Commercial Tankless iQ1501, Gen II Submittal Data

Date:	Bid Date:	
Project Name:	Fuel Type:	Natural Gas Propane
Project #:	Factory Option:	iNTouch-BMS
City State Zip:	Factory Option:	Propane Setup
Engineer:		
Contractor:		

		Temperature Rise (ΔT)°F					
	40	50	60	70	80	90	100
Flow (GPM)	72.3**	57.9**	48.2**	41.3	36.2	32.1	28.9



(IS) 5 4 3 2 1 0 5 10 15 20 25 30 35 40 45 50

PRESSURE DROP VS. FLOW RATE

KEY FEATURES

 6 Weldless 316L Stainless Steel Heat Exchangers with Individual Controls for Masterless Cascading

Flow Rate (GPM)

- ASME-HLW Compliant | Designed & Built in the U.S.
- · Factory monitoring via telliCare messaging.
- Turn Down Ratio 50:1 per Unit, Cascade Up to 4 Units for 200:1 Turndown



** These flow rates are intermittent, not continuous flow rates. Please refer to section 3.6 in the I/O Manuals.

iQ1501 Short Spec & Accessories

The water heater shall be a direct fired tankless, fully condensing, water-tube design. The power burner shall have full modulation. The minimum firing rate shall not exceed 30,000 BTU/HR. The heat exchanger shall be constructed with 316L stainless steel helical water tube and be fully floating with no welded joints. The water heater control system shall incorporate onboard multi-unit sequencing logic that would allow masterless cascading without the need for a master controller. The heat exchangers shall sequence between each other, operating in parallel to meet the load. Each heat exchanger will default to individual control upon failure of the sequencing chain. Changes to operational parameters on any one of the heat exchangers will automatically adjust all other heat exchangers to the most recent parameter change. The water heater shall utilize a low loss header design that utilizes an internal pump and heat exchanger bypass to reduce pressure drop through the vessel.

Recommended Accessories iQ1501:

1. Condensate Neutralizer Kit

This condensate is acidic, with a pH level between 3 and 4. Local building codes apply for an in-line neutralizer to be installed (not included) to treat this water.

2. Outdoor Installation Kit

3. iBMS BacNET

Intellihot's iNTouch BMS has three unique features that are not available in any other BMS in the industry.

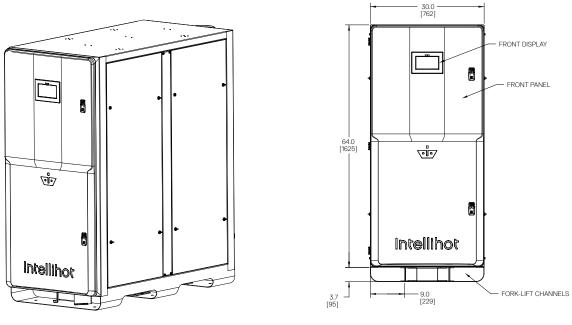
- External Pump Power Powers building recirculation.
- Remote Setpoint Allows the temperature to be set remotely via a 0-10 VDC or 4-20mA signal.
- Alarm Buzzes if it detects anything wrong with any of the components it is connected to, and communicates the appropriate error codes so that the user knows which component needs attention.

iQ1501 Specifications

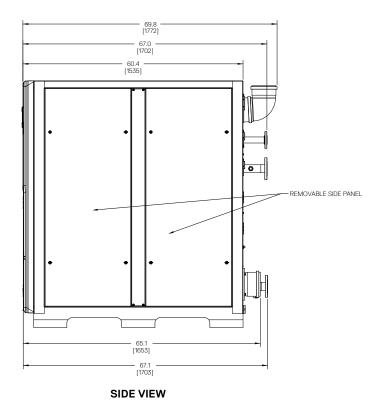
Interval Interval (Interval Contensor, Full Workslam), Dr-Beneral Water Hearer Fael Interval (Interval Contensor, Full Workslam), Dr-Beneral Water Hearer Fael Faster to NG / LP convention Meanum Oppit (ETU/h) X0000 Meanum Oppit (ETU/h) 104000 San Into Concention 21 Headers with 700 Elings Gas Into Concention 1047 East Into With 4.56° CO Fange Meanum Concention 0.077.X30 X80.406.0000 Water Toppit (WX D) (MWX D) (MWX D) 0.072.X30 X80.406.00000 Service Concention 0.072.X30 X80.406.00000 Service Concention 0.072.X30 X80.406.0000000 Water Toppit (WX D) (MWX	PARAMETERS	MODELS		
Call Preset for NA2 / Piconvertion Marinam Inget (ETU/hr) 1.0000 Main Turbus (ETU/hr) 1.0000 Main Turbus (ETU/hr) 1.0000 Main Turbus (ETU/hr) 0.000 Main Turbus (ETU/hr) 0.000 Start Ints / Collar Consiston 2.1* Houdons with 5° CO Fungu Gain Ints Consiston 0.44* Hour MV-4.50* CO Fungu Gain Ints Consiston 0.44* Hour MV-6.5 Main Turbus (ETU/hr) 0.8 Service Discontinuo 0.47 Hour MV-6.5 Main Turbus (ETU/hr) 0.8 Service Discontinuo 0.8 Main Turbus (ETU/hr) 0.8 </th <th></th> <th colspan="3">iQ1501, Gen II</th>		iQ1501, Gen II		
Weinsminion (H1/I/h) 40.000 Meanman (Appl. (B11/I/h) 1.440.860 Itemat Touriesy 89% Turn Down Radie (TGP) 0.31 Wain Hard, Youkis Consultion 2"Heuders with 6" CO Flange Condensate Dam Connection 1.447 Aug Bainet Connection 1.447 Aug Condensate Dam Connection 3.447 Paie PinC Meanum Condensate Tow Ren (CPI) 0.83 Unit Dam Radie Tow Ren (CPI) 0.84 Unit Means Tow Ren (CPI) 0.84 Unit Means Tow Ren (CPI) 0.84 Shapping Coup Itemations HX WX D (Volge) Unit Classes & data the front Weintig Materials (CRA) Sch. 40 FW2, Sch. 40 CPC), 110 (CPC-VC), 110 (CP	Туре	Indoor/Outdoor, Floor Mounted, Condensing, Fully Modulating, On-Demand Water Heater		
Mainum Dayi (19(17h)) 1,91000 Mainum Dayi (19(17h)) 1,240,800 Thermal Ethensy 86% Lim Dom Hable (LDA) 501 Contrains Ethensy 86% Lim Dom Hable (LDA) 501 Contrains Ethenson 1,247 Contrains Ethen Solid 27 Mainum Conduisate New Role (GM-P) 308 Ut Dimovisor At WX DD (Pches) 87/4 Files (Pub) Service Caerances Recommed 24" on all soles, 32" in the nort Ut Dimovisor At WX DD (Pches) 87/4 X 88 (de CU - 1) Service Caerances 1025 EthE Service Caerances 1026 EthE Verifigitig Lipsic 1026 Ethe Verifigitig Lipsic 1026 Ethe Verifigitig Lipsic 1026 Ethe Verifigitig Lipsic 1027 Ethe Verifigitig Lipsic 1027 Ethe Verifigitig Lipsic 102 Ethe Verifigitig Lipsic 102 Ethe Verifigitigitigitigitigitigitigitigitigitig	Fuel	Preset for NG / LP convertible		
Meanurum Control Q1U/Un) 1.440,980 Thermal Efficiency 90% Inno Dwin Robit (10R) 2.14 doubt with 9.45/81 CD Hangu Generation 1.447 Case Intel With 4-5/81 CD Flangu Conditionation 1.447 Case Intel With 4-5/81 CD Flangu Generation 1.447 Case Intel With 4-5/81 CD Flangu Conditionation FOW Rate (CPH) 10.8 Unre Norwasco H X W XD (Nohes) 60.7 X.30 X 80.4 (06 Cu, TP) Straine Clearance Recemment 247 on al 486.0, 321 in the front Unre Norwasco H X W XD (Nohes) Bitspring Cruss Einstrands Straine Clearance Recemment 247 on al 486.0, 321 in the front Unre Norwasco H XW XD (Nohes) Direct Vent (2 ppr - instra & softward, Norwo Vent (1 ppr - instrand	Minimum Input (BTU/hr)	30,000		
Thema Filteson 99% Tam Down Rate (TDR) 501 Star Inter / Correction 2"Heades with 6" CO Plange Gas Inter Vorter Connection 3/4" Fast with 6" CO Plange Case Inter Vorter Connection 3/4" Fast with 6" CO Plange Case Inter Connection 3/4" Fast with 6" CO Plange Condrasts Div Rate (CPH) 0.8 With Thermations RAT W X D (Inclus) 6/7.4.20,820,820 (EQ CU F.1.) Service Observoes Recommend 24" on al sides. 32" Into Front Service Observoes Recommend 24" on al sides. 32" Into Front Variant Maxerials (LBA) B/2.4.7.X30,820,820 (EQ CU F.1.) Service Observoes Recommend 24" on al sides. 32" Into Front Variant Maxerials (Canad) Type BH Gas Vent Classes: IIA (PVC). III C (Physiciny) / Fo67 (LBS) Venting Maxerials (Canad) Type BH Gas Vent Classes: IIA (PVC). III C (Physiciny) / Fo67 (LBS) Venting Maxerials (Canad) Type BH Gas Vent Classes: IIA (PVC). III C (Physiciny) / Fo67 (LBS) Venting Maxerials (Canad) Type BH Gas Vent Classes: IIA (PVC). III C (Physiciny) / Fo7 Maxerial Largth - Twe Pape / Draver Vent* 65 ft (G') Timpeature Rate (LBRa) Draver Classes Mando Start Monter, Fast Topeature Ared For <td>Maximum Input (BTU/hr)</td> <td>1,501,000</td>	Maximum Input (BTU/hr)	1,501,000		
Tun Dam Parts (TDP) 501 Water Inter / Outlet Connections 2* Headers with 6* 0D Brage Gendematic Connection 1.4/4* Gea Inst With 4-5/8* 0D Brage Gendematic Data Connection 6.7 X 30 X 80.4 (66 OL FT) Status 502 X 100 X	Maximum Output (BTU/hr)	1,440,960		
Water Multer Auflet / Auf	Thermal Efficiency	96%		
Sai bild, Connection 1-1/4" Gas hirk WUH 4-5/P" QD Flange Condensate Dran Connection 3-4" Flax PVC Condensate Dran Connection 3-4" Flax PVC Unit Dimensions HX WX D (rchnes) 67.7 X 30 X 604 (66 CU FT) Services Colearnood Recommend 24" on alliables, 22" in the front Unit Winnescher HX WX D / Weight 97.4 7 X 80 (rchnes) Spring Charle Dimensions HX WX D / Weight Bitcommend 24" on alliables, 22" in the front Variating Materials (Canada) Type BH Gas Vert Clappe - Instake & extracas), Power Vent (1 pipe - extracts of (2 AL-C) Variating Materials (Canada) Type BH Gas Vert Classes (1 A (PVC), El (PVC), D1 C (PtS)propring, 1 (AL-22 A-C) Variating Materials (Canada) Type BH Gas Vert Classes (1 A (PVC), El (PVC), D1 C (PtS)propring, 1 (AL-22 A-C) Variating Materials (Canada) Type BH Gas Vert Classes (1 A (PVC), El (PVC), D1 C (PtS)propring, 1 (AL-22 A-C) Variating Materials Type BH Gas Vert Classes (1 A (PVC), El (PVC), D1 C (PtS)propring, 1 (AL-22 A-C) Variating Materials Type BH Gas Vert Classes (1 A (PVC), El (PVC), D1 C (PtS)propring, 1 (AL-22 A-C) Variating Materials Type BH Gas Vert Classes (1 A (PVC), El (PVC), D1 C (PtS)propring, 1 (AL-22 A-C) Tomporating Station Station Type BH Gas Vert Classes (1 A (PVC), El (PVC), D1 C (PtS)propring, 1 (AL-22 A-C) Tomporating Station Station Type BH Gas Vert Classes (1 A (PVC), El (P) (PVC) PLC) PLC) Tomporating Statio	Turn Down Ratio (TDR)	50:1		
Condensate Dain Connection 3/4" Flac PVC Meanum Condensate Flow Refe (CPH) 10.8 Uit Domession FL W X D (inches) 6.7 X 83 X 80 / (66 CU. FT) Service Scharances Recommund 24" on all sides, 3/2" in the fond. Uit Wagni (LIS) 10.2 LIS Shipping Crate Dimensions H X W X D / Weight 0.7 X 83 X 80 / (66 CU. FT) Service Scharances Environment 24" on all sides, 3/2" in the fond. Venting Materials (Canad) Type BH Gas Vent Classes: II A (PVC), II B (CPVC), II C (Polynopytens), I (AL 29 4C SS) Venting Materials (Canad) Type BH Gas Vent Classes: II A (PVC), II B (CPVC), II C (Polynopytens), I (AL 29 4C SS) Venting Materials (Canad) Type BH Gas Vent Classes: II A (PVC), II B (CPVC), II C (Polynopytens), I (AL 29 4C SS) Vent Size (Demonsor) 6" 0 Max Vent Longth - Two Pipe / Dravet Vent* 35 ft; (C) * Venting Note: From the meanume lengths above, deduct 5 ft; per S0 ^a Blow and 2 ft; per 40 ^a Blow String * Venting Note: From the meanume lengths above, deduct 5 ft; per S0 ^a Blow and 2 ft; per 40 ^a Blow Mater Nessure Rongo 1000 ^a - 190 ^a Ft Tempostrue Rongo 1000 ^a - 190 ^a Ft String 8 ^a - 49 ^b NCJ P - Monzmanic Gas Pressure (IIII Freq)	Water Inlet / Outlet Connections	2" Headers with 6" OD Flange		
Maximum Condensate Flow Rete (GPH) 10.8 Unit: Diministore H-X W X D (Unitable) 67.7 X 30 X 80.4 (86 CU, FT) Service Clearances Recommend 24 roll as dess. 32" in the nont Unit: Weight (LBS) 10025 LBS Singling Cate Dimensione H-X W X D / Weight 97.7 X 30 X 80.4 (86 CU, FT) Ventring Mercines (LSRA) Sch. 40 PVC, Sch. 80 CPVC, Robyropytene, Stanless Steel (AL28-4C) Ventring Mercines (LSRA) Sch. 40 PVC, Sch. 80 CPVC, Robyropytene, Stanless Steel (AL28-4C) Ventring Mercines (LSRA) Type BH Gai Vent Cleases: II, A (PVC), II C (PVDyropytene), I(AI 28-4C SS) Ventring Mercines (LSRA) Sch. 40 PVC, Sch. 80 CPVC, Robyropytene), I(AI 28-4C SS) Ventring Mercines (LSRA) Sch. 40 PVC, Sch. 80 CPVC, Robyropytene), I(AI 28-4C SS) Ventring Mercines (LSRA) Sch. 40 PVC, Sch. 80 CPVC, Robyropytene), I(AI 28-4C SS) Ventring Mercines (LSRA) Sch. 40 PVC, Sch. 80 CPVC, Robyropytene), I(AI 28-4C SS) Ventring Mercines (LSRA) Sch. 40 PVC, Sch. 80 CPVC, Robyropytene), I(AI 28-4C SS) Ventring Mercines (LSRA) Sch. 40 PVC, Sch. 80 CPVC, Robyropytene), I(AI 28-4C SS) Ventring Mercines (LSRA) Sch. 40 PVC, Sch. 80 CPVC, Robyropytene), I(AI 28-4C SS) Ventring Mercines (Sch. 100 Cort 10) Sch. 40 Cort 10, Sch. 100 Cort 10, Sch. 100 Co	Gas Inlet Connection	1-1/4" Gas Inlet With 4-5/8" OD Flange		
Unit Dimensione HX WX D (inches) 67.7 X 30 X 604.06 (20.1 Ft) Sarvise Clearances Recommed 24" on all sides. 30" in the front Unit Weight (LSS) Recommed 24" on all sides. 30" in the front Shipping Criste Dimensione HX WX D / Weight 87.7 X 30 X 604.06 (80 K). Vering Type Dimet Vering (1) (ppe - nitiles & enhance). Vering Type Dimet Vering (1) (ppe - nitiles & enhance). Vering Type Dimet Vering (1) (ppe - nitiles & enhance). Vering Type Typo BH Gas Verint Cleases: IA (PVC), II C (PVDyropylerup), I (AL 29-4C S). Vering Type For O Max Verint Langth - Two Piez / Discut Verint X 55 ft (6") Max Verint Langth - Two Piez / Discut Verint X 55 ft (6") Max Verint Langth - Two Piez / Discut Verint X 55 ft (6") Important Langth - Two Piez / Discut Verint X 55 ft (6") Important Langth - Two Piez / Discut Verint X 55 ft (6") Important Langth - Two Piez / Discut Verint X 55 ft (6") Important Langth - Two Piez / Discut Verint X 55 ft (6") Important Langth - Two Piez / Discut Verint X 55 ft (6") Important Verint Verint Piez / Pi	Condensate Drain Connection	3/4" Flex PVC		
Service Occurrences Recommend 24" on al sets, 32" in the front Unit Weight (LBS) 1025 LBS Shoping Caste Dimensions HX WX D / Weight DirX 47X 85 (Inches) / 1557 (LBS) Venting Misterials (USA) Sch. 40 PV C, Sch. 80 CPVC, 91 C (Polycopylene, Straines Stell (AL2=4-C) Venting Misterials (Canada) Type BH Ges Vent Classes: II A (PVC), II E (Polycopylene, Straines Stell (AL2=4-C) Venting Misterials (Canada) Type BH Ges Vent Classes: II A (PVC), II E (Polycopylene), 1 (AL 2=4-C SS) Vent Ising Hige / Power Vent* 65 fd (7) Max Vent Length - Two Fipe / Dever Vent* 56 ft (67) * Venting Note: From the maximum lengths above, deduct 5 ft, per 90° elbow and 2 ft, per 40° elbow Ignition Electronic Spark (policin Temperature Range 1000 F - 1000 F Temperature Range 1000 F - 1000 F Temperature Range 1000 F - 1000 F Itemperature Range 1000 F - 1000 F Satesty Satest V Water Pressure Min / Max (PSIG) 30 / 160 Water Pressure Min / Max (Sate Ell/Um rote fatta 0 Moto Motol Ms rbau) T NG/L-P - Min Umart Gas Pressure (Full Fine) NG = 25' WC)LP = 6'' WC (set Gas regulator 16'' WC for NG 11'' WC for LP)	Maximum Condensate Flow Rate (GPH)	10.8		
Unit Weight (LBS) 1025 LBS Sheping Crate Dimensions H X W X D / Weight B7 X47 X 83 (Inches) / 1567 (LBS) Venting Type Direct Vent (2 ppe - Intake 8 schwast), Power Vent (1 ppe - exhaust only) Venting Type Direct Vent (2 ppe - Intake 8 schwast), Power Vent (1 ppe - exhaust only) Venting Meteriels (USA) Sch. 40 PVC, Sch. 80 CPVC, Pelyropyten, Stankes Steel (4.28-4C) Venting Type 0 6 d Max Vent Length - Single Fipe / Power Vent* 66 ft (6') Max Vent Length - Two Pipe / Direct Vent* 66 ft (6') Max Vent Length - Two Pipe / Direct Vent* 66 ft (6') Max Vent Length - Two Pipe / Direct Vent* 66 ft (6') Max Vent Length - Two Pipe / Direct Vent* 66 ft (6') Imperature Renge 1000+ - 1000+ Temperature Stability -/-49F Interester Renge 1000+ Temperature Stability -/-49F Nitare Pressure Min / Max (PSIG) 30 / 160 Pressure State TEUT / Increating to Max Model Mer (poi) 16 - 2.5 WCLP - 8' WC (exit Gas regulator to 8''WC for LP) NG/LP - Maximum State Gas Pressure Grain MVC (exit Gas regulator to 8''WC for LP) NG/LP - Maximum State Gas Pressure Grain	Unit Dimensions H X W X D (Inches)	67.7 X 30 X 60.4 (66 CU. FT)		
Bhpping Cata Dimensions H X W X D / Weight 87 X 47 X 83 (Inckes / 1567 (LBS) Variting Type Direct Varit (2 pipe - Intake & advaust, Power Varit (1 pipe - eshaust only) Variting Mitteriels (Cancel) Sch. 40 PVC, Sch. 80 CPCV, Deparceptiene, Strainless Steel (AL2-4C SS) Variting Mitteriels (Cancel) Type BH Ges Vent Clesses: II A (PVC), II E (CPVC), II C (Potypropylene), I (AL 29-4C SS) Variting Mitteriels (Cancel) 179e BH Ges Vent Clesses: II A (PVC), II E (CPVC), II C (Potypropylene), I (AL 29-4C SS) Variting Mitteriels (Cancel) 179e BH Ges Vent Clesses: II A (PVC), II E (CPVC), II C (Potypropylene), I (AL 29-4C SS) Variting Mitteriels (Cancel) 179e BH Ges Vent Clesses: II A (PVC), II E (CPVC), II E (CPVC)	Service Clearances	Recommend 24" on all sides, 32" in the front		
Venting Type Direct Vent (2 pipe - intake & edualst), Power Vent (1 pipe - edualst only) Venting Materiak (USA) Sch. 40 PVC, Skh. 80 CPVC, Rykpropylene, Statilless State (AL 29-4C) Venting Materiak (USA) Sch. 40 PVC, Skh. 80 CPVC, Rykpropylene, Statilless State (AL 29-4C) Venting Materiak (USA) Type BH Beas Vent Classes: II.A (PVC), III (CPVC), III (CPVpopylene), I (AL 29-4C SS) Want State Classes: II.A (PVC), State Vent* 6° 0 Max Vent Length - Two Pipe / Direct Vent* 65 ft (6°) Max Vent Length - Two Pipe / Direct Vent* 55 ft (6°) * Venting Note: From the measmum lengths above, deduct 5 ft, per 00° abow and 2 ft, per 45° abow 100°F - 150°F Temperature Range 60°F - 150°F 100°F - 150°F Temperature Stability 4-4 4°F 100°F - 150°F Stately Fleme Rod, Thermal Fuse. Overheat Prevention Evoce. Earl Speed Montor: Flue Temperature Mont Biocked Vent Deletor: Data Fleme Sensing 30 / 160 Pressure Min / Max (PSIG) 30 / 160 30 / 160 Pressure Min / Max (PSIG) 30 / 160 100°F or NS 11° WC for LP) NGLPM. Dymanic Gae Pressure 14° WC (set Gas regulator to 8° WC for NS 11° WC for LP) NGLPMaximum State Gae Pressure 14° WC (set Gas regulator to 8° WC for NS 11° WC for LP)	Unit Weight (LBS)	1025 LBS		
Ventrig Meterials (USA) Sch. 40 PVC, Sch. 80 CPVC, Polypropylene, Stainless Steel (AL29-4C) Ventrig Meterials (Canada) Type BH Gas Vent Classes: II.A (IPVC), III C(Polypropylene), I(AL 29-4C) SS) Vent Size (Diamoniar) 6*0 Max Vent Langth - Single Pipe / Power Vent* 65 tr (6*) Max Vent Langth - Single Pipe / Drover Vent* 65 tr (6*) Max Vent Langth - Single Pipe / Drover Vent* 65 tr (6*) Max Vent Langth - Two Pipe / Drover Vent* 65 tr (6*) Max Vent Langth - Two Pipe / Drover Vent* 65 tr (6*) Max Vent Langth - Two Pipe / Drover Vent* 65 tr (6*) Imperature Range 1000F - 1300F Temperature Stability -4 4 9* Interlation Location Ambient Temperature 400F - 300F Safety Safety Water Pressure Min / Max (PSIG) T NG/L P - Min. Dynamic Gas Pressure (Full Fire) NG = 2.5* WC: IP = 8* WC (set Gas regulator to 8* WC for NG tr WC for LP) NG/L P - Min. Dynamic Gas Pressure (Full Fire) NG = 2.5* WC: IP = 8* WC (set Gas regulator to 8* WC for NG tr WC for LP) NG/L P - Maximum State Gas Pressure (Full Fire) NG = 2.5* WC: IP = 8* WC (set Gas regulator to 8* WC for NG tr WC for LP) MGs Padatory Pressure State 14*	Shipping Crate Dimensions H X W X D / Weight	87 X 47 X 83 (Inches) / 1567 (LBS)		
Ventrig Meterials (USA) Sch. 40 PVC, Sch. 80 CPVC, Polypropylene, Stainless Steel (AL29-4C) Ventrig Meterials (Canada) Type BH Gas Vent Classes: II.A (IPVC), III C(Polypropylene), I(AL 29-4C) SS) Vent Size (Diamoniar) 6*0 Max Vent Langth - Single Pipe / Power Vent* 65 tr (6*) Max Vent Langth - Single Pipe / Drover Vent* 65 tr (6*) Max Vent Langth - Single Pipe / Drover Vent* 65 tr (6*) Max Vent Langth - Two Pipe / Drover Vent* 65 tr (6*) Max Vent Langth - Two Pipe / Drover Vent* 65 tr (6*) Max Vent Langth - Two Pipe / Drover Vent* 65 tr (6*) Imperature Range 1000F - 1300F Temperature Stability -4 4 9* Interlation Location Ambient Temperature 400F - 300F Safety Safety Water Pressure Min / Max (PSIG) T NG/L P - Min. Dynamic Gas Pressure (Full Fire) NG = 2.5* WC: IP = 8* WC (set Gas regulator to 8* WC for NG tr WC for LP) NG/L P - Min. Dynamic Gas Pressure (Full Fire) NG = 2.5* WC: IP = 8* WC (set Gas regulator to 8* WC for NG tr WC for LP) NG/L P - Maximum State Gas Pressure (Full Fire) NG = 2.5* WC: IP = 8* WC (set Gas regulator to 8* WC for NG tr WC for LP) MGs Padatory Pressure State 14*	Venting Type	Direct Vent (2 pipe - intake & exhaust), Power Vent (1 pipe - exhaust only)		
Ventig Materials (Canada) Type BH Gas Vent Classes: II A (PVC), II B (CPVC), II C (Polyproplane), I (AL 29-4C SS) Vent Size (Diemeter) 6 ° 0 Max Vent Langth - Two Pipe / Direct Vent* 55 ft (G ⁻) * Vent Signe Ppe / Power Vent* 9 ° elbow and 21, per 45° elbow (grintion * Venting Note: From the maximum lengths above, deduct 5 ft, per 90° elbow and 21, per 45° elbow (grintion Electronic Spark (grintion) Temperature Stability +/- 4PF Installation Ambient Temperature 40°F - 130°F Sefety Flame Rod. Thermal Fuse, Overheat Prevention Daviso, Fan Speed Montor, Flue Temperature Mont Blocked Vent Detector, Duel Teme Sensing Water Pressure Min / Max (PSIG) 30 / 180 Pressure Nation / Max (PSIG) 30 / 180 Pressure Nation / Max (PSIG) 10° * 2.5° WC (pr 4 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) NG/LP - Maximum Static Gas Pressure 10° KC or Natural Gas, 11° WC for CP) Res Regulator Pressure Set To 100 KC no Natural Gas, 11° WC for CP) Base Regulator Pressure Set To 6 Features 100 KC no Natural Gas, 11° WC for CP) Mareral Water				
Vent Size (Diemeter) 6° 0 Max Vent Langth - Single Pipe / Power Vent* 65° 10 Max Vent Langth - Two Pipe / Dever Vent* 55 ft (6°) * Venting Note: From the maximum lengths above, deduct 5 ft. per 50° elbow and 2 ft. per 45° elbow Importation Electronic Spark ignition Temperature Range 100°F - 100°F Temperature Range 40°F - 100°F Installation Location Ambient Temperature 40°F - 103°F Venter Pressure Min / Max (PSIG) Flame Rod, Thermal Fuse, Overheat Prevention Device, Fan Speed Monitor, Flue Temperature Mont Blocked Vent Detector, Dual Flame Sensing Water Pressure Min / Max (PSIG) 1° Nord-P - Min: Dynamic Gas Pressure (Full File) NG = 2.5° WCLP = 8° WC (set Gas regulator to 8° WC for NG 11° WC for LP) NG/LP - Mainty Max (State Gas Pressure (Full File) NG = 2.5° WCLP = 8° WC (set Gas regulator to 8° WC for NG 11° WC for LP) Gas Regulator Pressure Set To 8° WC for Natural Gas, 11° WC for LP) Gas Regulator Pressure Set To 8° WC for Natural Gas, 11° WC for LP) Gas Regulator Pressure Set To 8° WC for Natural Gas, 11° WC for LP) Built-In Redundancy Max 29 Amps, 48W (Standby) Internal Weter Volume (gallons) 6 Features 101001, Gen II High Turn Down 501 Built-In Redundancy Matteple Heat Engresse Stanless Stell List				
Max Vent Length - Šingle Pipe / Direct Vent* 65 ft (6') * Venting Note: From the maximum lengths above, deduct 5 ft. per 40° elbow ignition Electronic Spark (gnition) Temperature Range 100°F - 130°F Temperature Stability +/-40°F Installation Location Ambient Temperature 40°F - 130°F Safety Flame Rod. Thermal Fuse, Overheat Prevention Device, Fan Speed Monitor, Flue Temperature Mont Blocked Vent Detector, Duel Piane Sensing Water Pressure Min / Max (PSIG) 30 / 180 Presure Bater Vake (Seat STU/riv front future to Match Model Mee Inpu) ft NG/LP - M. Dynamic Gas Pressure (Full Fire) NG = 2.5° WCLP= 8' WC (set Gas regulator to 8' WC for NG 11' WC for LP) NG/LP - Maximum Static Gas Pressure (Full Fire) NG = 2.5° WCLP = 8' WC (set Gas regulator to 8' WC for NG 11' WC for LP) NG/LP - Maximum Static Gas Pressure (Full Fire) NG = 2.5° WCLP = 8' WC (set Gas regulator to 8' WC for NG 11' WC for LP) NG/LP - Maximum Static Gas Pressure (Full Fire) NG = 2.5° WCLP = 8' WC (set Gas regulator to 8' WC for NG 11' WC for LP) NG/LP - Maximum Static Gas Pressure (Full Fire) NG = 2.5° WCLP = 8' WC (set Gas regulator to 8' WC for NG 11' WC for LP) NG/LP - Moximum Static Gas Pressure (Full Fire) NG = 2.5° WCLP = 8' WC (set Gas regulator to 8' WC for NG 11' WC for LP) NG/LP - Moximum Static Gas Pressure (Full Fire) NG = 2.5° WCLP = 8' WC (set Gas regulator to 8' WC for NG 11' WC for LP) NG				
Max Vent Length - Two Pipe / Direct Vent* 35 ft (6') * Venting Note: From the maximum lengths above, deduct 5 ft, per 90° elbow and 2 ft, per 45° elbow (prition Electronic Spark (prition) Temperature Range 1009F - 190°F Temperature Stability + 4.40F Installation Location Ambient Temperature 400F - 130°F Safety Flame Rod, Thermal Fuse, Overheet Prevention Device, Fan Speed Monitor, Flue Temperature Monit Elocked Vent Elocator, Dual Pane Sonang Water Pressure Min / Max (PSIG) 30 / 160 Pressure Min / Max (PSIG) 30 / 160 Pressure Min / Max (PSIG) 30 / 160 Pressure Min / Max (PSIG) NG = 25° WC; LP- 8° WC (see Gas regulator to 8° WC for NG 11° WC for LP) NG/LP - Maximum Static Gas Pressure (Full Frei) NG = 25° WC; LP- 8° WC (see Gas regulator to 8° WC for NG 11° WC for LP) NG/LP - Naturn Static Gas Pressure (Full Frei) NG = 25° WC; LP- 8° WC (see Gas regulator to 8° WC for NG 11° WC tor LP) NG/LP - Naturn Static Gas Pressure (Full Frei) NG = 25° WC; LP - 8° WC (see Gas regulator to 8° WC for NG 11° WC tor LP) NG/LP - Naturn Static Gas Pressure (Full Frei) NG = 25° WC; LP - 8° WC (see Gas regulator to 8° WC for NG 11° WC tor LP) NG/LP - Naturn Static Gas Pressure (Full Frei) Nd = 206 Dever Consumption Max 29A Amps, 4@W (StandBy) Internal Water Volume (galons) 6 Features Gal501,				
* 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 1000 F - 1300 F Temperature Range 4.2 49 F Installation Location Ambient Temperature 4.000 F - 1300 F Safety Flame Rod, Thermal Fuse, Overheat Prevention Device, Ean Spaad Monitor, Fue Temperature Monit Blocked Vent Detector, Duel Flame Sensing Water Pressure Min / Max (PSIG) 30 / 160 Presser Net/ Wake (State TU/h involution Hange to Molitor King) 1" 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 (Full Fire) NG = 2.5" WC;LP - 8" WC (set Gas regulator to 8" WC for NG 11" WC for LP) NGA P - Maximum Static Gas Pressure Static 8" WC for Natural Gas, 11" WC for CIP) Gas Regulator Pressure Static 120V AC, 60 Hz Power Consumption Max 29 Amps, 48W (Standby) Internal Water Volume (galons) 6 Features 120V AC, 60 Hz Consumption Max 29 Amps, 48W (Standby) Internal Water Volume (galons) 6 Gas Regulator Pressure Static 120V AC, 60 Hz Consumption Max 29 Amps, 48W (Standby) </td <td>0 0 1</td> <td></td>	0 0 1			
ignition Electronic Spark lignition Temperature Range 100 PF - 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 Monit Blocked Vent Detector, Dual Flame Sensing Water Pressure Min / Max (PSIG) 30 / 160 Preaser Bailv Valve (sket: BTU/hr ippu Rating to Much Model Max Ippu) 1° NG/L P - 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/L P - Main: Dramic Gas Pressure (Full Fire) NG = 2.5° WC; Cest Gas regulator to 8° WC for NG 11° WC for LP) NG/L P - Main: Dramic Gas Pressure (Full Fire) NG = 2.5° WC; Cest Gas regulator to 8° WC for NG 11° WC for LP) NG/L P - Main: Dramic Gas Pressure (Full Fire) NG = 2.5° WC; Cest Gas regulator to 8° WC for NG 11° WC for LP) NG/L P - Main: Dramic Gas Pressure (Full Fire) NG = 2.5° WC; Cest Gas regulator to 8° WC for NG 11° WC for LP) NG/L P - Main: Dramic Gas Pressure (Full Fire) NG = 2.5° WC; Cest Gas regulator to 8° WC for NG 11° WC for LP) More To Pressure Static 8° WC for Natural Gas, 11° WC for CP) Gas Regulator Pressure Static 80 Hot Motion Flaw (Static BC) Internal Water Volume (gallons) 6	5			
Temperature Range 100°F - 190°F Temperature Stability +/.4 °PF Installation Location Ambient Temperature 40°F - 130°F Safety Hame Rod, Thermal Fuse, Overheast Prevention Device, Fan Speed Monitor, File Temperature Monit Blocked Varks (PSIG) Watter Pressure Min / Max (PSIG) 30 / 160 Pressure Rider Varke (Satest BTU/hr Input Rating to Match Model Max Input) 1" NG/LP - Min. Dynamic Gase Pressure (Full File) NG = 2.5° WC; LP = 8° WC (set Gas regulator to 8° WC for NG 11° WC for LP) NG/LP - Min. Dynamic Gase Pressure 14° WC (set Gas regulator to 8° WC for NG 11° WC for LP) Gas Regulator Pressure Set To 8° WC for Natural Gas, 11° WC for LP) Gas Regulator Pressure Set To 8° WC for Natural Gas, 11° WC for LP) Gas Regulator Pressure Set To 8° WC for Natural Gas, 11° WC for LP) Gas Regulator Pressure Set To 8° WC for Natural Gas, 11° WC for LP) Gas Regulator Pressure Set To 8° WC for Natural Gas, 11° WC for LP) Gas Regulator Pressure Set To 8° WC for Natural Gas, 11° WC for LP) Gas Regulator Pressure Set To 8° WC for Natural Gas, 11° WC for LP) Built-In Redundancy 10° K00 (Set Gas regulator to Set To So To Built-In Redundancy Matsteatest Topingers /	0			
Temperature Stability +/- 49F Installation Location Ambient Temperature 40°F – 150°F Safety Flame Rod, Thermal Fuse, Overheat Prevention Device, Fan Speed Monitor, Flue Temperature Monit Blocked Vent Detector, Dual Flame Sensing Water Pressure Min / Max (PSIG) 30 / 160 Pressure Relative Vave (Selct 81'U/hr input Ratry to Match Model Max Input) 1" NC/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) Gas Regulator Pressure Set To 8" WG for Natural Gas, 11" WC for Propane Electrical 120V AC, 60 Hz Power Consumption Max 29 Anps, 48W (Standby) Internal Water Volume (gallons) 6 Features 101000 High Tum Down 50:1 Built-In Redundancy Multiple Heat Engines w/ Individual Control Carding Expandable, Stainless 316L Listing ETL (2210.3 / CSA 4.3), ASME HLW, AHRI Performance GPM 101501, Gen II Hot Water Capacity, 45F Rise (GPM) 64.3** Hot Water Capacity, 100F Rise (GPM) 64.3** Hot Water Capacity, 100F Rise (GPM) 62.3* Hot Water Capacity, 100F Rise (GPM) 28.9 Hot Water				
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Safety Flame Rod, Thermal Fuse, Overheat Prevention Device, Fan Speed Monitor, Flue Temperature Monit Biocked Vent Detector, Dual Flame Sensing Water Pressure Min / Max (PSIG) 30 / 160 Pressure Relet Vake (Selet STU/hr Input Reting to Match Model Max Input) 1" 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 (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 (Full Fire) NG = 2.5" WC;LP = 8" WC for NG 11" WC for LP) Gas Regulator Pressure Set To 8" WC for Nutral Gas, 11" WC for Propane Electrical 120V AC, 60 Hz Power Consumption Max 29 Anps, 48W (Standby) Internal Water Volume (galons) 6 Features 161501, Gen II High Turn Down 50:1 Built-In Redundancy Multiple Heat Engines w/ Individual Control Cascading Cascading Common Venting Fer -up to 4 units Heat Exchanger Expandable, Stamless 318L Listing ETL (221.0.3 / CSA 4.3), ASME HLW, AHRI Performance GPM 161501, Gen II Hot Water Capacity, 30F Rise (GPM) 41.3 Hot Water Capacity, 30F Rise (GPM) 20.7 WARRANTY† 1601501, Gen II Basic Wa				
Safety Blocked Vent Detector, Dual Flame Sensing Water Pressure Min / Max (PSIG) 30 / 160 Pressure Ruler Value (Selict BTU/hr Ipurt Ruting to Murch Modal Max Ipurt) 1 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 Regulator Pressure Set To 8" WC for Natural Gas, 11" WC for Propane Electrical 120V AC, 60 Hz Power Consumption Max 29 Amps, 48W (Standby) Internal Water Volume (gallons) 6 Features IMD / Max (Standby) Internal Water Volume (gallons) 0 Gas Regulator Pressure All (Standby) 1 Internal Water Volume (gallons) 6 Features IMD / Max 29 Amps, 48W (Standby) Internal Water Volume (gallons) 6 Statistical Exchanger IMD / Max 29 Amps, 48W (Standby) Built-In Redundancy Multiple Heat Engines w/ Individual Control Cascading Masterless, 4 units, Automatic Rotation Common Venting FET (Z21.03 / CSA 4.3), ASM HL W, AHRI Performance GPM	· · · ·			
Pressure Relet Vake (Select BTU/r Input Rating to Match Model Max Input) 1" 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 Regulator Pressure Set To 8" WC for Natural Gas, 11" WC for LP) Gas Regulator Pressure Set To 8" WC for Natural Gas, 11" WC for Popane Electrical 120 V AC, 60 Hz Power Consumption Max 29 Amps, 48W (Standby) Internal Water Volume (gallons) 6 Features 101501, Gen II High Turn Down 50:1 Built-In Redundancy Multiple Heat Engines w/ Individual Control Cascading Yes - up to 4 units Common Venting Expandelse, Stainless 316L Listing ETL (221.10.3 / CSA 4.3), ASME HLW, AHRI Performance GPM 101501, Gen II Hot Water Capacity, 30F Rise (GPM) 41.3 Hot Water Capacity, 10F Rise (GPM) 28.9 Hot Water Capacity, 10F Rise (GPM) 20.7 WARRANTY† 1021501, Gen II	Safety			
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NG/LP - Maximum Static Gas Pressure 14" WC (set Gas regulator to 8" WC for NG 11" WC for LP) Gas Regulator Pressure Set To 8" WC for Natural Gas, 11" WC for Propane Electrical 120V AC, 60 Hz Power Consumption Max 29 Amps, 48W (Standby) Internal Water Volume (gallons) 6 Features IQ1501, Gen II High Turn Down 50:1 Bult-In Redundancy Multiple Heat Engines w/ Individual Control Cascading Ommor Venting Heat Exchanger Expandable, Stainless 316L Listing ETL (Z21:0.3 / CSA 4.3), ASME HLW, AHRI Performance GPM IQ1501, Gen II Hot Water Capacity, 70F Rise (GPM) 64.3** Hot Water Capacity, 90F Rise (GPM) 41.3 Hot Water Capacity, 100F Rise (GPM) 22.1 Hot Water Capacity, 100F Rise (GPM) 20.7 WARRANTY† IQ1501, Gen II Basic Warranty (without StartUp) Hex – 1 Year, Parts – 1 Year, Labor - None Enhanced Warranty (with StartUp) Hex – 10 Years, Parts – 2 Years, Labor - None		1"		
Gas Regulator Pressure Set To8" WC for Natural Gas, 11" WC for PropaneElectrical120V AC, 60 HzPower ConsumptionMax 29 Amps, 48W (Standby)Internal Water Volume (gallons)6Featuresi@1501, Gen IIHigh Turn Down50.1Built-In RedundancyMasterless, 4 units, Automatic RotationCommon VentingYes - up to 4 unitsHeat ExchangerExpandable, Stainless 318LListingETL (221.03 / CSA 4.3), ASME HLW, AHRIPerformance GPM6Hot Water Capacity, 45F Rise (GPM)64.3**Hot Water Capacity, 100F Rise (GPM)28.9Hot Water Capacity, 100F Rise (GPM)20.7WARRANTY†i@1501, Gen IIBasic Warranty (without StartUp)Hex – 10 Years, Parts – 1 Year, Labor - NoneEnhanced Warranty (with StartUp)Hex – 10 Years, Parts – 2 Years, Labor - None	NG/LP - Min. Dynamic Gas Pressure (Full Fire)			
Electrical120V AC, 60 HzPower ConsumptionMax 29 Amps. 48W (Standby)Internal Water Volume (gallons)6FeaturesiQ1501, Gen IIHigh Turn Down50:1Built-In RedundancyMultiple Heat Engines w/ Individual ControlCascadingMasterless, 4 units, Automatic RotationCommon VentingYes - up to 4 unitsHeat ExchangerExpandable, Stainless 316LListingETL (221.10.3 / CSA 4.3), ASME HLW, AHRIPerformance GPMiQ1501, Gen IIHot Water Capacity, 70F Rise (GPM)64.3**Hot Water Capacity, 70F Rise (GPM)28.9Hot Water Capacity, 100F Rise (GPM)20.7WARRANTY†iQ1501, Gen IIBasic Warranty (without StartUp)Hex – 10 Years, Parts – 2 Years, Labor - NoneEnhanced Warranty (with StartUp)Hex – 10 Years, Parts – 2 Years, Labor - None	NG/LP - Maximum Static Gas Pressure	14" WC (set Gas regulator to 8" WC for NG 11" WC for LP)		
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Internal Water Volume (gallons) 6 Features iQ1501, Gen II High Turn Down 50:1 Built-In Redundancy Multiple Heat Engines w/ Individual Control Cascading Masterless, 4 units, Automatic Rotation Common Venting Yes - up to 4 units Heat Exchanger Expandable, Stainless 316L Listing ETL (221.10.3 / CSA 4.3), ASME HLW, AHRI Performance GPM iQ1501, Gen II Hot Water Capacity, 45F Rise (GPM) 64.3** Hot Water Capacity, 20F Rise (GPM) 32.1 Hot Water Capacity, 100F Rise (GPM) 28.9 Hot Water Capacity, 100F Rise (GPM) 20.7 WARRANTY† iQ1501, Gen II Basic Warranty (without StartUp) Hex – 10 Years, Parts – 2 Years, Labor - None	Electrical	120V AC, 60 Hz		
FeaturesiQ1501, Gen IIHigh Turn Down50:1Built-In RedundancyMultiple Heat Engines w/ Individual ControlCascadingMasterless, 4 units, Automatic RotationCommon VentingYes - up to 4 unitsHeat ExchangerExpandable, Stainless 316LListingETL (Z2110.3 / CSA 4.3), ASME HLW, AHRIPerformance GPMiQ1501, Gen IIHot Water Capacity, 45F Rise (GPM)64.3**Hot Water Capacity, 70F Rise (GPM)32.1Hot Water Capacity, 100F Rise (GPM)28.9Hot Water Capacity, 140F Rise (GPM)20.7WARRANTY†iQ1501, Gen IIBasic Warranty (without StartUp)Hex – 1 Year, Parts – 1 Year, Labor - NoneEnhanced Warranty (with StartUp)Hex – 10 Years, Parts – 2 Years, Labor - None	Power Consumption	Max 29 Amps, 48W (Standby)		
High Turn Down50:1Bullt-In RedundancyMultiple Heat Engines w/ Individual ControlCascadingMasterless, 4 units, Automatic RotationCommon VentingYes - up to 4 unitsHeat ExchangerExpandable, Stainless 316LListingETL (Z21.10.3 / CSA 4.3), ASME HLW, AHRIPerformance GPMi@1501, Gen IIHot Water Capacity, 45F Rise (GPM)64.3**Hot Water Capacity, 70F Rise (GPM)32.1Hot Water Capacity, 90F Rise (GPM)28.9Hot Water Capacity, 100F Rise (GPM)20.7WARRANTY†I@1501, Gen IIBasic Warranty (without StartUp)Hex - 1 Year, Parts - 1 Year, Labor - NoneEnhanced Warranty (with StartUp)Hex - 10 Years, Parts - 2 Years, Labor - None	Internal Water Volume (gallons)	6		
Built-In Redundancy Multiple Heat Engines w/ Individual Control Cascading Masterless, 4 units, Automatic Rotation Common Venting Yes - up to 4 units Heat Exchanger Expandable, Stainless 316L Listing ETL (Z21.10.3 / CSA 4.3), ASME HLW, AHRI Performance GPM i@1501, Gen II Hot Water Capacity, 45F Rise (GPM) 64.3** Hot Water Capacity, 90F Rise (GPM) 41.3 Hot Water Capacity, 100F Rise (GPM) 32.1 Hot Water Capacity, 100F Rise (GPM) 28.9 Hot Water Capacity, 140F Rise (GPM) 20.7 WARRANTY† i@1501, Gen II Basic Warranty (without StartUp) Hex – 1 Year, Parts – 1 Year, Labor - None Enhanced Warranty (with StartUp) Hex – 10 Years, Parts – 2 Years, Labor - None	Features	iQ 1501, Gen II		
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Heat ExchangerExpandable, Stainless 316LListingETL (Z21.10.3 / CSA 4.3), ASME HLW, AHRIPerformance GPMIQ1501, Gen IIHot Water Capacity, 45F Rise (GPM)64.3**Hot Water Capacity, 70F Rise (GPM)41.3Hot Water Capacity, 90F Rise (GPM)32.1Hot Water Capacity, 100F Rise (GPM)28.9Hot Water Capacity, 140F Rise (GPM)20.7WARRANTY†IQ1501, Gen IIBasic Warranty (without StartUp)Hex – 1 Year, Parts – 1 Year, Labor - NoneEnhanced Warranty (with StartUp)Hex – 10 Years, Parts – 2 Years, Labor - None	Cascading	Masterless, 4 units, Automatic Rotation		
Listing ETL (Z21.10.3 / CSA 4.3), ASME HLW, AHRI Performance GPM i@1501, Gen II Hot Water Capacity, 45F Rise (GPM) 64.3** Hot Water Capacity, 70F Rise (GPM) 41.3 Hot Water Capacity, 90F Rise (GPM) 32.1 Hot Water Capacity, 100F Rise (GPM) 28.9 Hot Water Capacity, 140F Rise (GPM) 20.7 WARRANTY† i@1501, Gen II Basic Warranty (without StartUp) Hex – 1 Year, Parts – 1 Year, Labor - None Enhanced Warranty (with StartUp) Hex – 10 Years, Parts – 2 Years, Labor - None	Common Venting	Yes - up to 4 units		
Performance GPM iQ1501, Gen II Hot Water Capacity, 45F Rise (GPM) 64.3** Hot Water Capacity, 70F Rise (GPM) 41.3 Hot Water Capacity, 90F Rise (GPM) 32.1 Hot Water Capacity, 100F Rise (GPM) 28.9 Hot Water Capacity, 140F Rise (GPM) 20.7 WARRANTY† iQ1501, Gen II Basic Warranty (without StartUp) Hex – 1 Year, Parts – 1 Year, Labor - None Enhanced Warranty (with StartUp) Hex – 10 Years, Parts – 2 Years, Labor - None	Heat Exchanger	Expandable, Stainless 316L		
Hot Water Capacity, 45F Rise (GPM)64.3**Hot Water Capacity, 70F Rise (GPM)41.3Hot Water Capacity, 90F Rise (GPM)32.1Hot Water Capacity, 100F Rise (GPM)28.9Hot Water Capacity, 140F Rise (GPM)20.7WARRANTY†i@1501, Gen IIBasic Warranty (without StartUp)Hex – 1 Year, Parts – 1 Year, Labor - NoneEnhanced Warranty (with StartUp)Hex – 10 Years, Parts – 2 Years, Labor - None	Listing	ETL (Z21.10.3 / CSA 4.3), ASME HLW, AHRI		
Hot Water Capacity, 70F Rise (GPM) 41.3 Hot Water Capacity, 90F Rise (GPM) 32.1 Hot Water Capacity, 100F Rise (GPM) 28.9 Hot Water Capacity, 140F Rise (GPM) 20.7 WARRANTY† i@1501, Gen II Basic Warranty (without StartUp) Hex – 1 Year, Parts – 1 Year, Labor - None Enhanced Warranty (with StartUp) Hex – 10 Years, Parts – 2 Years, Labor - None	Performance GPM	iQ 1501, Gen II		
Hot Water Capacity, 70F Rise (GPM) 41.3 Hot Water Capacity, 90F Rise (GPM) 32.1 Hot Water Capacity, 100F Rise (GPM) 28.9 Hot Water Capacity, 140F Rise (GPM) 20.7 WARRANTY† i@1501, Gen II Basic Warranty (without StartUp) Hex – 1 Year, Parts – 1 Year, Labor - None Enhanced Warranty (with StartUp) Hex – 10 Years, Parts – 2 Years, Labor - None	Hot Water Capacity, 45F Rise (GPM)	64.3**		
Hot Water Capacity, 100F Rise (GPM) 28.9 Hot Water Capacity, 140F Rise (GPM) 20.7 WARRANTY† iQ1501, Gen II Basic Warranty (without StartUp) Hex – 1 Year, Parts – 1 Year, Labor - None Enhanced Warranty (with StartUp) Hex – 10 Years, Parts – 2 Years, Labor - None	Hot Water Capacity, 70F Rise (GPM)	41.3		
Hot Water Capacity, 100F Rise (GPM) 28.9 Hot Water Capacity, 140F Rise (GPM) 20.7 WARRANTY† iQ1501, Gen II Basic Warranty (without StartUp) Hex – 1 Year, Parts – 1 Year, Labor - None Enhanced Warranty (with StartUp) Hex – 10 Years, Parts – 2 Years, Labor - None	Hot Water Capacity, 90F Rise (GPM)	32.1		
Hot Water Capacity, 140F Rise (GPM) 20.7 WARRANTY† i@1501, Gen II Basic Warranty (without StartUp) Hex – 1 Year, Parts – 1 Year, Labor - None Enhanced Warranty (with StartUp) Hex – 10 Years, Parts – 2 Years, Labor - None	Hot Water Capacity, 100F Rise (GPM)	28.9		
WARRANTY† i@1501, Gen II Basic Warranty (without StartUp) Hex – 1 Year, Parts – 1 Year, Labor - None Enhanced Warranty (with StartUp) Hex – 10 Years, Parts – 2 Years, Labor - None				
Basic Warranty (without StartUp) Hex – 1 Year, Parts – 1 Year, Labor - None Enhanced Warranty (with StartUp) Hex – 10 Years, Parts – 2 Years, Labor - None				
Enhanced Warranty (with StartUp) Hex – 10 Years, Parts – 2 Years, Labor - None	·			
	Enhanced Warranty (with StartUp)			
	Labor Warranty (with Start Up & telliCare Connection)	Hex – 10 Years, Parts – 2 Years, Labor - 1 Year		

** These flow rates are intermittent, not continuous flow rates. Please refer to section 3.6 in the I/O Manuals. † 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/O Manuals section 18.

iQ1501 Dimensional Specifications



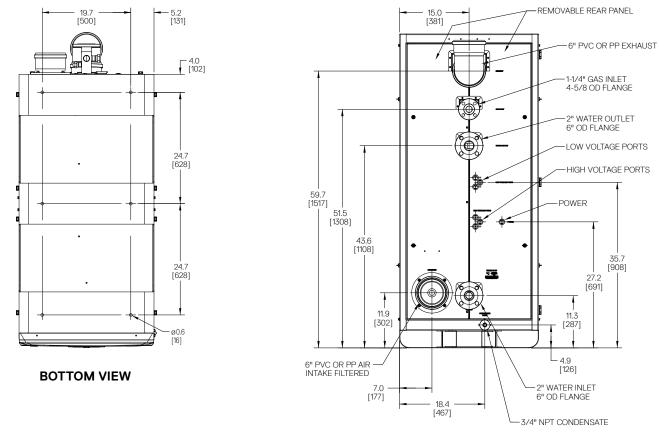
FRONT VIEW





Note: All dimensions are in Inches, and equivalent metric values are specified within []

iQ1501 Dimensional Specifications



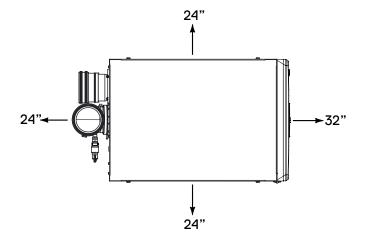
Note: All dimensions are in Inches, and equivalent metric values are specified within []

REAR VIEW

iQ1501, Gen II Service Clearances

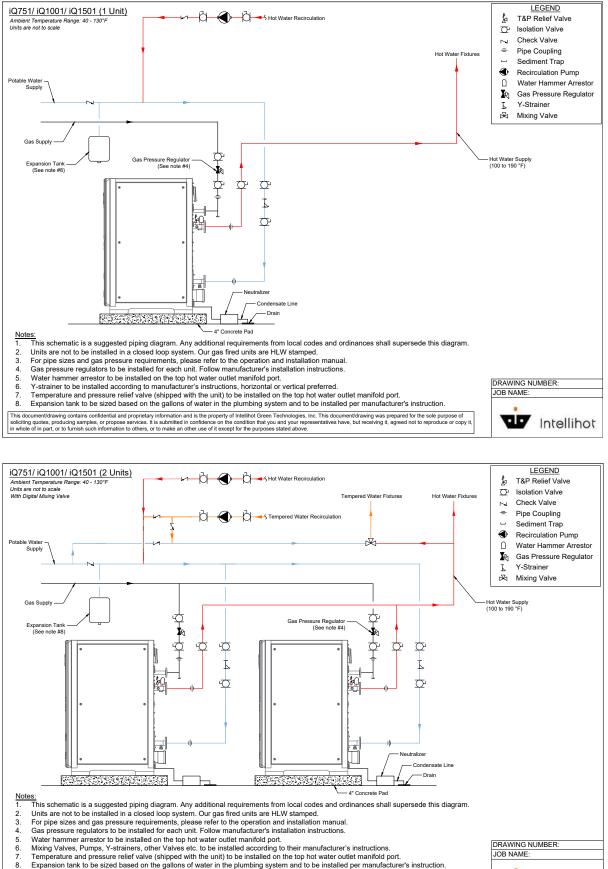
Location	Requ	Recommended	
	From Combustibles	From Non- Combustibles	Service Clearance ¹
Тор	6" (152 mm)	2" (50.8 mm)	18" (457 mm)
Back	5/8" (15.8 mm)	5/8" (15.8 mm)	24" (610 mm)
Sides	1" (25.4 mm)	1/2" (12.7 mm)	24" (610 mm)
Front	2" (51 mm)	2" (50.8 mm)	32" (813 mm)
Bottom	0" (0 mm)	0" (0 mm)	0" (0 mm)

¹ Service clearances are recommended dimensions to allow for normal service of the unit.







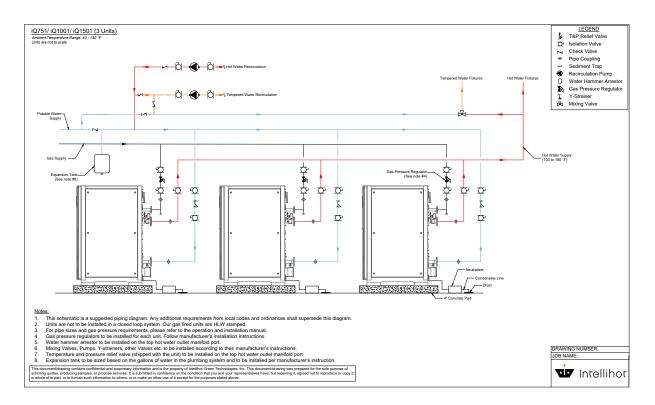


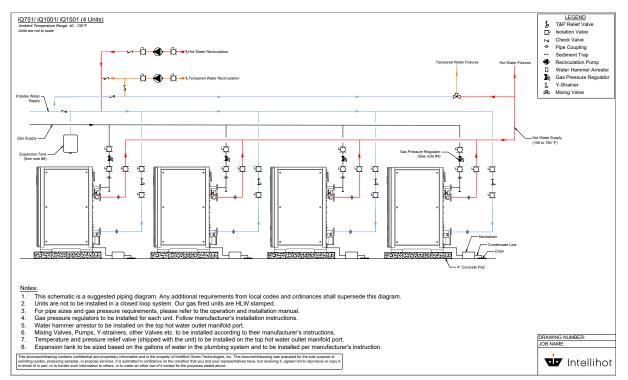
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Intellihot

iQ1501, Gen II Configuration Options







iQ1501, Gen II Venting Guidelines

Maximum Pipe Length in Feet						
Number of Units	Venting Type	6" Diameter	8" Diameter	10" Diameter	12" Diameter	14" Diameter
		iQ 1501				
1	1 Pipe	65	270	500	500	500
I	2 Pipe	35	135	250	250	250
2	1 Pipe	-	70	220	500	500
2	2 2 Pipe	-	35	110	250	250
3 1 Pipe 2 Pipe	-	-	110	500	500	
	2 Pipe	-	-	55	125	250
4	1 Pipe	-	-	50	150	320
2	2 Pipe	-	-	35	75	160

1 Pipe - Only exhaust out pipe is connected and the combustion air intake is from within the room. For example, one iQ1501 with a 6" diameter, the maximum exhaust pipe length for 1 pipe is 65 feet.

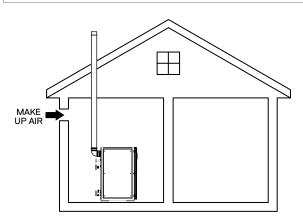
2 Pipe - Both the combustion air intake and the exhaust pipe are connected. In this case, the table specifies the maximum length per pipe. For example, one iQ1501 with 6" diameter, 35 feet maximum is allowed for combustion air intake pipe and exhaust out pipe. The 35 feet maximum is per pipe.

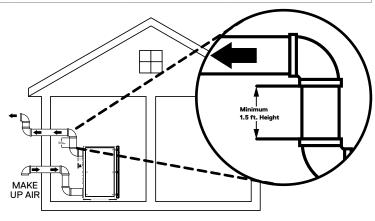
Note:

1. Reduce the maximum equivalent length above by 5 feet per 90° elbow used and by 2 feet per 45° elbow used. Do not exceed the above set limits.

2. If multiple units are common vented, then the units must be cascaded. Please refer to the combustion section for how to do combustion with common vented units.

3. SAFETY INSTRUCTIONS: Do not connect any other appliance vents to the water heater inlet or outlet pipes.





2-Pipe Direct Vent

iQ1501, Gen II Electrical Data

Electrical power required for the water heater is 120V AC, 60 Hz. The circuit breaker shall be sized for a power consumption of 29A (FLA). Larger breakers can be used for multiple units. Please ensure correct polarity of wiring before powering up unit.

iQ1501, Gen II Cascading Compatibility

1-Pipe Direct Vent

Model	Compatible (Max # of Cascaded Units)
iQ751	Yes (Max 4 Units)
iQ1001	Yes (Max 4 Units)
iQ1501	Yes (Max 4 Units)
All other Models (i200, i250, iQ251, iQ251D, iN401, iN501, iQ2001 and iQ3001	Not Supported

