



Intellihot  
Endless water. Zero waste.™

COMMERCIAL

# The Electron Series iE6

## WORLD'S FIRST TANKLESS HEAT PUMP WATER HEATER

Intellihot's Electron Series heat pump water heaters are specially designed to provide reliable hot water with a focus on health and sustainability.

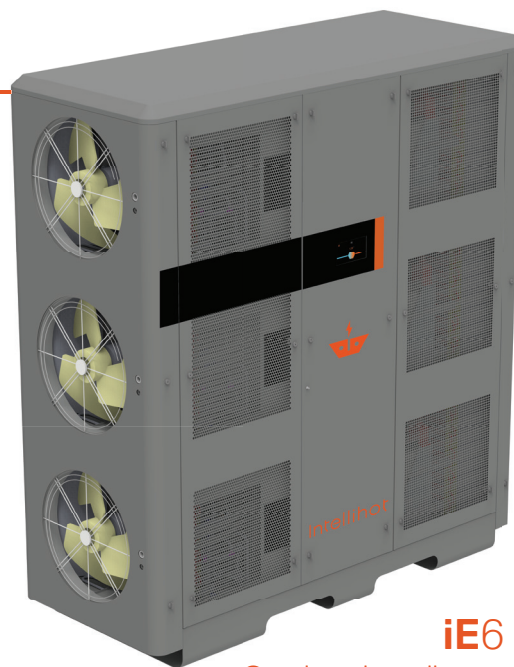
The Electron series heats water on-demand by using energy stored in a thermal battery. Thus, it produces clean, healthy, and efficient hot water while providing the utmost reliability. No compromise between health or efficiency.

Model iE6 pairs with up to 4 thermal batteries (Electron iB3) to provide hot water for large commercial and industrial applications.

**CO<sub>2</sub> Refrigerant** - Lowest impact on the environment with a Global Warming Potential (GWP) of 1, zero Ozone Depleting Potential (ODP) and better cold weather performance

**Easily Serviceable by Plumbers:** The iE6 consists of 6 individual heat slide-out pumps, each with its own controller and compressor. This allows for easy installation and serviceability by plumbers without any special HVAC tools or training.

**On Demand & Tankless** - Absorbs & stores energy from the air into a specially-designed thermal battery. This energy is used to heat water on-demand without any storage, thereby mitigating Legionella risks.



**iE6**  
Outdoor Installation

## KEY FEATURES

- ♦ **Plug & Play:** The iE6 connects with the thermal battery (Electron iB3) via a simple fluid connection
- ♦ **Ideal** for high-pressure, multi-storey buildings
- ♦ **Handles** tough hard-water scaling
- ♦ **Produces** hot water up to 170°F
- ♦ **Worry-free** 24/7 factory monitoring via telliCare messaging
- ♦ **Automatic** software updates over the air
- ♦ **Reliable:** The iE6's modular set-up provides 6x redundancy, thereby reducing downtime
- ♦ **Grid-enabled** via CTA-2045/JA-13/JA-14

## iE6 Specifications

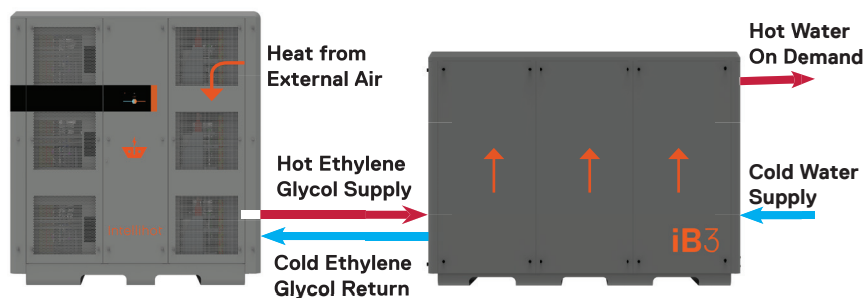
	iE6
Type	Outdoor, Floor Mounted
Power Source	Electric
Supply Voltage	208 VAC, 60 Hz (Three Phase)
Supply Current	Max 40 Amps (Minimum 50 Amp Breaker required)
Electrical Input	21.4 kW
Heating Output	Up to 300,000 BTU/h
COP	Up to 4.2
Compressor Type	Rotary
Safety Devices	Pressure Switch
Resistive Heating Elements	None
Ambient Installation Temperature	-10°F to 110°F
Air Flow Requirement	21,000 CFM
Outlet Water Temperature Range	100°F to 190°F
Temperature Stability	+/- 4°F
First Hour Rating†	154 Gallons
Connectivity	Cellular and Bluetooth
Operational Modes	Self-Balancing, Self-learning
Grid Connectivity	Via CTA-2045 module (customer supplied)/JA13/JA14
Refrigerant	R744, CO2 refrigerant
Cascading Protocol	Masterless, Up to 4 units
Noise Level	Up to 60 dBA
Domestic Heat Exchanger	NA
Energy Storage	Each iE6 can be paired with upto 4 iB3 (Thermal Battery)
Water Inlet & Outlet Connections	2" NPT Female
Thermal Fluid Inlet & Outlet Connections	-
Unit Dimensions H X W X D (Inches)	89 X 81.5X 33.5
Shipping Weight / Unit Weight	3300 lbs / 3100 lbs
Water Pressure Min / Max (PSIG)	-
<b>CLEARANCES</b>	
Back	24"
Front	24"
Top	8"
Sides	32"
Certifications *	Energy Star, UL 60355-2-40, CSA C22.2

Note: Due to Intellihot's Policy of continuous product improvements, design and technical specifications are subject to change without notice. Version 8.24

\* In Process

† Delivering 110°F to the fixtures

## HOW IT WORKS:



Intellihot

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