Commercial Condensing Water Heater
Specification Sheet

- **Standard Input** - Gas consumption ranges from 15,000 BTUh to 300,000 BTUh

- **Compact Design** - ANSI Z21.10.3/CSA 4.3 certified design that can be wall-mounted indoors or installed outdoors.

- **Wifi Capable**

- **Heat Exchanger** - primary: K grade copper
  secondary: Austenite stainless steel

- **Venting Options** - available in Direct Vent model that can use either 4" Schedule 40 and 80 PVC/CPVC, PP, 5" SS w/ adapter or installed outdoors

- **Direct Electronic Ignition**

- **Multi-System Capability** - units can be linked together by using either the optional 2-unit Quick Connect or multi-unit System Controller for up to 24 units

- **Fully Modulating** - BTU input can range from 15,000 to 7.2 million BTUh (for 24-unit Multi-System). 20:1 Turndown Ratio

- **Thermal Efficiency** - fully condensing, up to 97% efficient for use with natural gas and propane

- **Temperature Controls** - includes remote thermostat that can precisely adjust the output temperature from 100°F to 185°F

- **Safety Devices** - Flame Sensor, Burner Sensor, Overheat Prevention Device, Lightning Protection Device, Freeze Protection, Neutralizer Overfill

- **Five Year Limited Heat Exchanger Warranty for Commercial Use**

- **Five Year Limited Parts Warranty & 1-Year Reasonable Labor**

- **Approvals** - CSA, UPC, NSF, Low NOx Approved By SCAQMD (Rule 1146.2) This product complies with California AB 1953 Low Lead Law and section 1417(d) of the Safe Drinking Water Act
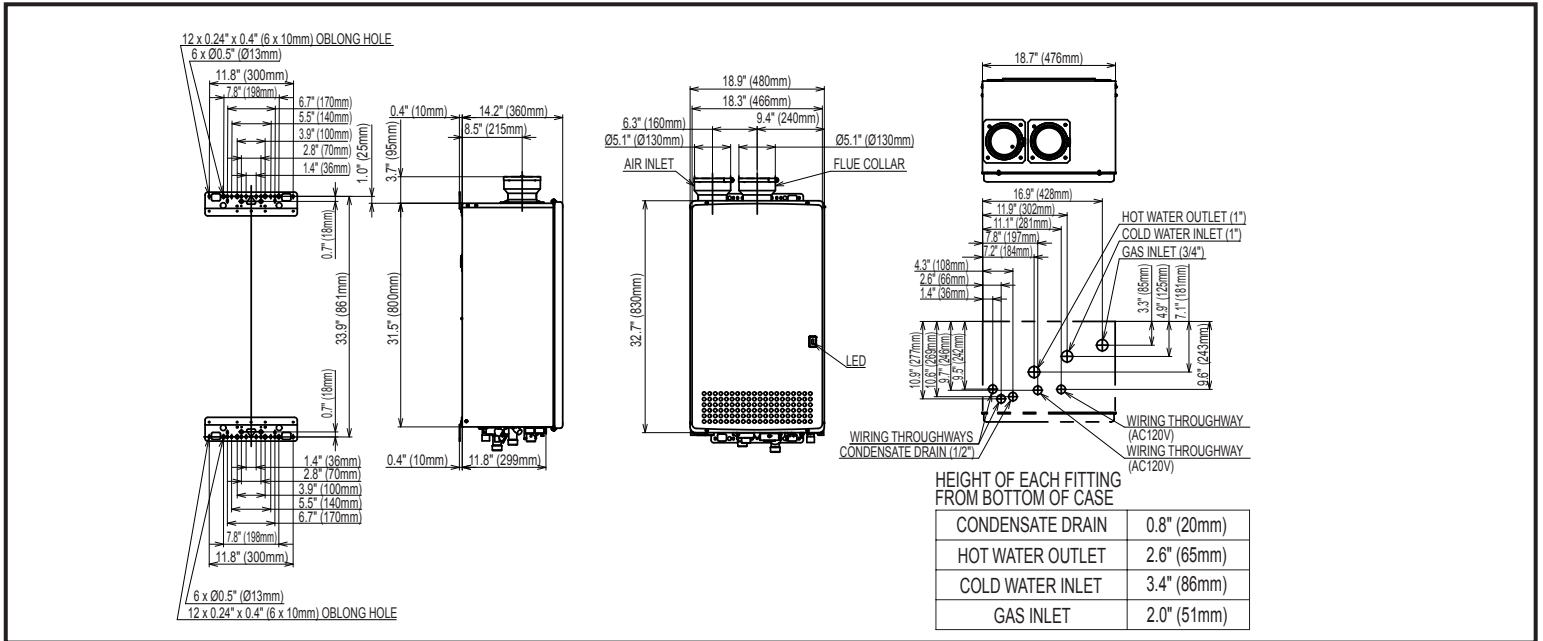
LOW-LEAD **UPC**   **NSF**   COMMERCIAL *energy* ENERGY STAR   COMMERCIAL **AHRI** CERTIFIED® www.ahridirectory.org

Accessories

- ☐ *4" Horizontal Hood Termination (#PVT-HL)*
- ☐ *SV Conversion (#SV-CK-4)*
- ☐ *Bird-screen (#VT4-PVCS)*
- ☐ *Plastic Rain Cap (#PRC-1)*
- ☐ *SS Vent Adapter (#PVC4XVP5-ADAPT)*
- ☐ *Pipe Cover (#PC-7S)*
- ☐ *Isolator Valves (#IK-WV-300)*
- ☐ *Wireless Monitor (#NWC-ADAPTER)*
- ☐ *Quick Connect Cord (#QC-2)*

  System Controller
  - ☐ *6-unit (#SC-401-6M)*
  - ☐ *12-unit (#SCU-401-12M)*
  - ☐ *24-unit (#SCU-401-24M)*

  Neutralizer
  - ☐ *1-unit (#NC-1)*
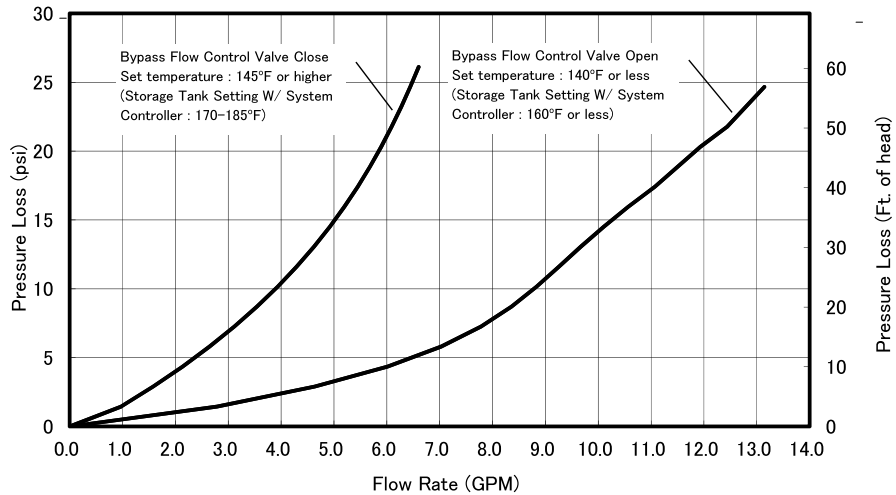 - ☐ *16-unit (#NT-20A)*

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Dimensions

HEIGHT OF EACH FITTING FROM BOTTOM OF CASE	
CONDENSATE DRAIN	0.8" (20mm)
HOT WATER OUTLET	2.6" (65mm)
COLD WATER INLET	3.4" (86mm)
GAS INLET	2.0" (51mm)

Flow Rates

Temperature Rise (°F)	30	40	45	50	60	70	80	90	100	110	120	130	140
Flow Rate (GPM)	13.2	13.2	12.4	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.8	4.5	4.2

Bypass Flow Control Valve Close
Set temperature : 145°F or higher
(Storage Tank Setting W/ System
Controller : 170–185°F)

Bypass Flow Control Valve Open
Set temperature : 140°F or less
(Storage Tank Setting W/ System
Controller : 160°F or less)

Specifications

Model Name		NCC300DV (GQ-C5032WZ-FF US)	NCC300OD (GQ-C5032WZ US)
Weight		110 pounds	108 pounds
Operating Pressure		15 - 150 psi	
Gas Supply Pressure		NG: 5.0" - 10.5" LP: 8.0" - 14.0"	
Water Holding Capacity		1.3 Gallon (4.9 L)	
Connection Sizes	Water Inlet	NPT 1"	
	Hot Water Outlet	NPT 1"	
	Gas Inlet	NPT 3/4"	
	Condensate Drain	1/2" Threaded	
Power	Supply	120VAC (60Hz), less than 4 amperes	
	Consumption	NG:121W LP:116W Freeze Prevention:345W	NG:107W LP:102W Freeze Prevention:287W
Freeze Protection		Outdoor: -4°F Indoor: -30°F	
Temperature Settings	°F Mode	100-150°F (In 5°F intervals), 160, 170, 185°F (14 Options)	
	°C Mode	37-48°C (In 1°C intervals), 50-85°C (In 5°C intervals) (20 Options)	