



## iQ2001, Gen II

## HIGH-OUTPUT, INDOOR/OUTDOOR, ON-DEMAND WATER HEATER

### TECHNOLOGY OVERVIEW

Our iQ2001 floor-standing units deliver the highest capacity in the industry – up to 2 million BTUs – with no storage tanks required. Designed for very large volume, commercial applications, these high-input units slash capital costs by up to 50%, and decrease operational costs by up to 40%, when compared to traditional tank-type systems.

*iQ2001 delivers approximately 2.0 million BTU/hr*

### iQ2001 | KEY FEATURES

- ◆ **Masterless Cascading** – Up to three iQ2001 floor-standing units can be cascaded for unprecedented capacity up to 160 GPM at a 70°F rise. Eliminate single-point failure with our patented Masterless Cascading technology. If one unit is offline for servicing, all other units regroup and continue to operate.
- ◆ **Eliminate Mixing Valves & Lower Legionella Risks** – With no storage tanks, there's a lower risk for Legionella growth. By eliminating the need for mixing valves, this feature also reduces their associated unreliability and costs.
- ◆ **High Turndown Ratio** – With an industry leading turndown ratio, 66:1, our units provide unparalleled gas savings.
- ◆ **Compact Unit** – Featuring a 30" width and a 1225 lb. weight, iQ floor units fit through elevator doors and are ideal where space is at a premium.
- ◆ **Common Venting Capabilities** – Easily vent multiple iQ floor units with a common venting.
- ◆ **ASME-HLW Compliant** – Suitable for applications managed by engineers, specifiers and contractors.
- ◆ **Factory Supplied Strainer** – Units deliver debris-free inlet water to the system.

### APPLICATIONS

Hotels, Multi-Family Complexes, Sky-Rise and High-Rise Buildings, Stadiums



- ◆ **Touch-Screen** – Easily access daily, weekly, and monthly usage data, troubleshooting info, and longevity of parts via a large, intuitive touch-screen. Floor model units feature a 7" color touch-screen.
- ◆ **24/7 Factory Monitoring** – With telliCare 2.0, Intellihot water heaters are monitored remotely by the factory for efficient technical support assistance.
- ◆ **Reliable Alerts** – Get crucial alerts about your hot water system including warnings, parts replacement reminders, and monthly usage reports via text and email messages using telliCare messaging.

# iQ2001 Specifications

PARAMETERS	MODELS
	iQ2001
Type	Indoor/Outdoor, Floor Mounted, Condensing, Fully Modulating, On-Demand Water Heater
Fuel	Preset for NG / LP convertible
Minimum Input (BTU/hr)	30,000
Maximum Input (BTU/hr)	1,999,999
Maximum Output (BTU/hr)	1,879,999
Thermal Efficiency	96%
Turn Down Ratio (TDR)	66:1
Water Inlet / Outlet Connections	3" Headers with 7.5" OD Flange
Gas Inlet Connection	2" Gas Inlet With 6" OD Flange
Condensate Drain Connection	3/4" Flex PVC
Maximum Condensate Flow Rate (GPH)	14.4
Dimensions H X W X D (Inches)	67.7 X 30 X 60.4 (66 CU. FT)
Service Clearances	Required 24" on all sides, 32" in the front
Weight (LBS)	1225 LBS
Venting Type	Direct Vent (2 pipe - intake & exhaust), Power Vent (1 pipe - exhaust only)
Venting Materials (USA)	Sch. 40 PVC, Sch. 80 CPVC, Polypropylene, Stainless Steel (AL29-4C)
Venting Materials (Canada)	Type BH Gas Vent Classes: II A (PVC), II B (CPVC), II C (Polypropylene), I (AL 29-4C SS)
Vent Size (Diameter)	8" Ø
Max Vent Length - Single Pipe / Power Vent*	155 ft (8")
Max Vent Length - Two Pipe / Direct Vent*	75 ft (8")
* Venting Note: From the maximum lengths above, deduct 5 ft. per 90° elbow and 2 ft. per 45° elbow	
Ignition	Electronic Spark Ignition
Temperature Range	100°F – 190°F
Temperature Stability	+/- 4°F
Installation Location Ambient Temperature	40°F – 130°F
Safety	Flame Rod, Thermal Fuse, Overheat Prevention Device, Fan Speed Monitor, Flue Temperature Monitor, Blocked Vent Detector, Dual Flame Sensing
Water Pressure Min / Max (PSIG)	30 / 160
NG/LP - Min. Dynamic Gas Pressure (Full Fire)	NG = 2.5" WC LP= 8" WC (set Gas regulator to 8" WC for NG 11" WC for LP)
NG/LP - Maximum Static Gas Pressure	14" WC (set Gas regulator to 8" WC for NG 11" WC for LP)
Gas Pressure for Adjustments	8" WC for Natural Gas, 11" WC for Propane
Electrical	120V AC, 60 Hz
Power Consumption	2 Circuits - Max 20 Amps (Per Circuit)
Internal Water Volume (gallons)	8
<b>Features</b>	<b>iQ2001</b>
High Turn Down	66:1
Built-In Redundancy	Multiple Heat Engines with Individual Control
Cascading	Masterless, 3 units, Automatic Rotation
Common Venting	Yes - up to 3 units
Heat Exchanger	Expandable, Stainless 316L
Listing	ETL (Z21.10.3 / CSA 4.3), ASME HLW
<b>Performance GPM</b>	<b>iQ2001</b>
Hot Water Capacity, 45F Rise (GPM)	83.9
Hot Water Capacity, 70F Rise (GPM)	54.0
Hot Water Capacity, 90F Rise (GPM)	42.0
Hot Water Capacity, 100F Rise (GPM)	37.8
Hot Water Capacity, 140F Rise (GPM)	27.0
<b>WARRANTY†</b>	
Basic Warranty (without StartUp)	Hex – 1 Year, Parts – 1 Year, Labor - None
Enhanced Warranty (with StartUp)	Hex – 10 Years, Parts – 2 Years, Labor - None
Labor Warranty (with Start Up & telliCare Connection)	Hex – 10 Years, Parts – 2 Years, Labor - 1 Year

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

† Heat Exchanger assembly (HEX) does not include, gas valve/blower assembly & sidecast. On 10 year | prorated after year 5. On 6 year | prorated after year 3. telliCare Service is free for one year. Start of warranty is: Per startup report or 2 months from date of manufacture. More specific warranty details can be found in 1/0 Manuals section 18.

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