



## iQ3001, Gen II

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



- **Wi-Fi Connectivity** – Using our mobile app remote access and real-time monitoring of your Gen II unit are made possible with the new Wi-Fi and 3G/4G connectivity feature. Each unit can be easily connected to your building's router or to Intellihot's internet hub.
- **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.
- **telliCare®** – telliCare is a Wi-Fi enabled, prognostics and predictive maintenance service for all Gen II iQ tankless water heaters. This monitoring service covers 100% parts and *is free for the first two years after the install date.*

### APPLICATIONS

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

### INDUSTRY BEST WARRANTY

10-Year Commercial HX Warranty

### TECHNOLOGY OVERVIEW

Our iQ3001 floor-standing units deliver the highest capacity in the industry – up to 3 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.

*iQ3001 delivers approximately 3.0 million BTU/hr*

### iQ3001 | KEY FEATURES

- **Masterless Cascading** – Up to two iQ3001 floor 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, 100:1, our units provide unparalleled gas savings.
- **Compact Unit** – Featuring a 30" width and a 1645 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.

# iQ3001 Specifications

PARAMETERS	MODELS
	iQ3001
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)	3,001,000
Maximum Output (BTU/hr)	2,820,940
Thermal Efficiency	94%
Turn Down Ratio (TDR)	100:1
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)	21.6
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)	1645 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*	70 ft (8")
Max Vent Length - Two Pipe / Direct Vent*	35 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 30 Amps (Per Circuit)
Internal Water Volume (gallons)	12
Features	iQ3001
High Turn Down	100:1
Built-In Redundancy	Multiple Heat Engines with Individual Control
Cascading	Masterless, 2 units, Automatic Rotation
Common Venting	Yes - up to 2 units
Heat Exchanger	Expandable, Stainless 316L
Listing	ETL (Z21.10.3 / CSA 4.3), ASME HLW
Performance GPM	iQ3001
Hot Water Capacity, 45F Rise (GPM)	125.9
Hot Water Capacity, 70F Rise (GPM)	80.9
Hot Water Capacity, 90F Rise (GPM)	62.9
Hot Water Capacity, 100F Rise (GPM)	56.9
Hot Water Capacity, 140F Rise (GPM)	40.5
Warranty (with recirculation, and unlimited thermal cycles)	Heat Exchanger Coil – 10 years, All Other Parts – 2 years

Note: Due to Intellihot's policy of continuous product improvements, design and technical specifications are subject to change without notice. Version 3.2/4



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