



INTERNATIONAL THERMAL RESEARCH

Advanced Diesel Heating & Hot Water Solutions

**EFFICIENT, SAFE AND POWERFUL SPACE HEATING
FROM A COMPACT DIESEL FURNACE**



Hurricane® SCH33™

Hydronic Heating System by ITR



The Hurricane SCH33 is a compact space heating system with optional on-demand hot water. The Hurricane SCH33 is easy to install and has its own internal circulation pump. It provides powerful performance within a very small footprint.

“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 SCH33** 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 SCH33** has the option of using an external high efficiency flat plate heat exchanger with an easily adjustable potable water temperature control. If this external option is installed, the system can provide a continuous 120°F temperature at a faucet flow rate of 1 gpm.

Multi-Zone Climate Control:

The **Hurricane SCH33** features a multi-zone temperature control system, with a built-in circulation pump, that allows independent control settings in up to four different areas of the yacht. Controlled warming of ambient air maintains desired temperature and humidity.

Powerful:

The **Hurricane SCH33** 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.

Optional Engine Waste Heat Management:

This **Hurricane SCH33** externally installed option uses heat produced by the yacht engine to provide space heating and hot water.

Optional Engine Preheat:

This **Hurricane SCH33** externally installed option 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 SCH33** 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 SCH33** 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 SCH33**, like all other Hurricane Heaters, is made with a stainless steel tank, external casing and a high temperature stainless steel burner for the harsh marine environment.

User Friendly Wi-Fi Touchscreen Remote:

The **Hurricane SCH33** features the option of 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™	33,000 BTU/hr 9.7KW
Auxiliary Electrical Heat	one 1500 watt element, 5,000 BTU Output
Burner Design	Proprietary ITR Low Pressure System
Maximum Water Temperature and Flow Rate	120°F@ 1.0 GPM (if installed externally)
Temperature Rise (ΔT) of Incoming Potable Water	60°F (if installed externally)
Coolant Tank Capacity	1.2 US gal / 4.55 L
Fuel Consumption (continuous running)	0.28 US gal/ hr / 1.06 L/hr
Engine Preheat System	Available option (installed externally)
Amperage Draw (running)	6.5 amps
Amperage Draw (circulation pump)	2.5 amps
Amperage Draw (optional engine pre-heat pump)	2.5 amps per pump and engine (if installed)
Available Heating Zones	4
Heating Circulation Loops	1
WiFi Touch Screen Remote Interface	Optional
Dimensions	7.5" H x 11.0" W x 18.8" D
Weight (empty/full):	47 lbs / 57 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 SCH33, or any other International Thermal Research products, please call or email, or visit our website at www.itrheat.com

US

5305 NE 121st Ave., Suite 401
 Vancouver, WA 98682
 Telephone: (360) 993-4877
 Fax: (360) 993-1105
 Toll Free: 1-800-993-4402
 Email: info@itrheat.com

YOUR LOCAL DEALER

CANADA

2431 Simpson Road
 Richmond, BC V6X 2R2
 Telephone: (604) 278 1272
 Fax: (604) 278 1274
 Toll Free: 1-800-775-1272
 Email: info@itrheat.com