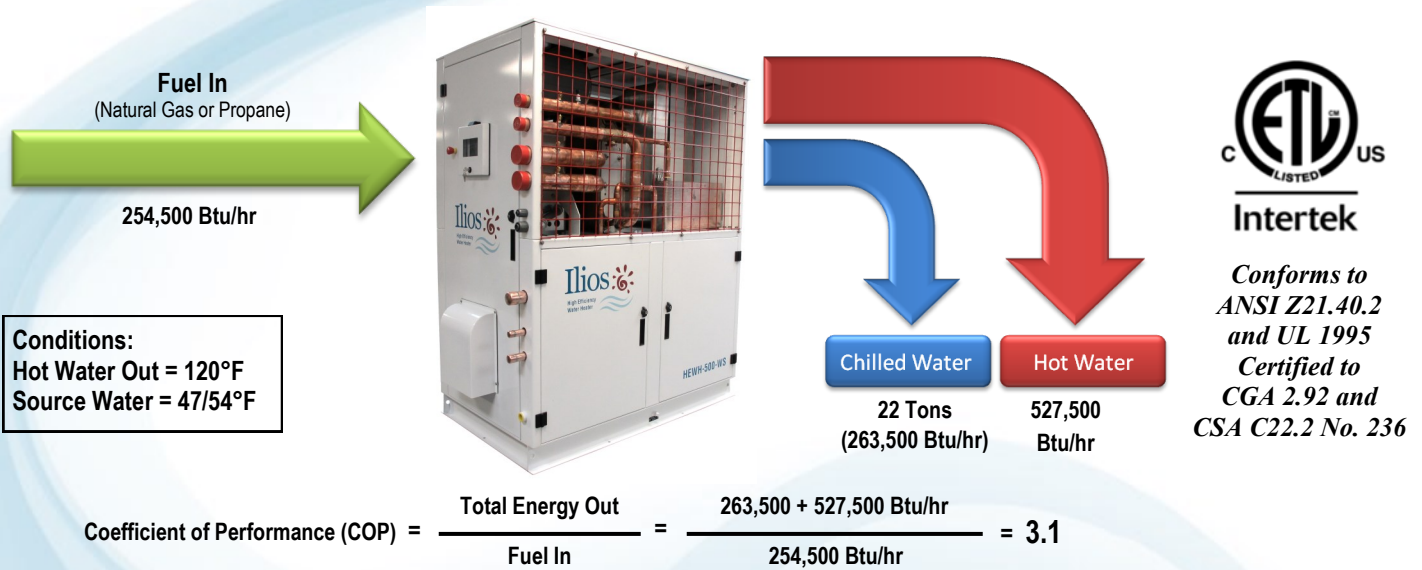


HEWH-500-WS
Water heating re-imagined...



**World's Most Efficient Water Heater
 Produces Hot & Chilled Water Simultaneously !**



Features and Benefits

- **Create Free Chilled Water** while producing hot water
- **Save on Electricity**, demand charge reduction
- **Ultra-Low emissions** with near zero criteria pollutants
- **Compact Size**, fits through a standard doorway
- **Immense Carbon Savings**, reduce your facility's environmental impact

Applications - Any building with a simultaneous need for heating and cooling can benefit !

- **Hotels & Condo/Apartment Complexes** (DHW & Cooling)
- **Food & Beverage Processing** (Process Hot Water, CIP, & Chilling)
- **Hospitals, Nursing Homes, & Schools** (Heating, DHW, & Cooling)
- **Health Clubs/Spas, JCCs, & YMCAs** (Heating, DHW, & Cooling)

Free Energy Sources

- **Low Grade Waste Heat**
- **Existing Chilled Water Loop or Condenser Loop**
- **Geothermal / Groundwater**

Tax Incentives Available

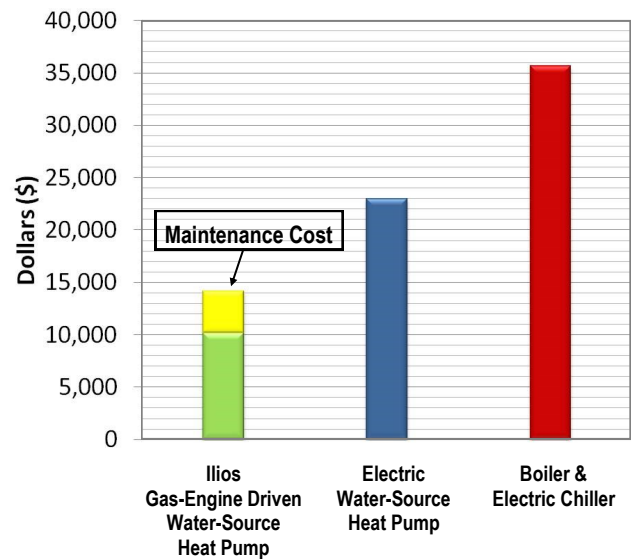
Investment Tax Credits (“ITC”) and Accelerated Depreciation are currently available for Combined Heat and Power products including the **Ilios High Efficiency Water Heater (HEWH)**:

- The Ilios HEWH currently qualifies for accelerated/bonus depreciation benefits and a 10% investment tax credit (“ITC”)
- These incentives reduce the payback period and decrease costs over the life of the product
- There may be additional incentives available through state and local agencies as well as your natural gas company or propane supplier
- Consult a qualified tax professional to determine specific benefits for your business

Please Contact us for a *free*
Site Specific Economic Analysis

We would be happy to calculate your projected savings based upon your local climate and your current gas or propane bill.

Annual Operating Cost Comparison (NYC)



Assumptions:

1. 4000 operating hours/year
2. 22 tons of chilling (47°F/54°F)
3. 527,500 Btu/hr of hot water (120°F)
4. Electric Rate \$0.12/kWh, \$20/kW Demand Charge
5. \$1.00/Therm Natural Gas
6. Electric Heat Pump COP = 6.0, Boiler Efficiency = 75%, Electric Chiller Efficiency (0.6 kW/ton)

Specifications: Ilios HEWH-500-WS

Performance	
Thermal Output	450,000 - 750,000 Btu/hr
Cooling Output	15 to 25 tons (depending upon conditions)
Rated COP	Heating 1.5 to 2.5, with Cooling up to 3.1
Hot Water Delivery Temperature	100° - 160°F
Source Water	20°F - 90°F
Field Connections & Installation	
Hot Water In & Water Out [copper tube]	2" Nominal connection
Source Water In & Out [copper tube]	3" Nominal connection
Gas Inlet (Natural Gas or Gaseous Propane – LPG HD5)	1" connection
Required Gas Pressure	8" - 12" wc
Electrical Requirement	120V / 1 / 60 (15A) or 230V / 1 / 50 (10A) [Europe]
Weight	3,200 lbs
Dimensions	5' L x 3' W x 6' H
Components	
Engine	Ultra low-emission natural-gas or propane 4-cylinder engine [<50 bhp]
Compressor	Open-drive reciprocating compressor
Condenser	Compact brazed-plate condenser
Evaporator	Compact brazed-plate evaporator
Refrigerant	Low-pressure, HFC-134a

