



INTERNATIONAL THERMAL RESEARCH

Advanced Diesel Heating & Hot Water Solutions

THE WORLD'S MOST ADVANCED DIESEL-FIRED HYDRONIC HEATING SYSTEM



Hurricane[®] II

Hydronic Heating Systems by ITR

DESIGNED AND MANUFACTURED FOR THE MARINE ENVIRONMENT



The Hurricane II diesel boilers are efficient, quiet and economical to operate. They also include 1 or 2 supplemental electric immersion element(s) when there is shore power available. The Hurricane II is easy to install and requires only front access for service and maintenance. The modular design and hour meter makes for easy scheduled maintenance and service. The Hurricane II 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 II** uses a low-pressure burner technology that already leads the industry in safety and reliability. It is not only clean, odourless and efficient, but allows for nozzles to last a very long time compared to the competition. The **Hurricane II** comes in two models; the H2 which features a 35,000 BTU burner and a single 1500W electric heating element, and the H2L which features a 50,000 BTU burner and dual 1500W (3000W total) electric heating elements. Both heaters also feature comprehensive on-board diagnostics that may be supplemented with a unique and intuitive touch screen control.

FEATURES & BENEFITS

Superior Performance:

The **Hurricane II** features the efficient, patented low pressure ITR burner. The coolant tank design features an internal exhaust box heat recovery system for greater efficiency.

Multi-Zone Climate Control:

The **Hurricane II** features a multi-zone temperature control system that allows independent control settings in up to five different areas of the yacht. The controlled warming of ambient air maintains desired temperature and humidity. The zone board allows for two space heating zone pumps and one water heating loop pump control.

Powerful:

The H2 and H2L models provide 35,000 and 50,000 TRUE OUTPUT BTU, respectively.

Auxiliary Electric Heat:

When connected to on-shore power, the H2 provides heat from a single 1500W electric heating element and the H2L provides heat from dual 1500W electric heating elements, which provide supplemental heat, reducing the need for diesel burner use and making for a quiet environment inside and outside the yacht.

Engine Waste Heat Management:

With the use of external flat plate heat exchangers, the **Hurricane II** has the ability to use heat produced by the yacht's engine(s) to provide space heating and hot water.

Optional Engine Preheat:

Using heat exchangers and a separate circulation pump, this **Hurricane II** 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 engine wear and fuel consumption.

Easy Installation:

The **Hurricane II** is designed for easy installation in new yachts, and is further enhanced with "plug and play" electrical connections.

Low emissions – No Smoke – No Smell:

The **Hurricane II**, 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 II**, 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 II** features a unique and proprietary touchscreen 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**.

	HURRICANE H2	HURRICANE H2L
Diesel Burner TRUE OUTPUT™	35,000 BTU(10.3 KW)	50,000 BTU(14.7 KW)
Auxiliary Electrical Heating Element(s)	1 x 1500W (5,000 BTU)	2 x 1500W (10,000 BTU)
Burner Design	Proprietary ITR low pressure system	Proprietary ITR low pressure system
Maximum Water Temperature & Flow Rate	120 °F @ 1GPM	120 °F @ 1.5 GPM
Temperature Rise (ΔT) of Incoming Potable Water	60°F	60°F
Coolant Tank Capacity	4.8 gallons (18 Liters)	8.5 gallons(32 liters)
Fuel Consumption (continuous running)	0.33 gal/h (1.26 L/h)	0.44 gal/h (1.67 L/h)
Engine Preheat System	OPTIONAL	OPTIONAL
Amperage Draw (running)	6.5 Amps/ 78 watts	6.5 Amps/ 78 watts
Available Heating Zones	5	5
Heating Circulation Loops	1	1 or 2
Interior Heat Available While Using Hot Water	YES	YES
Engine Waste Heat Management	OPTIONAL	OPTIONAL
System Voltage	12 VDC	12 VDC
Coolant Connections	1/2" MPT	1/2" MPT
Exhaust Outlet Connection	1.5" OD Pipe	2" OD Pipe
WiFiTouch Screen Remote Interface	OPTIONAL	OPTIONAL
Dimensions	13" H x 13" W x 22.5" D	14" H x 14" W x 30" D
Weight (empty/full):	58 lbs / 98 lbs	85 lbs / 156 lbs

FEATURES AND SPECIFICATIONS

"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 H2/H2L, or any other International Thermal Research products, please call or email, or visit our website at www.itrheat.com

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