

# HEWH-500-AS Split Water heating re-imagined...



## Increased Flexibility! Air-Source Evaporator Package Can Be Installed Remotely...



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/hr** of hot water ideal for DHW, pool heating, space heating, re-heat for humidity control and process hot water
- **Hot Water Delivery Temperature up to 160°**
- **Split System**, extremely quiet air-source evaporator can be located remotely
- **Ultra-Low Emissions** with near zero criteria pollutants
- **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)
- **Health Clubs/Spas, JCCs, & YMCAs** (Heating, DHW, & Cooling)
- **Hospitals, Nursing Homes, & Schools** (Heating, DHW, & Cooling)
- **Food & Beverage Processing** (Process Hot Water, CIP, & Chilling)
- **Labs, Bio/Pharma** (Process Hot Water, Humidity Control (re-heat), Heat Recov-

## 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

Factory trained technicians provide  
**Nationwide Service**

by  
**Tecogen**   
 Advanced Modular CHP Systems

## Specifications: Ilios HEWH-500-AS Split

Performance		
Thermal Output	400,000 - 600,000 Btu/hr	
Rated COP	1.2 to 2.2	
Water Flow Rate	80 gpm	
Water Delivery Temperature	100° - 160°F	
Components		
Engine	Ultra low-emission natural-gas 4-cylinder engine [<50 bhp]	
Compressor	Open-drive reciprocating compressor	
Condenser	Compact brazed-plate condenser	
Refrigerant	Low-pressure, HFC-134a	
Field Connections & Installation	Indoor	Outdoor
Water In & Water Out [copper tube]	2" Nominal connection	n/a
Refrigerant Piping	Liquid & Suction Connections	
Electrical Requirement	120V / 1 phase / 60Hz, 15A	208 or 460V / 3 phase / 60Hz, 30A
Gas Inlet (Natural Gas or Gaseous Propane – LPG HD5)	1" connection	n/a
Required Gas Pressure	8" - 12" wc	n/a
Weight	3,200 lbs	1,500 lbs
Dimensions	5'L x 3'W x 6'H	7'L x 4'W x 6'H

