



INTERNATIONAL THERMAL RESEARCH
Advanced Diesel Heating & Hot Water Solutions

COMFORT AND LUXURY ON THE OPEN SEA



Hurricane[®] Chinook[™]
Hydronic Heating System by ITR



The Hurricane Chinook is an all-in-one, space heating, on-demand hot water system. The Hurricane Chinook 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 Chinook** 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 50,000 BTU burner, dual 1500W AC (3000W total) electric elements, patented “never-run-dry” circulation pump protection, 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 Chinook** 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 1.5 gpm – More than enough performance for continuous hot water.

Multi-Zone Climate Control:

The **Hurricane Chinook** features a multi-zone temperature control system that allows independent control settings in up to five different areas of the yacht. Controlled warming of ambient air maintains desired temperature and humidity. Also included are two circulation pumps that allow for automatic control of the potable water and space heating.

Powerful:

The **Hurricane Chinook** provides 50,000 TRUE OUTPUT BTUs in a single-loop, multi-zone configuration.

Auxiliary Electric Heat:

When using on-shore power, the Hurricane dual 1500W (3000W total) electric elements provide abundant 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 Chinook** 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 Chinook** feature will maintain engine oil and coolant warmth using electric heating elements and/or the diesel burner. Cold diesel engine start-ups are eliminated, significantly reducing wear and fuel consumption.

Easy Installation:

The **Hurricane Chinook** 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 Chinook**, 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 Chinook**, 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 Chinook** 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**

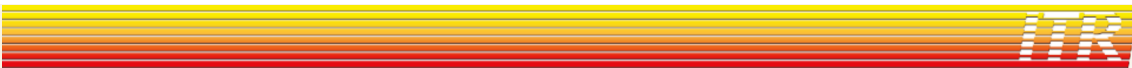
TRUE OUTPUT™ BTU measures the actual output of a heater. BTU output claims that add the output capacity of fans do not reflect the BTU output of the system and are misleading. The BTU output generated by a hydronic system is limited by the **TRUE OUTPUT™** of the burner. All ITR output claims reflect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

FEATURES AND SPECIFICATIONS

Diesel Burner TRUE OUTPUT™	50,000 BTU
Auxiliary Electrical Heat	2 x 1500 watt AC Elements, 10,000 BTU Output
Burner Design	Proprietary ITR Low Pressure System
Maximum Water Temperature and Flow Rate	120°F@ 1.5 GPM
Temperature Rise (ΔT) of Incoming Potable Water	60°F
Coolant Tank Capacity	7 gallons
"Never-Run-Dry" Pump Protection	Proprietary ITR System
Fuel Consumption (continuous running)	0.46 gallons/hr.
Engine Preheat System	Available option
Amperage Draw (running)	6.5 amps + 2.5 amps for circ. pump
Amperage Draw (heat loop pump)	3 amps
Amperage Draw (engine pre-heat pump)	3 amps (optional)
Available Heating Zones	5
Heating Circulation Loops	1
WiFi Touch Screen Remote Interface	Included
Dimensions	15" H x 16" W x 25.1" D
Weight (empty/full):	102 lbs / 163 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 Chinook, or any other International Thermal Research products, please call or email, or visit our website at www.itrheat.com

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