

**HEWH-500-AS**  
*Water heating re-imagined...*



## **World's Most Efficient Water Heater** **Cut Your Heating Bill in Half !**



*Conforms to*  
*ANSI Z21.40.2*  
*and UL 1995*  
*Certified to CGA 2.92*  
*and*  
*CSA C22.2 No. 236*

### **Features and Benefits**

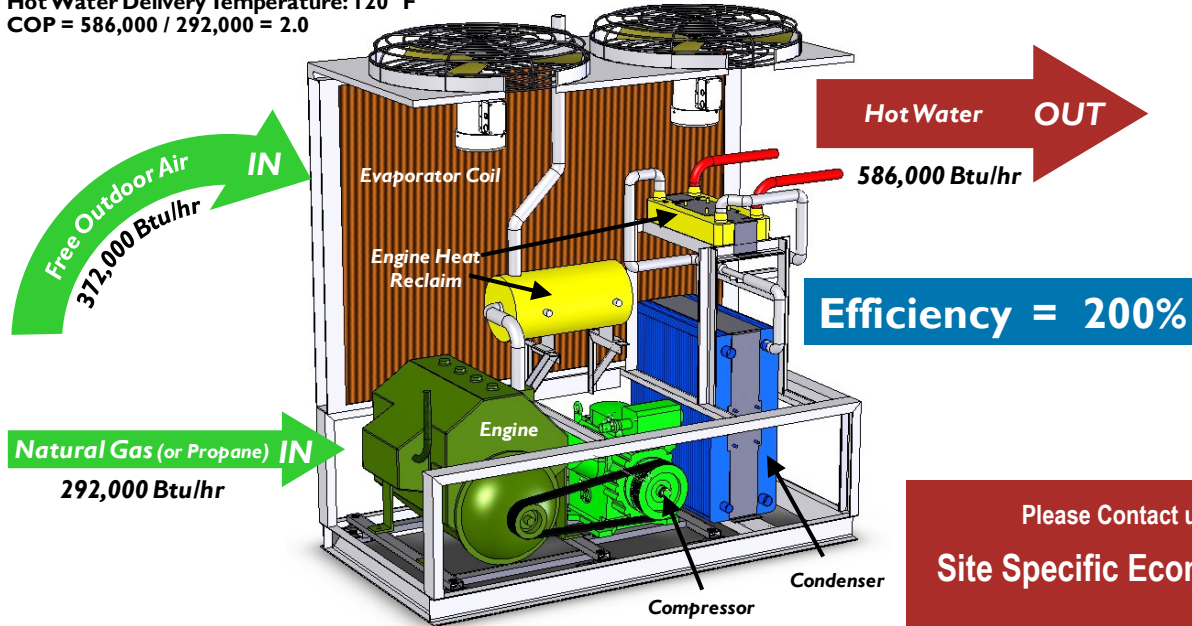
- **Twice the Efficiency of a Conventional Boiler**
- **400,000 to 600,000 BTU/hour** of hot water ideal for DHW, swimming pools, space heating and process heat
- **Hot Water Delivery Temperature 100°F to 160°F** with near zero criteria pollutants
- **COP of Up to 2.2** utilizing a highly efficient heat pump with reclaimed engine waste heat
- **50% Reduction in Carbon Footprint**
- **Ultra-low emissions** with near-zero criteria pollutants

### **Tax Incentives Available**

- 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

# Ilios High Efficiency Water Heater

Ambient Outdoor Temperature: 75 °F  
 Hot Water Delivery Temperature: 120 °F  
 COP = 586,000 / 292,000 = 2.0



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.

## Specifications: Ilios HEWH-500-AS

Performance	
Thermal Output	400,000 - 600,000 Btu/hr
Rated COP	1.2 to 2.2
Water Flow Rate	50 gpm
Water Delivery Temperature	100° - 160°F
Sound Rating	72 dBa @ 20'
Field Connections & Installation	
Water In & Water Out [copper tube]	2" Nominal connection
Electrical Requirement	120V / 1 phase / 60Hz, 15A
Gas Inlet (Natural Gas or Gaseous Propane – LPG HD5)	1" connection
Required Gas Pressure	8" - 12" wc
Weight	4,200 lbs
Dimensions	7'3"L x 4'1"W x 7'1"H
Components	
Engine	Ultra low-emission natural-gas 4-cylinder engine [<50 bhp]
Generator	Internal 5 kW generator for parasitic load
Compressor	Open-drive reciprocating compressor
Condenser	Compact brazed-plate condenser
Refrigerant	Low-pressure, HFC-134a