



Intellihot

Endless water. Zero waste.™

COMMERCIAL

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.

Designed in the heartland. Built for the world.™

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) | 2.5" WC (3/4" non-corrugated, black iron) |
| NG/LP - Maximum Static Gas Pressure | 14" WC |
| Gas Pressure for Adjustments | 8" WC for NG, 11" WC for LP |
| 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) | 125.9 |
| Hot Water Capacity (70F Rise) | 80.9 |
| Hot Water Capacity (90F Rise) | 62.9 |
| Hot Water Capacity (100F Rise) | 56.9 |
| Hot Water Capacity (140F Rise) | 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 7.20



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