability. The floor grill consists of brown baked-enamel steel for beauty and strength.

The **COZY Challenger** is certified by the Canadian Standards Association (U.S.) for safe, efficient operation. The unit control features a 100% safety-pilot and low-BTU operation during standby. L.P. Conversion Kits are available.



LIMITED WARRANTY ON COMBUSTION CHAMBER AND BURNER.

## SPECIFICATIONS

CHALLENGER MODEL NO.	90N30	90N50	90N65	90N75
TYPE GAS	NATURAL*	NATURAL*	NATURAL*	NATURAL*
BTU Input Per Hour	30,000	50,000	62,000	75,000
Width and Length	14" x 32"	22" x 32"	24" x 36"	26" x 42"
Height Overall	29 <sup>1</sup> / <sub>4</sub> "	29 <sup>1</sup> / <sub>4</sub> "	29 <sup>7</sup> / <sub>8</sub> "	30 <sup>7</sup> / <sub>8</sub> "
Grille Size Overall	16" x 34 <sup>1</sup> / <sub>8</sub> "	24" x 34"	26" x 40"	28" x 44"
Size of Floor Opening	14 <sup>1</sup> / <sub>4</sub> " x 32 <sup>1</sup> / <sub>4</sub> "	22 <sup>1</sup> / <sub>2</sub> " x 32 <sup>1</sup> / <sub>2</sub> "	24 <sup>1</sup> / <sub>2</sub> " x 38 <sup>1</sup> / <sub>2</sub> "	26 <sup>1</sup> / <sub>2</sub> " x 42 <sup>1</sup> / <sub>2</sub> "
Gas Pipe Size at Furnace	1/2"	1/2"	1/2"	1/2"
Vent Pipe Opening	4"	4"	5"	5"
Floor to Center Line of Vent	22"	22"	22"	22 <sup>1</sup> / <sub>2</sub> "
Shipping Weight	108 lbs.	126 lbs.	152 lbs.	181 lbs.

\*L.P. Conversion Kits available – Specify altitude if other than 2,000 ft elevation.

**Louisville Tin & Stove Co.**  
INCORPORATED

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