John Wood®

# Heavy-Duty Tankless Water Heaters

**COMMERCIAL MODELS**

## Tankless Heavy-Duty Commercial Models

Designed specifically for heavy-duty commercial applications. Fully modulating, gas-fired, tankless water heaters with sealed combustion (optional) and power vented flue. Capable of supplying hot water for domestic hot water systems (directly or indirectly) using water storage tanks, recirculation systems, and/or combined domestic & heating applications (local codes dictate proper compliance).

**JWT-910-N**
**JWT-910-P**
**JWT-910-AN**

## Features

*Designed for Performance*

- Heat exchanger is constructed of commercial grade copper that is stronger than standard copper and more resilient against erosion and heat stress
- Continuous maximum flow rates up to 14.5 GPM
- Easy-link up to 4 units with no additional controller or Multi-link up to 10 units with multi-unit controller
- Available for natural gas (NG) or propane (LP)
- ASME models available

*Safety Features*

- Built-in freeze protection
- Manual reset hi limit (set at 194°F)
- Overheat cutoff fuse
- Inlet and outlet thermistors and mixing for constant temperature monitoring
- GFI, fuse and surge absorber
- Flame sensor

*Venting and Combustion*

- 5" Category III Stainless Steel
- Air fuel ratio rod
- Vertical or horizontal installation
- 50' equivalent max length, 5 elbows max (90° elbows = 5' equivalent length)
- Power vent design
- Electronic ignition - no pilot light
- 5" combustion air intake (with optional kit 100074538)

*Optional Accessories*

- Multi-unit controller for 5-10 units (100074647)
- Remote temperature controller (100112155)
- Direct vent conversion kit (100074538)
- Pipe cover (100112190)
- Concentric vent kit (100066841)
- Isolation valve kit with pressure relief valve (100112255)

C US

NSF

ASME HLW

*ANSI Z21.10.3 CSA 4.3*

**WARRANTY**

6-year limited warranty on heat exchanger in commercial applications

5-year limited warranty on all parts

Consult installation manual for terms and conditions or visit www.johnwoodwaterheaters.com for more information.

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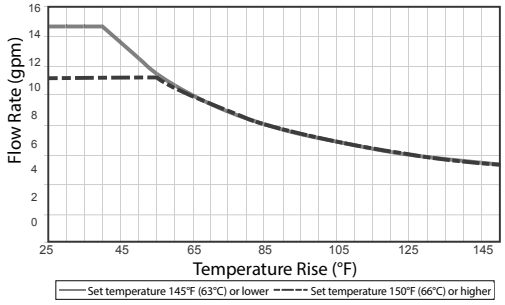
## COMMERCIAL MODELS

## SPECIFICATIONS

| MODEL | FUEL TYPE | GAS CONSUMPTION INPUT | | THERMAL EFFICIENCY | INLET GAS PRESSURE | | GPM** | DIMENSIONS IN (CM) | | | VOLT | AMP | FLUE*** | INTAKE | HOT AND COLD CONNECTION | UNIT WEIGHT LB (KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MIN. BTU/h | MAX. BTU/h | | MIN. W.C. | MAX. W.C. | | HEIGHT | WIDTH | DEPTH | | | | | | |
| JWT-910-N | Natural | 15,000 | 380,000 | 80% | 5.0 | 10.5 | 0.5 - 14.5 | 25 ¼ (64) | 24 7/8 (63) | 12 ¼ (31) | 120 | 1.48 | 5" O.D. | 5" O.D. | 1" NPT | 112 (51) |
| JWT-910-P | Propane | 15,000 | 380,000 | 82% | 8.0 | 14.0 | 0.5 - 14.5 | 25 ¼ (64) | 24 7/8 (63) | 12 ¼ (31) | 120 | 1.48 | 5" O.D. | 5" O.D. | 1" NPT | 112 (51) |
| JWT-910-AN* | Natural | 15,000 | 380,000 | 80% | 5.0 | 10.5 | 0.5 - 14.5 | 25 ¼ (64) | 24 7/8 (63) | 12 ¼ (31) | 120 | 1.48 | 5" O.D. | 5" O.D. | 1" NPT | 112 (51) |

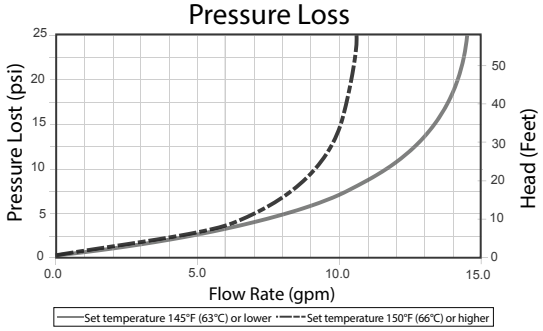
*ASME models
**Current numbers based on factory testing, 0.4 GPM required for continuous fire after initial ignition.
15 - 150 psi water pressure. Pressure only relief valve requires (Min. 380,000 BTUs. 150 PSI). Min 40 PSI or above recommended for maximum flow.
*** Category III required

### Flow Rate Vs. Temperature Rise

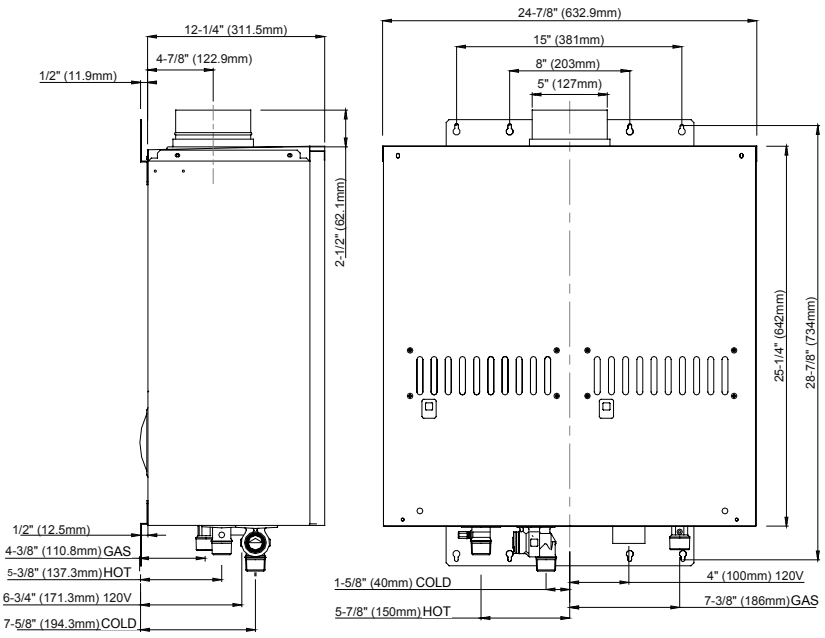



Above shown rate is based on a single unit only

### Pressure Loss




CLEARANCES:
Top 12", Bottom 12", Front* 12", Back 0.5", Sides 3"
*Recommended 24" clearance from front of unit for maintenance




### SUGGESTED SPECIFICATION

Water heater(s) shall be Model _____ as manufactured by John Wood®. The water heater(s) shall be a copper coil integral fin and tube construction with quick release brass or bronze waterways. Heater(s) will be factory assembled and tested. The heater shall be vented with 5" stainless steel Category III vent pipe a distance not to exceed 50 (equivalent) feet terminating vertically or horizontally as prescribed. Intake air with optional direct vent kit may be of such material as ULC S636 PVC or CPVC, galvanized B-Vent, corrugated aluminum or stainless steel or Category IV stainless steel not to exceed a total of 50 (equivalent) feet. The heater(s) shall be controlled by onboard solid state printed circuit board monitoring incoming and outgoing temperatures with factory-installed thermistors, sensing and controlling flow rate to set point temperature with control both air and gas mixture inputs to maintain thermal combustion efficiency. Unit also consists of ground fault interrupter, inline fusing, spark ignition and sensor system, aluminized stainless steel burners, air-fuel ratio rod, hi limit switch, modulating and proportional gas valves, freeze protection sensor and heating blocks and overheat cutoff fuses. The water heater(s) shall be CSA listed, and meets or exceeds the energy efficiency requirements of NRCan and current edition of ASHRAE 90.1.


For Technical Information/Warranty:
Call 1-888-479-8324 or email techsupport@johnwoodwaterheaters.com
**www.johnwoodwaterheaters.com**