



**INTERNATIONAL THERMAL RESEARCH**

*Advanced Diesel Heating & Hot Water Solutions*

# **SPACE HEATING AND ON DEMAND HOT WATER FROM A COMPACT DIESEL FURNACE**



**Hurricane<sup>®</sup> Zephyr<sup>™</sup> HW**  
*Hydronic Heating Systems by ITR*



**The Hurricane Zephyr is an all-in-one, space heating, on-demand hot water system. The Hurricane Zephyr is easy to install and requires no side access for service or maintenance. It provides superior performance, and offers more features and options than the competition.**

*“I am sitting onboard in Boston Harbor this afternoon while 50+ knots of wind rips through the harbor. It is absolutely wonderful inside with the Hurricane heating the boat.”*

**John Coppola**  
Owner, M/V Infinity



The **Hurricane Zephyr** continues a tradition of innovation, using the same proprietary low pressure burner technology that already leads the industry in safety and reliability. It is clean, odorless and efficient. It features a 33,000 BTU burner, a 1500W AC electric element, easy air-purging and coolant-fill operations, a freeze-protected tank design, and comprehensive on-board diagnostics that may be supplemented with a unique and intuitive touch screen control.

# FEATURES & BENEFITS

## **Superior Performance:**

The **Hurricane Zephyr** uses an efficient, built-in flat plate heat exchanger with easily adjustable potable water temperature control. It will provide a continuous 120°F temperature at a faucet flow rate of 1.0 gpm – More than enough performance for continuous hot water.

## **Multi-Zone Climate Control:**

The **Hurricane Zephyr** features a multi-zone temperature control system that allows independent control settings in up to four different areas of the yacht. Controlled warming of ambient air maintains desired temperature and humidity. Also included inside the Zephyr is a circulation pump that allows for automatic control of the potable water and space heating.

## **Powerful:**

The **Hurricane Zephyr** provides 33,000 TRUE OUTPUT™ BTUs in a single-loop, multi-zone configuration.

## **Auxiliary Electric Heat:**

When using on-shore power, the Hurricane 1500W electric element provides supplemental heat, reducing the need for diesel burner use, and making for a quiet environment inside and outside the yacht.

## **Engine Waste Heat Management:**

The **Hurricane Zephyr** has the ability to use heat produced by the yacht's engine(s) to provide space heating and hot water.

## **Optional Engine Preheat:**

This **Hurricane Zephyr** feature will maintain engine oil and coolant warmth using the electric heating element and/or the diesel burner. Cold diesel engine start-ups are eliminated, significantly reducing wear and fuel consumption.

## **Easy Installation:**

The **Hurricane Zephyr** is designed for easy installation in new yachts, and is further enhanced with “plug and play” electrical connections. No expansion tank is required; just an overflow bottle.

## **Low emissions – No Smoke – No Smell:**

The **Hurricane Zephyr**, like all Hurricane heaters, incorporates ITR's patented low pressure burner technology. This design produces clean, efficient, and safe combustion, resulting in the lowest possible emissions. This design significantly reduces wear on the fuel nozzle and associated parts. Efficient combustion is maintained for a longer service period than high-pressure systems used by the competition.

## **Marine Grade Construction:**

The **Hurricane Zephyr**, like all other Hurricane Heaters, is made with a stainless steel tank and external casing and a high temperature stainless steel burner for the harsh marine environment.

## **User Friendly Wi-Fi Touchscreen Remote:**

The **Hurricane Zephyr** features a unique and proprietary touch screen remote interface with an on-screen help menu and diagnostic information. With Wi-Fi capability and an ITR Android or iOS application, the heater can be controlled and monitored remotely.

*“I have over 3,000 hours on my Hurricane heater and have been extremely satisfied with the durability, simplicity of use, and the complete heating solution it provides.”*

**Rob Osterman**

Owner, S/V Saudade

# Not All BTU Claims Reflect **TRUE OUTPUT™ BTU**

**TRUE OUTPUT™ BTU** measures the actual output of a heater. BTU output claims that add the output capacity of fans do not reflect the BTU output of the system and are misleading. The BTU output generated by a hydronic system is limited by the **TRUE OUTPUT™** of the burner. All ITR output claims reflect **TRUE OUTPUT™ BTU**.

FEATURES AND SPECIFICATIONS

<b>Diesel Burner TRUE OUTPUT™</b>	33,000 BTU/hr 9.7KW
<b>Auxiliary Electrical Heat</b>	One 1500 watt element, 5,000 BTU Output
<b>Burner Design</b>	Proprietary ITR Low Pressure System
<b>Maximum Water Temperature and Flow Rate</b>	120°F@ 1.0 GPM
<b>Temperature Rise (ΔT) of Incoming Potable Water</b>	60°F
<b>Coolant Tank Capacity</b>	3.1 US gal / 11.75 L
<b>Fuel Consumption (continuous running)</b>	0.28 US gal/ hr / 1.06 L/hr
<b>Engine Preheat System</b>	Available option
<b>Amperage Draw (running)</b>	6.5 amps
<b>Amperage Draw (circulation pump)</b>	2.5 amps
<b>Amperage Draw (optional engine pre-heat pump)</b>	2.5 amps per pump and engine (if installed)
<b>Available Heating Zones</b>	4
<b>Heating Circulation Loops</b>	1
<b>WiFi Touch Screen Remote Interface</b>	Included
<b>Dimensions</b>	10.5" H x 14" W x 19" D
<b>Weight (empty/full):</b>	69 lbs / 96 lbs

*“It’s a cold blustery rainy day here in Scotland right now, but we are glad to have our Hurricane heating system heating our boat.”*

**Drake Roberts** Owner, S/V Paragon



If you have any questions regarding the Hurricane Zephyr, or any other International Thermal Research products, please call or email, or visit our website at [www.itrheat.com](http://www.itrheat.com)

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