John Wood® powered by TAKAGI

Tankless Water Heaters

RESIDENTIAL & COMMERCIAL

John Wood® powered by Takagi offers a wide selection of tankless products to suit the varying needs of today's households.
A full product line of state-of-the-art tankless water heaters, including condensing models that are ENERGY STAR® qualified with energy factors up to 0.95 are available.

JWT-540H-DV
Condensing Model Shown

Features

Energy Savings
- ENERGY STAR® qualified
- Fully modulating
- Electronic ignition means no standing pilot

Designed for Performance
- Factory-installed power cord
- Many models feature improved scale reduction software
- Secondary heat exchangers feature 316L high-quality, long-lasting stainless steel in condensing models
- High altitude installations (up to 10,100 ft)

Safety Features
- Air-Fuel Ratio Sensor to ensure safe and optimal operation
- Exhaust** & water temperature safety devices
- Overheat cut-off fuse
- Freeze protection

Serviceability
- Easy diagnostics and troubleshooting
  - Condensing models feature built-in numerical digital display
  - Non-condensing models include temperature remote controller with numerical digital display

Venting Flexibility
- Condensing models can be vented using ULC S636 PVC, CPVC, polypropylene pipe or Cat. III/IV stainless steel

**Exhaust for condensing models only

WARRANTY

15 Year Limited Heat Exchanger Warranty*
5 Year Limited Parts Warranty*

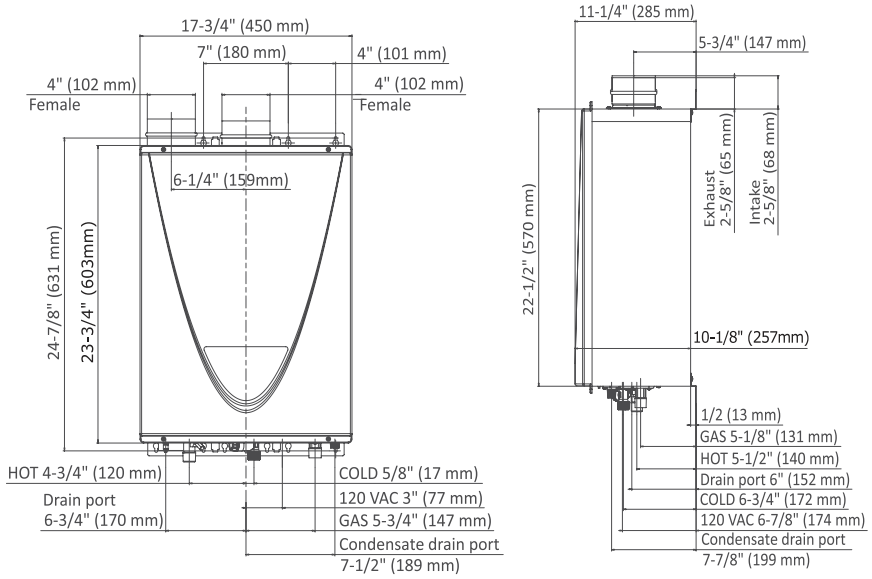
Consult installation manual for terms and conditions or visit www.johnwoodwaterheaters.com for more information.
* in residential installations.

John Wood® powered by TAKAGI

Tankless Water Heaters

RESIDENTIAL

JWT-240H-DV / JWT-340H-DV / JWT-540H-DV *Condensing*



Product Features:

- Condensing technology
- Unprecedented 0.95 Energy Factor
- Durable Heat Exchanger: Uses HRS35 copper for primary heat exchanger and stainless steel #316L for secondary heat exchanger
- Approved with ULC S636 PVC, CPVC or polypropylene venting in addition to Cat. III/IV stainless steel
- Vent with 3" (up to 70 feet) or 4" (up to 100 feet)
- 0" clearance to combustibles
- Integrated control and diagnostics
- Air Fuel Ratio (AFR) Sensor
- Factory-installed power cord
- Internal freeze-protection system (JWT-540H-DV has dual protection)
- High altitude installation (up to 10,100 ft.)

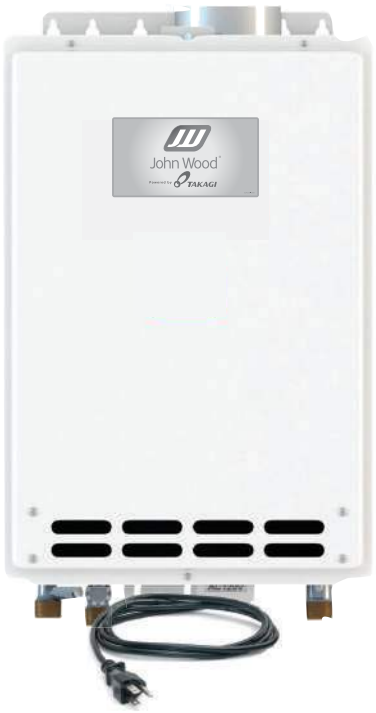
	JWT-240H-DV 4.3 GPM at 70°F Temperature Rise		**JWT-340H-DV** 4.9 GPM at 70°F Temperature Rise		**JWT-540H-DV** 5.4 GPM at 70°F Temperature Rise	
Installation Type	Direct Vent					
Dimensions	23-3/4" (603mm) (H) x 17-3/4" (450mm) (W) x 10-1/8" (257mm) (D), Weight: 58 lbs (26 kg) (240H & 340H), 59 lbs (27 kg) (540H)					
Electric Consumption	120 VAC 0.61 (Operation) 0.03 A (Standby) 1.5 A (Freeze-Protection)		120 VAC 0.65 (Operation) 0.03 A (Standby) 1.5 A (Freeze-Protection)		120 VAC 0.74 (Operation) 0.04 A (Standby) 1.5 A (Freeze-Protection)	
Ignition	Electronic Ignition					
Fuel	NG	LP	NG	LP	NG	LP
Gas Input	Min 15,000 BTU/h	Min 13,000 BTU/h	Min 15,000 BTU/h	Min 13,000 BTU/h	Min 15,000 BTU/h	Min 13,000 BTU/h
	Max 160,000 BTU/h	Max 160,000 BTU/h	Max 180,000 BTU/h	Max 180,000 BTU/h	Max 199,000 BTU/h	Max 199,000 BTU/h
Energy Factor	0.95	0.95	0.95	0.95	0.95	0.95
Gas Pressure	Min. 5.0"W.C.	Min. 8.0"W.C.	Min. 5.0"W.C.	Min. 8.0"W.C.	Min. 5.0"W.C.	Min. 8.0"W.C.
	Max. 10.5"W.C.	Max. 14.0"W.C.	Max. 10.5"W.C.	Max. 14.0"W.C.	Min. 10.5"W.C.	Min. 14.0"W.C.
Maximum Flow Rate	Max 6.6 GPM at 30°F Temperature Rise		Max 8.0 GPM at 30°F Temperature Rise		Max 10.0 GPM at 30°F Temperature Rise	
Water Pressure	15-150 psi (40 psi or above recommended for max. flow)					
Multiple Unit Installation	Not available for this model		Not available for this model		Easy-Link System (with no additional parts/accessories required)	Up to 4 units
					Multi Link (with TM-MC02 controller)	Up to 20 units
Temperature Settings	JWT-240H and JWT-340H: 100°F, 105°F, 110°F, 115°F, 120°F (default), 125°F, 130°F, 135°F, 140°F (9 settings) JWT-540H: 100°F, 105°F, 110°F, 115°F, 120°F (default), 125°F, 130°F, 135°F, 140°F, 145°F, 150°F, 155°F, 160°F, 165°F, 175°F, 185°F (16 settings)					
Warranty **Residential** **Commercial**	15 years Heat Exchanger, 5 years Parts 10 years Heat Exchanger, 5 years Parts		15 years Heat Exchanger, 5 years Parts 10 years Heat Exchanger, 5 years Parts		15 years Heat Exchanger, 5 years Parts 10 years Heat Exchanger, 5 years Parts	

JWT-540H-DV Only

John Wood® powered by TAKAGI

Tankless Water Heaters

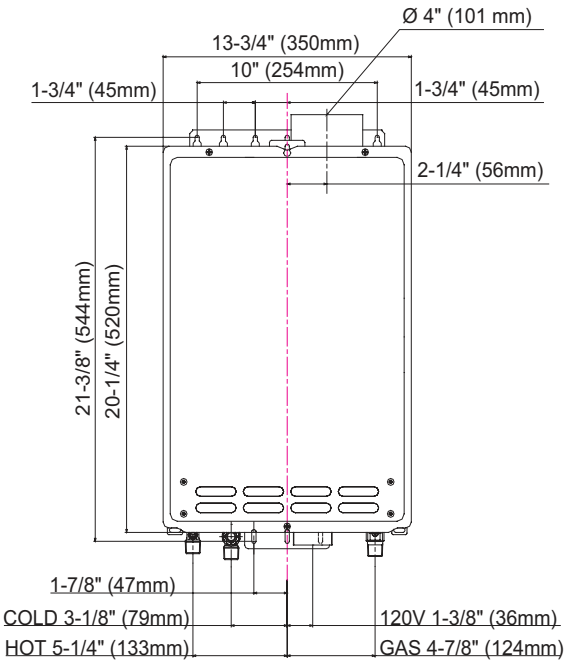
RESIDENTIAL



JWT-110 *Light/Medium Residential*

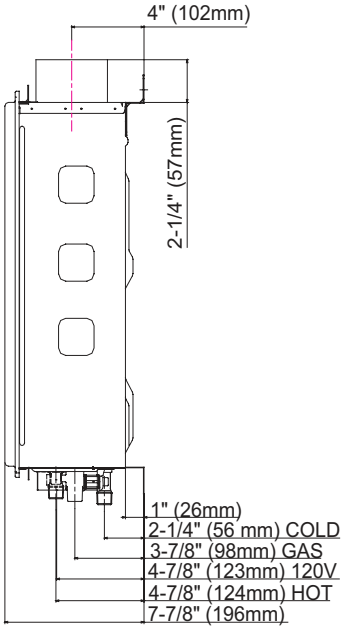
Product Features:

- Power Vent design
- Safety Features: Air-Fuel Ratio (AFR) Sensor, water temperature safety device, overheat cutoff fuse
- Fully modulating
- TK-RE02 temperature remote included
- Factory-installed power cord
- Vents with Cat.III stainless steel
- Built-in freeze protection
- Convertible to Power Direct Vent using Direct Vent Conversion Kit (TK-TV10)



JWT-110 3.3 GPM at 70°F temperature rise

Installation Type	Power Vent (Direct Vent Convertible)			
Dimensions	20-1/4" (520mm) (H) x 13-3/4" (350mm) (W) x 6-7/8" (175mm) (D), Weight: 33 lbs (15 kg)			
Electric Consumption	120 VAC	0.61 A (Operation)	0.05A (Standby)	0.93 A (Freeze-Protection)
Ignition	Electronic Ignition			
Fuel	NG		LP	
Gas Input	Min 19,500 BTU/h		Min 19,500 BTU/h	
	Max 140,000 BTU/h		Max 140,000 BTU/h	
Energy Factor	0.82		0.83	
Gas Pressure	Min. 5.0" W.C.		Min. 8.0" W.C.	
	Max. 10.5" W.C.		Max. 14.0" W.C.	
Maximum Flow Rate	Max 6.6 GPM at 30°F Temperature Rise			
Water Pressure	15-150 psi	Pressure-only relief valve required (min. 200,000 BTU/h, 150 psi). 40 psi or above recommended for maximum flow.		
Temperature Settings	Dipswitch Settings	113°F, 122°F(default), 131°F, 140°F		
	With TK-RE02 Temperature Remote Controller INCLUDED: 99°F to 167°F, 122°F Default Factory Setting 99°F, 100°F, 102°F, 104°F, 106°F, 108°F, 109°F, 111°F, 113°F, 115°F, 117°F, 122°F(default), 131°F, 140°F, 158°F, 167°F			
Warranty	Residential	15 years Heat Exchanger		5 years Parts



John Wood® powered by TAKAGI

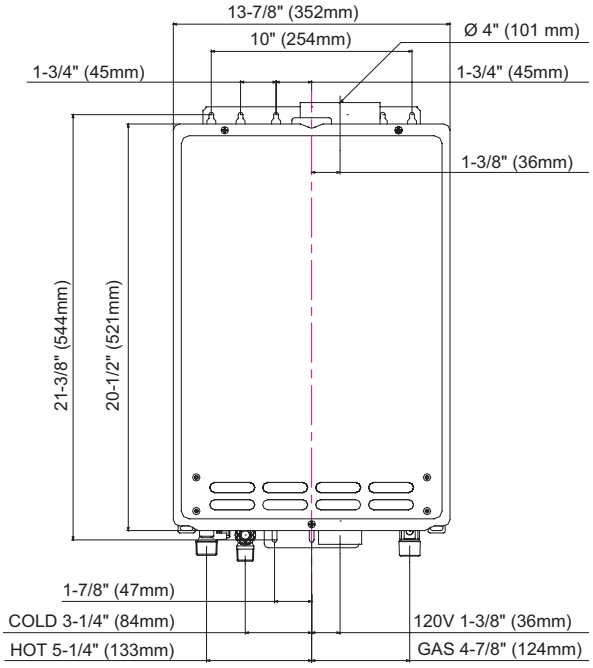
Tankless Water Heaters

RESIDENTIAL

JWT-310 *Light/Medium Residential*

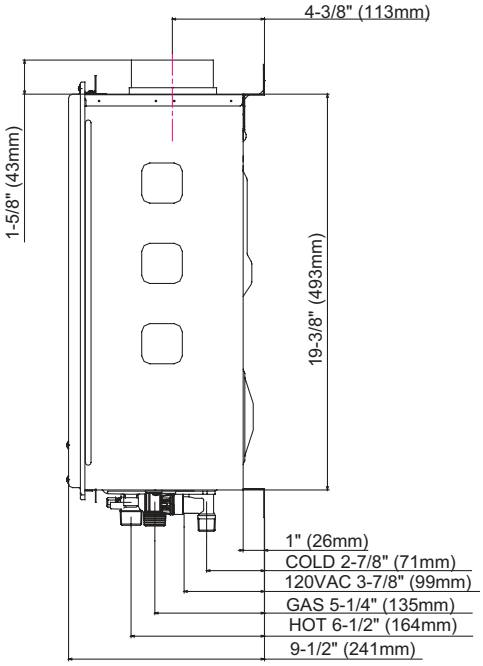
Product Features:

- Power Vent design
- Safety Features: Air-Fuel Ratio (AFR) Sensor, water temperature safety device, overheat cutoff fuse
- Fully modulating
- TK-RE02 temperature remote included
- Factory-installed power cord
- Vents with Cat.III stainless steel
- Built-in freeze protection
- Convertible to Power Direct Vent using Direct Vent Conversion Kit (TK-TV10)



JWT-310 4.4 GPM at 70°F temperature rise

Installation Type	Power Vent (Direct Vent Convertible)			
Dimensions	20-1/2"(521mm) (H) x 13-3/4"(350mm) (W) x 8-1/2"(216mm) (D), Weight: 38 lbs (17 kg)			
Electric Consumption	120 VAC	0.73A (Operation)	0.05 A (Standby)	0.93 A (Freeze-Protection)
Ignition	Electronic Ignition			
Fuel	NG		LP	
Gas Input	Min 11,000 BTU/h		Min 11,000 BTU/h	
	Max 190,000 BTU/h		Max 190,000 BTU/h	
Energy Factor	0.82		0.82	
Gas Pressure	Min. 5.0"W.C.		Min. 8.0"W.C.	
	Max. 10.5"W.C.		Max. 14.0"W.C.	
Maximum Flow Rate	Max 8.0 GPM at 30°F Temperature Rise			
Water Pressure	15-150 psi	Pressure-only relief valve required (min. 200,000 BTU/h, 150 psi). 40 psi or above recommended for maximum flow.		
Temperature Settings	Dipswitch Settings	113°F, 122°F(default), 131°F, 140°F		
	With TK-RE02 Temperature Remote Controller INCLUDED: 99°F to 167°F, 122°F Default Factory Setting 99°F, 100°F, 102°F, 104°F, 106°F, 108°F, 109°F, 111°F, 113°F, 115°F, 117°F, 122°F(default), 131°F, 140°F, 158°F, 167°F			
Warranty	Residential	15 years Heat Exchanger		5 years Parts



John Wood® powered by TAKAGI

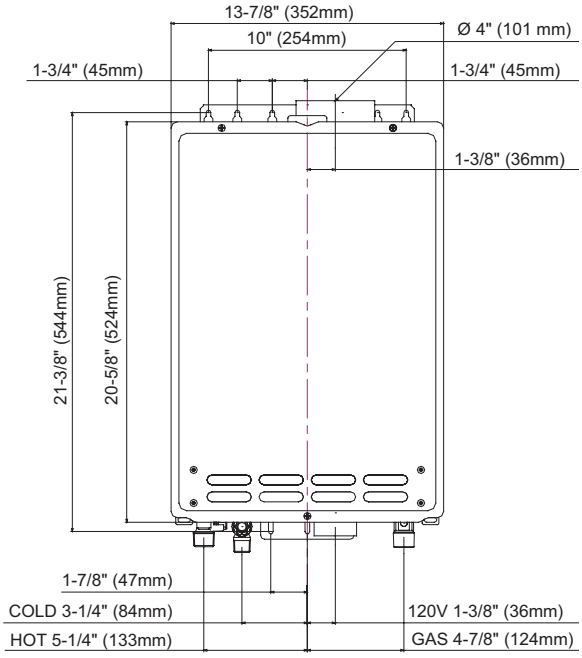
Tankless Water Heaters

RESIDENTIAL

JWT-510 *Heavy Residential/Light Commercial*

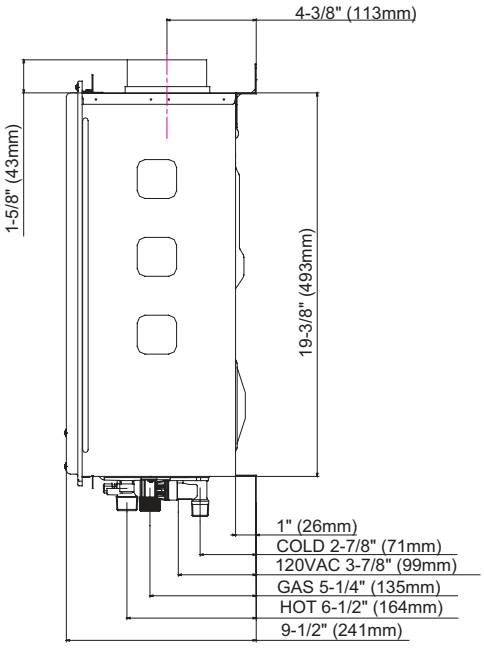
Product Features:

- Power Vent design
- Built-in scale reduction software
- Safety Features: Air-Fuel Ratio (AFR) Sensor, water temperature safety device, overheat cutoff fuse
- TM-RE30 temperature remote included
- Vents with Cat.III stainless steel
- Factory-installed power cord
- Multiple Unit Installation: up to 4 units with built-in Easy Link system
- Fully modulating
- Internal freeze protection
- Manual hi-limit switch
- Uses HRS35 copper for heat exchanger
- Convertible to Power Direct Vent using Direct Vent Conversion Kit (TK-TV10)



JWT-510 4.7 GPM at 70°F temperature rise

Installation Type	Power Vent (Direct Vent Convertible)			
Dimensions	20-5/8" (524mm) (H) x 13-7/8" (352mm) (W) x 8-1/2" (216mm) (D), Weight: 39 lbs (18 kg)			
Electric Consumption	120 VAC	0.75A (Operation)	0.05 A (Standby)	0.93 A (Freeze-Protection)
Ignition	Electronic Ignition			
Fuel	NG		LP	
Gas Input	Min 11,000 BTU/h		Min 11,000 BTU/h	
	Max 199,000 BTU/h		Max 199,000 BTU/h	
Energy Factor	0.83		0.82	
Gas Pressure	Min. 5.0"W.C.		Min. 8.0"W.C.	
	Max. 10.5"W.C.		Max. 14.0"W.C.	
Maximum Flow Rate	Max 10.0 GPM at 30°F Temperature Rise			
Water Pressure	15-150 psi	Pressure-only relief valve required (min. 200,000 BTU/h, 150 psi). 40 psi or above recommended for maximum. flow.		
Multiple Unit Installation	Easy-Link System	Up to 4 units, with no need for a system controller		
Temperature Settings	Dipswitch Settings	104°F, 113°F, 122°F(default), 131°F, 140°F 158°F, 176°F, 185°F		
	With TM-RE30 Temperature Remote Controller INCLUDED: 99°F to 185°F, 122°F Default Factory Setting 99°F, 100°F, 102°F, 104°F, 106°F, 108°F, 109°F, 110°F, 111°F, 113°F, 115°F, 117°F, 122°F(default), 131°F, 140°F, 158°F, 167°F, 176°F, 185°F			
Warranty	Residential Commercial	15 years Heat Exchanger 10 years Heat Exchanger		5 years Parts 5 years Parts



John Wood® powered by TAKAGI

Tankless Water Heaters

COMMERCIAL

John Wood powered by Takagi commercial models offer important factors for any commercial organization or business: saving space, energy and money.

Offering light duty models for less-demanding commercial applications to robust models to suit the most challenging of applications.

JWT-540H-DV

JWT-510

JWT-710

JWT-910

Features

Energy Savings

- Tankless water heaters only activate when hot water is being used - therefore no standby energy losses are incurred, providing efficient heating and conserving gas energy

Designed for Performance

- Condensation-reducing design to prevent premature failure of the heat exchanger from excess condensate
- Stepper-motor water valves featured on JWT-710 & JWT-910 models, which provide optimal precision essential for commercial usage and they offer the durability to handle high-volume demands
- Heat exchanger manufactured with HRS35 heat-resistant copper alloy that has 8 times more tensile strength than regular copper ensuring its longevity
- Drums that are 25% thicker, ensuring the longevity of the water heater - a thicker drum creates less strain on the heat exchanger
- Can be installed as a Direct Vent with the purchase of a Direct Vent Conversion Kit (with exception of JWT-540H)

Safety Features

- Air-Fuel Ratio (AFR) Sensor, unique to these models, maintains proper combustion at all times
- Overheat cutoff fuse
- Freeze protection
- Manual hi limit switch

Serviceability

- Components are easily accessible within unit for trouble-free maintenance

CERTIFIED TM

WARRANTY

10 Year Limited Heat Exchanger Warranty*

5 Year Limited Parts Warranty

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

*in commercial installations.

John Wood® powered by TAKAGI

Tankless Water Heaters

COMMERCIAL

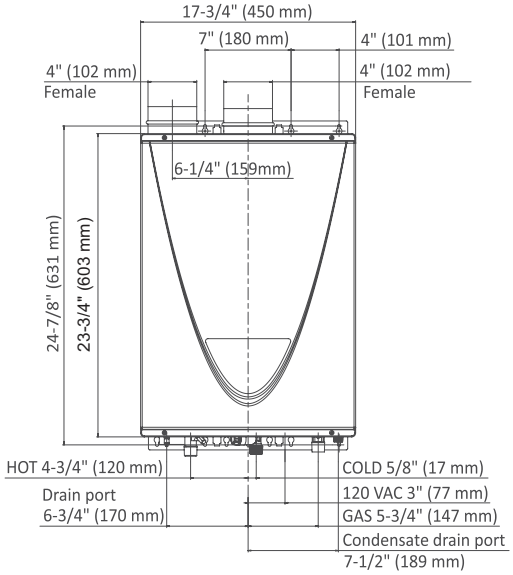
JWT-540H-DV *Condensing*

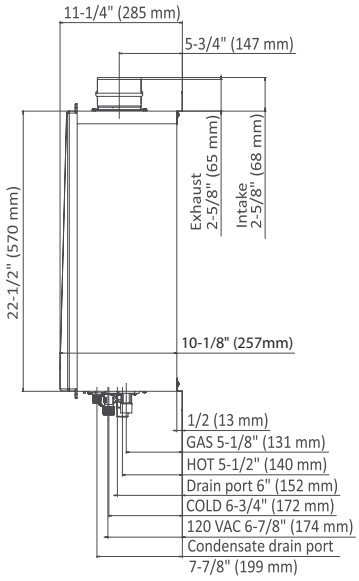
Product Features:

- Condensing technology
- Unprecedented 0.95 Energy Factor
- Durable Heat Exchanger: Uses HRS35 copper for primary heat exchanger and stainless steel #316L for secondary heat exchanger
- Approved with ULC S636 PVC, CPVC or polypropylene venting in addition to Cat. III/IV stainless steel
- Vent with 3" (up to 70 feet) or 4" (up to 100 feet)
- Link up to 4 units using built-in Easy Link System
- Link up to 20 units using Multi Link Controller (TM-MC02)
- 0" clearance to combustibles
- Digital display on front panel with integrated control and diagnostics
- Air Fuel Ratio (AFR) Sensor
- Factory-installed power cord
- Dual internal freeze-protection system
- High altitude installations (up to 10,100 ft.)

JWT-540H-DV 5.4 GPM at 70°F Temperature Rise

Installation Type	Direct Vent			
Dimensions	23-3/4" (603mm) (H) x 17-3/4" (450mm) (W) x 10-1/8" (257mm) (D), Weight: 59 lbs (27 kg)			
Electric Consumption	120 VAC	0.74A (Operation)	0.04 A (Standby)	1.5 A (Freeze-Protection)
Ignition	Electronic Ignition			
Fuel	NG	LP		
Gas Input	Min 15,000 BTU/h	Min 13,000 BTU/h		
	Max 199,000 BTU/h	Max 199,000 BTU/h		
Energy Factor	0.95	0.95		
Gas Pressure	Min. 5.0" W.C.	Min. 8.0" W.C.		
	Min. 10.5" W.C.	Min. 14.0" W.C.		
Maximum Flow Rate	Max 10.0 GPM at 30°F Temperature Rise			
Water Pressure	15-150 psi (40 psi or above recommended for max. flow)			
Multiple Unit Installation	Easy-Link System (with no additional parts/accessories required)	Up to 4 units		
	Multi Link (with TM-MC02 controller)	Up to 20 units		
Temperature Settings	100°F, 105°F, 110°F, 115°F, 120°F (default), 125°F, 130°F, 135°F, 140°F, 145°F, 150°F, 155°F, 160°F, 165°F, 175°F, 185°F (16 settings)			
Warranty Residential Commercial	15 years Heat Exchanger, 5 years Parts 10 years Heat Exchanger, 5 years Parts			





John Wood® powered by TAKAGI

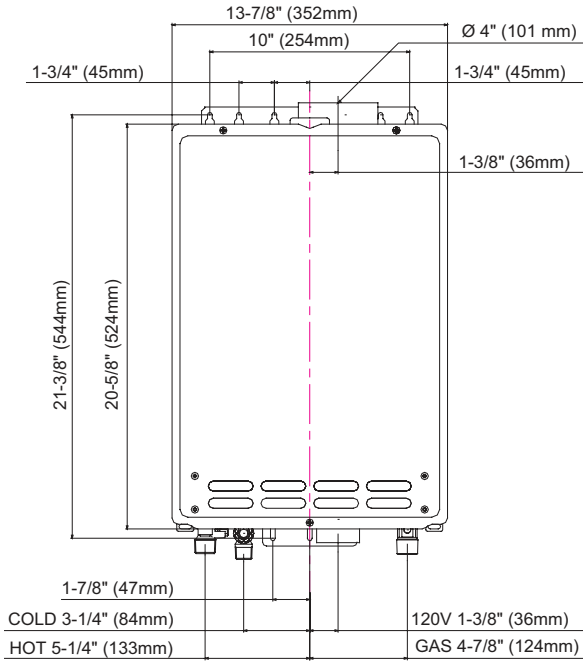
Tankless Water Heaters

COMMERCIAL

JWT-510 *Light Commercial / Heavy Residential*

Product Features:

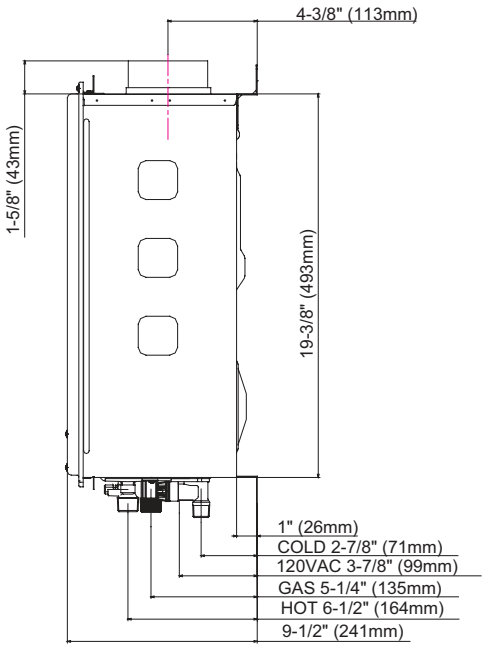
- Power Vent design
- Built-in scale reduction software
- Safety Features: Air-Fuel Ratio (AFR) Sensor, water temperature safety device, overheat cutoff fuse
- TM-RE30 temperature remote included
- Vents with Cat.III stainless steel
- Factory-installed power cord
- Multiple Unit Installation: up to 4 units with built-in Easy Link system
- Fully modulating
- Internal freeze protection
- Manual hi-limit switch
- Uses HRS35 copper for heat exchanger
- Convertible to Power Direct Vent using Direct Vent Conversion Kit (TK-TV10)



JWT-510

4.7 GPM at 70°F Temperature Rise

Installation Type	Power Vent - (Direct Vent Convertible)			
Dimensions	20-5/8" (524mm) (H) x 13-7/8" (352mm) (W) x 8-1/2" (216mm) (D), Weight: 39 lbs (18 kg)			
Electric Consumption	120 VAC	0.75A (Operation)	0.05 A (Standby)	0.93 A (Freeze-Protection)
Ignition	Electronic Ignition			
Fuel	NG		LP	
Gas Consumption	Min 11,000 BTU/h		Min 11,000 BTU/h	
	Max 199,000 BTU/h		Max 199,000 BTU/h	
Energy Factor	0.83		0.82	
Gas Pressure	Min. 5.0" W.C.		Min. 8.0" W.C.	
	Max. 10.5" W.C.		Max. 14.0" W.C.	
Flow Rate	Max 10.0 GPM at 30°F Temperature Rise			
Water Pressure	15-150 psi	Pressure-only relief valve required (min. 200,000 BTU/h, 150 psi). 40 psi or above recommended for maximum. flow.		
Multiple Unit Installation	Easy-Link System	Up to 4 units		
Temperature Settings	Without Remote (Dipswitch Setting)	104°F, 113°F, 122°F(default), 131°F, 140°F 158°F, 176°F, 185°F		
	With TM-RE30 Temperature Remote Controller INCLUDED: 99°F to 185°F, 122°F Default Factory Setting 99°F, 100°F, 102°F, 104°F, 106°F, 108°F, 109°F, 110°F, 111°F, 113°F, 115°F, 117°F, 122°F(default), 131°F, 140°F, 158°F, 167°F, 176°F, 185°F			
Warranty (years)	Residential Commercial	15 Heat Exchanger 10 Heat Exchanger	5 Parts 5 Parts	



John Wood® powered by TAKAGI

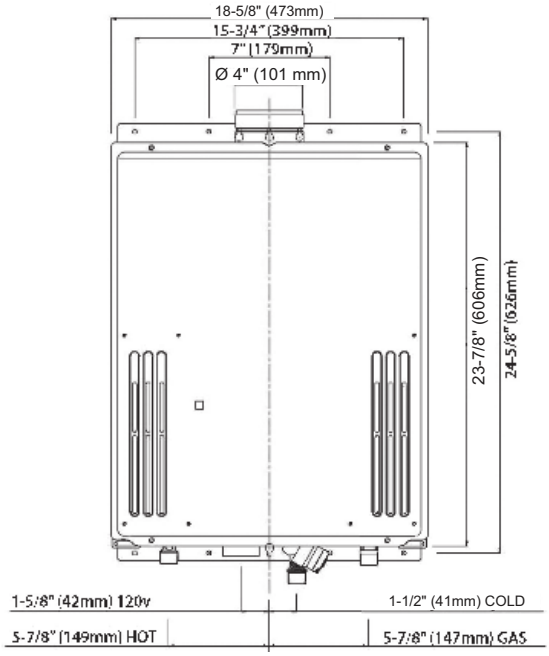
Tankless Water Heaters

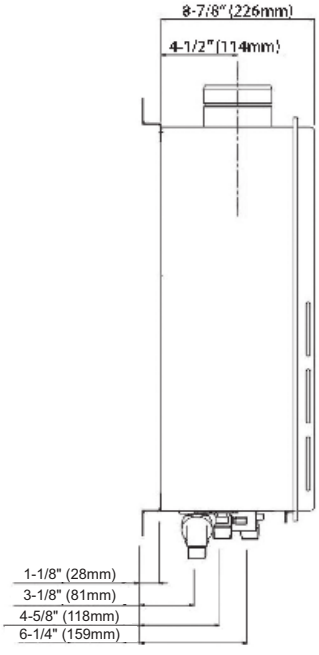
COMMERCIAL

JWT-710 *Heavy Commercial*

Product Features:

- Uses HRS35 copper for heat exchanger and tubing making it more resistant to corrosion and leaks
- Multiple Unit Installation: up to 20 units with TM-MC02
- Easy-Link Installation: up to 4 units with no additional controller
- Convertible to Power Direct Vent using Direct Vent Conversion Kit (TK-TV10)
- Built-in freeze protection
- Manual hi-limit switch
- Overheat cut off fuse
- Inlet, outlet and mixing thermistors for constant temperature monitoring
- Air Fuel Ratio (AFR) Sensor
- GFI, fuse & surge absorber
- ASME version available





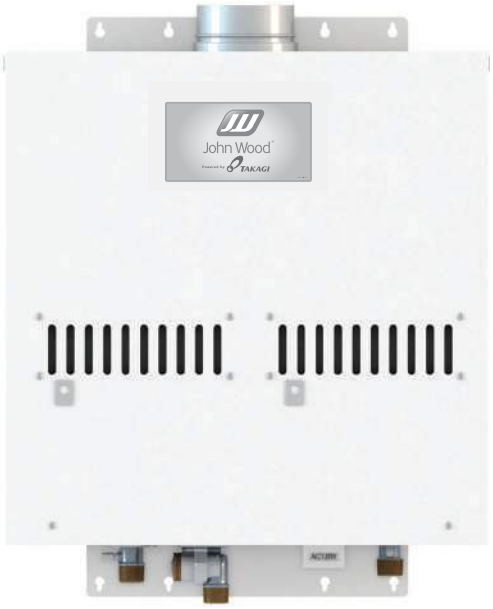
JWT-710 5.5 GPM at 70°F Temperature Rise

Installation Type	Power Vent - (Direct Vent Convertible)			
Dimensions	23-7/8" (606mm) (H) x 18-5/8" (473mm)(W) x 8-7/8" (226mm) (D), Weight: 59 lbs (27 kg)			
Electric Consumption	120 VAC	0.94A (Operation)	0.075 A (Standby)	1.56 A (Freeze-Protection)
Ignition	Electronic Ignition			
Noise Level	53 dB at Max Output			
Fuel	NG		LP	
Gas Consumption	Min 24,000 BTU/h		Min 24,000 BTU/h	
	Max 240,000 BTU/h		Max 240,000 BTU/h	
Thermal Efficiency	82.2%		83.9%	
Gas Pressure	Min. 5.0"W.C.		Min. 8.0"W.C.	
	Max. 10.5"W.C.		Max. 14.0"W.C.	
Flow Rate	0.5 - 9.0 GPM	Values based on factory testing. 0.4 GPM required for continuous fire after initial ignition.		
Hot/Cold/Gas Connection	3/4" NPT			
Coil Capacity	=0.32 Gallons			
Water Pressure	15-150 psi	Pressure-only relief valve required (min. 240,000 BTU/h, 150 psi). 40 psi or above recommended for maximum. flow.		
Multiple Unit Installation	Easy-Link System	Up to 4 units	With no need for a system controller	
	Multi-Link System	Up to 20 units	With TM-MC02 system controller	
Temperature Settings	Dipswitches	100°F, 115°F, 120°F(default), 135°F, 145°F, 155°F, 165°F, 185°F		
	With TM-RE40 Temperature Remote Controller (max. distance 400' from heater, non-polarized 18 gauge wiring) Default Mode: 100°F, 105°F, 110°F, 115°F, 120°F(default), 125°F, 130°F, 135°F, 140°F, 145°F, 150°F, 155°F, 160°F, 165°F, 170°F, 175°F High Temp. Mode: 100°F, 115°F, 120°F(default), 125°F, 130°F, 135°F, 140°F, 145°F, 150°F, 155°F, 160°F, 165°F, 170°F, 175°F, 180°F, 185°F			
Warranty (years)	Residential Commercial	15 Heat Exchanger 10 Heat Exchanger	5 Parts 5 Parts	

John Wood® powered by TAKAGI

Tankless Water Heaters

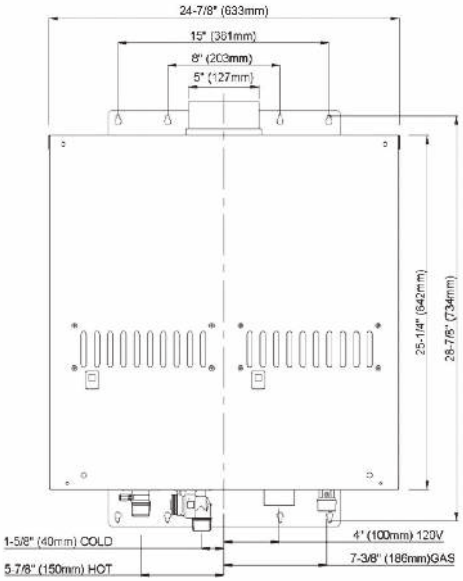
COMMERCIAL



JWT-910 *Heavy Commercial*

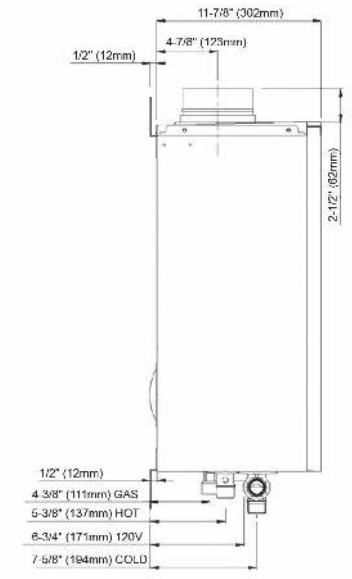
Product Features:

- Dual heat exchanger system ensures that in the event of emergency, one system will remain functional
- Uses HRS35 copper for heat exchanger and tubing making it more resistant to corrosion and heat stress
- ASME version available
- Multiple Unit Installation: up to 10 units with TM-MC02
- Easy-Link Installation: up to 4 units with no additional controller
- Built-in freeze protection
- Manual hi-limit switch
- Overheat cut off fuse
- Inlet, outlet and mixing thermistors for constant temperature monitoring
- Air Fuel Ratio (AFR) Sensor
- GFI, fuse & surge absorber



JWT-910 8.7 GPM at 70°F Temperature Rise

Installation Type	Power Vent - (Direct Vent Convertible)			
Dimensions	25-1/4" (642mm) (H) x 24-7/8" (633mm) (W) x 11-7/8" (302mm) (D), Weight: 112 lbs (51 kg)			
Electric Consumption	120 VAC	1.49A (Operation)	0.14 A (Standby)	2.26 A (Freeze-Protection)
Ignition	Electronic Ignition			
Noise Level	56 dB at Max Output			
Fuel	NG		LP	
Gas Consumption	Min 15,000 BTU/h		Min 15,000 BTU/h	
	Max 380,000 BTU/h		Max 380,000 BTU/h	
Thermal Efficiency	80.2%		82.4%	
Gas Pressure	Min. 5.0" W.C.		Min. 8.0" W.C.	
	Max. 10.5" W.C.		Max. 14.0" W.C.	
Flow Rate	0.5 - 14.5 GPM	Values based on factory testing. 0.4 GPM required for continuous fire after initial ignition.		
Hot/Cold/Gas Connection	1" NPT			
Coil Capacity	=0.32 Gallons			
Water Pressure	15-150 psi	Pressure-only relief valve required (min. 380,000 BTU/h, 150 psi). 40 psi or above recommended for maximum. flow.		
Multiple Unit Installation	Easy-Link System	Up to 4 units	With no need for a system controller	
	Multi-Link System	Up to 10 units	With TM-MC02 system controller	
Temperature Settings	Dipswitches	100°F, 115°F, 120°F(default), 135°F, 145°F, 155°F, 165°F, 185°F		
	With TM-RE40 Temperature Remote Controller (max. distance 400' from heater, non-polarized 18 gauge wiring) Default Mode: 100°F, 105°F, 110°F, 115°F, 120°F(default), 125°F, 130°F, 135°F, 140°F, 145°F, 150°F, 155°F, 160°F, 165°F, 170°F, 175°F High Temp. Mode: 100°F, 115°F, 120°F(default), 125°F, 130°F, 135°F, 140°F, 145°F, 150°F, 155°F, 160°F, 165°F, 170°F, 175°F, 180°F, 185°F			
Warranty (years)	Residential Commercial	15 Heat Exchanger 10 Heat Exchanger	5 Parts 5 Parts	



Accessories

PART NO.		DESCRIPTION	JWT-110	JWT-310	JWT-510	JWT-240H	JWT-340H	JWT-540H	JWT-710	JWT-910
TK-RE02		Remote Temperature Controller	X	X						
TM-RE30					X				X	X
TM-RE40						X	X	X		
TK-PC01		Pipe Cover		X	X					
TK-PCJr2			X							
TM-PC32									X	
TM-PC50										X
TH-PC03						X	X	X		
TM-MC02		Multiple Unit Controller						X	X	X
TK-IV01-AB		Lead Free Isolation Valves & a Pressure Relief Valve	X	X	X	X	X	X		
TM-IV32-AB									X	
TM-IV50-AB										X
TH-NT01		Neutralizer				X	X	X		
TH-CVPVC33		3" Concentric PVC Termination ULC s636 Approved				X	X	X		
TK-TV10		Direct Vent Conversion Kit	X	X	X					
TM-DV32									X	
TM-DV50										X
2SVSHTCKIT43		Stainless Steel Concentric Vent Kit	X	X	X					
2ZVCK44						X	X	X	X	
2ZVCK55										X

John Wood® powered by TAKAGI

Tankless Water Heaters

RESIDENTIAL & COMMERCIAL

Flow Rate Guide *(U.S. Gallons per minute)*

Temp Rise (°F)	JWT-110	JWT-310	JWT-510	JWT-710	JWT-910	JWT-240H	JWT-340H	JWT-540H
30	6.6	8.0	10.0	9.0	14.5	6.6	8.0	10.0
35	6.6	8.0	9.3	9.0	14.5	6.6	8.0	10.0
40	5.7	7.8	8.1	9.0	14.5	6.6	8.0	9.5
45	5.1	6.9	7.2	8.5	13.5	6.6	7.6	8.4
50	4.6	6.2	6.5	7.7	12.2	6.1	6.8	7.6
55	4.2	5.7	5.9	7.0	11.1	5.5	6.2	6.9
60	3.8	5.2	5.4	6.4	10.1	5.1	5.7	6.3
65	3.5	4.8	5.0	5.9	9.4	4.7	5.3	5.8
70	3.3	4.4	4.7	5.5	8.7	4.3	4.9	5.4
75	3.1	4.1	4.3	5.1	8.1	4.1	4.6	5.0
80	2.9	3.9	4.1	4.8	7.6	3.8	4.3	4.7
85	2.7	3.7	3.8	4.5	7.2	3.6	4.0	4.4
90	2.5	3.5	3.6	4.3	6.8	3.4	3.8	4.2
95	2.4	3.3	3.4	4.0	6.4	3.2	3.6	4.0
100	2.3	3.1	3.3	3.8	6.1	3.0	3.4	3.8

Flow rate is determined by temperature rise. To determine your temperature rise, subtract the incoming water temperature from the set output temperature. All units are factory set at 120°F to 122°F but can be changed. Flow rates are based on default set temperatures. In Canada, base incoming water temperature for coldest climate on 40°F.

Specification

Water heater(s) shall be Model_____ as manufactured by John Wood powered by Takagi, 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.

Commercial Condensing water heaters shall be vented with 3" or 4" Schedule 40 ULC S636 PVC, CPVC, or polypropylene vent pipe, or stainless steel Category III/IV vent pipe at a distance not to exceed 70' (equivalent) for 3" vent or 100' (equivalent) for 4" vent, terminating vertically or horizontally as prescribed. Intake air pipe may be of such material as ABS, PVC, polypropylene, galvanized B-Vent, corrugated aluminum or stainless steel, or Category III/IV stainless steel not to exceed 70' (equivalent) for 3" vent or 100' (equivalent) for 4" vent.

Commercial Non-Condensing water heaters shall be vented with 4" or 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).

The heater(s) shall be controlled by an onboard solid-state printed circuit board monitoring incoming and outgoing temperatures with factory installed thermistors, sensing and controlling flow rate to set point temperature, controlling both air and gas mixture inputs to maintain thermal combustion efficiency. The heater(s) shall also consist of inline fusing, a spark ignition and sensor system, aluminized stainless steel burners, an air-fuel ratio sensor, a hi-limit temperature switch, modulating and proportional gas valves, a freeze protection sensor with ceramic heating blocks, and an overheat cutoff fuse.

The water heater(s) shall be CSA listed and exceed the energy efficiency requirements of ASHRAE 90.1b-1992.