



The Electron-Model 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 air-source heat pump (Electron iE6) captures heat from the air and stores it in an innovatively designed thermal battery (Electron iB3). Domestic water is heated on-demand by using this energy. Thus, it produces clean, healthy, and efficient hot water.

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

Powered by CO₂ - 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.



iE6

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 cellular connectivity
- ◆ **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
- ◆ **On-Demand & Tankless:** Saves energy and mitigates Legionella risks

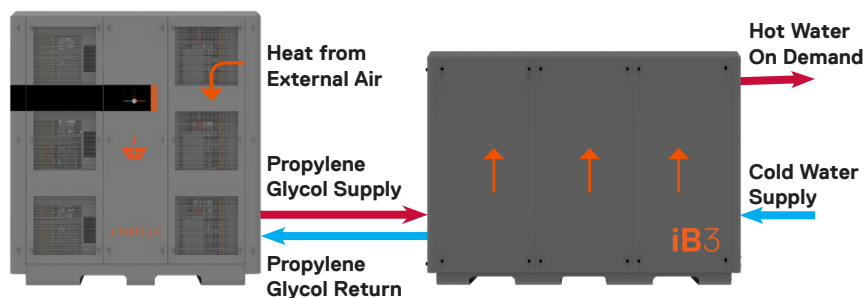
iE6 Specifications

Model:	iE6
Type	Outdoor, Floor Mounted
Power Source	Electric
Supply Voltage	208 VAC, 60 Hz 3 Phase
Supply Current	Max 60.7 Amps (Minimum 70 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
Supply Temperature Range	100°F to 190°F
Connectivity	Cellular
Operational Modes	Self-Balancing, Self-learning
Grid Connectivity	Via CTA-2045 module (customer supplied)/JA13/JA14
Refrigerant	R744, CO ₂ refrigerant
Noise Level	Up to 60 dBA
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
Supply/Return Pressure Min / Max (PSIG)	3/15
CLEARANCES	
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 3.01

* In Process

HOW IT WORKS:



Intellihot

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