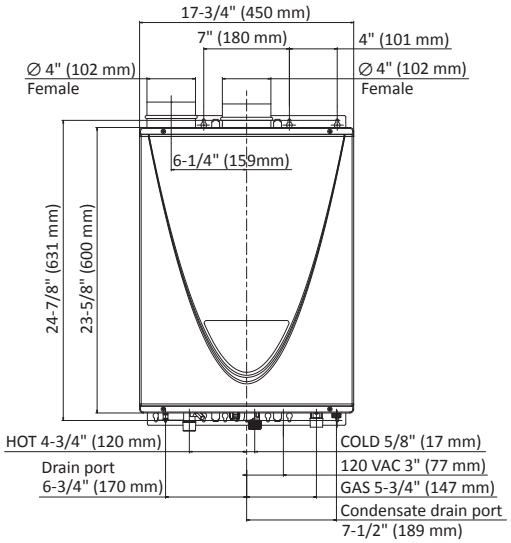
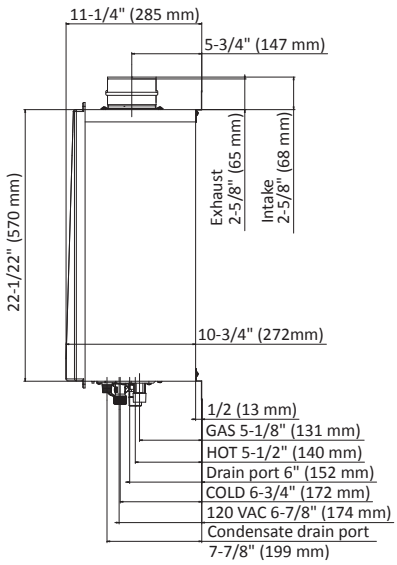
T-H3S Series

The T-H3S series offers high efficiency Ultra-Low NOx condensing technology allowing for the use of 3” PVC venting and has 0” clearance to combustibles. Utilizes HRS35 copper alloy for the heat exchanger tubing. Remote control included as a standard feature. Indoor models are certified up to 10,100 ft. altitude.

Dimensions





Specifications

Provides a variety of installation options: indoor, outdoor, and direct vent. Complies with Ultra-Low NOx regulations. Meets the energy efficiency requirements of ASHRAE 90.1b-1992.

Warranty Information**

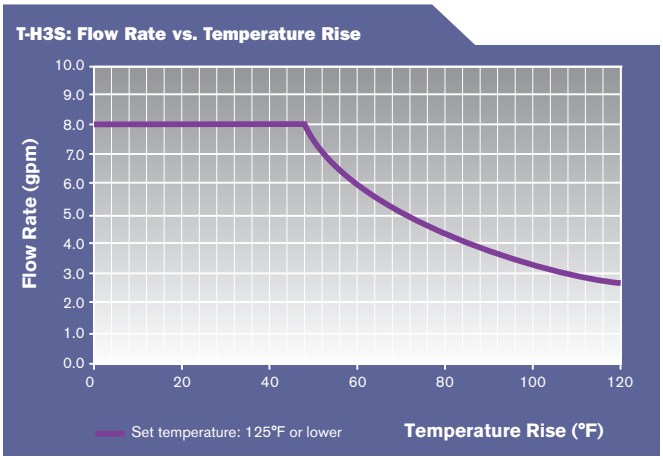
Residential Use:
15 years limited heat exchanger, 5 yrs limited parts

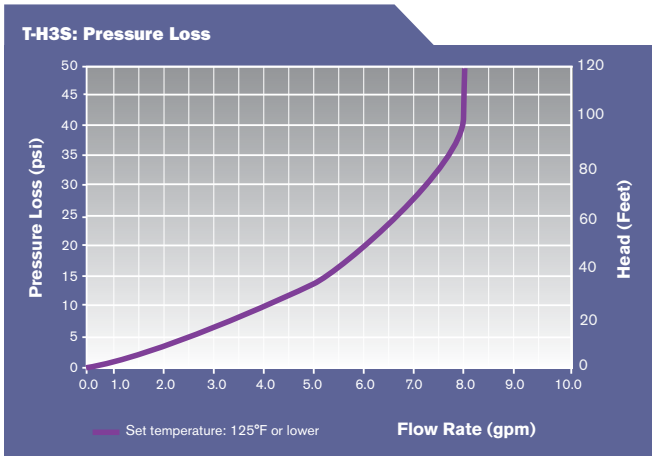
**Refer to www.Takagi.com for further warranty details.

Indoor model includes a built-in temperature controller and advanced diagnostics to simplify troubleshooting.

Outdoor model includes a wall mount temperature remote controller and advanced diagnostics to simplify troubleshooting.

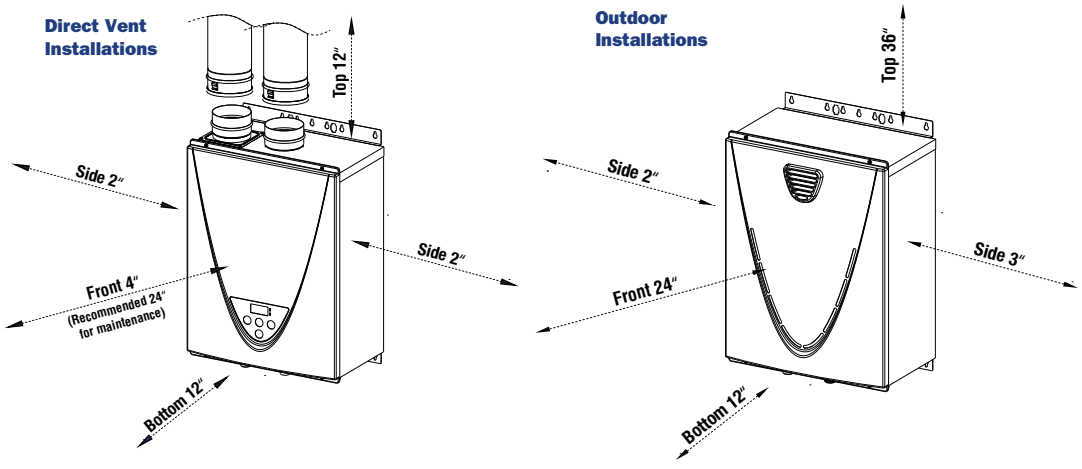
Installation Type	Indoor, Outdoor, SCH 40 PVC Direct Vent			
Dimension	23-5/8" (H) X 17-3/4" (W) X 11-1/4" (D) , Weight :DV: 58 lbs OS: 58 lbs			
Electric	120 V	1.27 A (Operation)	0.07 A (Standby)	1.73 A (Freeze-Protection)
Ignition	Electronic Ignition			
Noise Level	55 dB at Max output			
Fuel		NG	LP	
Gas Consumption	Min. Input	15,000 BTU/h	13,000 BTU/h	
	Max. Input	180,000 BTU/h	180,000 BTU/h	
Energy Factor		0.95	0.95	
Gas Pressure		Min 5.0" W.C.	Min 8.0" W.C.	
		Max 10.5" W.C.	Max 14.0" W.C.	
Flow Rate	8.0 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	≈0.2 Gallons			
Water Pressure	15-150 PSI	Pressure Only Relief Valve Requires (Min 200,000 BTUs. 150 PSI). 40 psi or above recommended for max. flow		
Multiple Unit Installation	Easy-Link System	N/A	N/A	
	Multi-Unit System	N/A	N/A	
T-H3S Temperature Settings	Built In / without remote	100°F 105°F 110°F 115°F 120°F (Default) 125°F 130°F 135°F 140°F (9 options)		
	With 9008172005 remote (max. distance 400' from heater, non-polarized 18 gauge wiring.)			
	100°F to 140°F with 5°F intervals (9 options), 120°F Default Factory Setting			





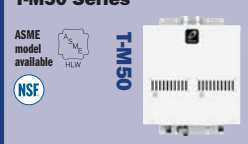
Clearance

Clearances to Combustible and Non-Combustible Surfaces



Models

IN or DV = Inside OS = Outside

			Connection: Gas/Water Power	Venting Intake Exhaust (Cat. III Stainless)	Easy-Link (EL) Multi-Unit (MU)	Temperature (with remote)	GPM (Max) Per Unit	Energy Factor NG, LP	NG Max (BTU/h), LP Max (BTU/h)	Dimension/ Weight
CONDENSING	**T-H3M Series** 	High efficiency ultra-low NOx condensing tankless. 3" PVC venting. 0" clearance to combustible.	1/2" Gas 3/4" Water 120 VAC	Intake & Exhaust 3", 70' Max, 5 elbow Max OR 4", 100' Max, 5 elbow Max (PVC venting capable) OS = no venting required	N/A	100 to 140 (100 to 140)	6.6	Energy Factor NG: 0.93 LP: 0.93	NG: 120,000 LP: 120,000	H = 22-7/8" W = 13-7/8" D = 10-13/16" 44 lbs
	T-H3J Series 	High efficiency ultra-low NOx condensing tankless. 3" PVC venting. 0" clearance to combustible.	3/4" Gas/Water 120 VAC	Intake & Exhaust 3", 70' Max, 5 elbow Max OR 4", 100' Max, 5 elbow Max (PVC venting capable) OS = no venting required	N/A	100 to 140 (100 to 140)	6.6	Energy Factor NG: 0.95 LP: 0.95	NG: 160,000 LP: 160,000	H = 22-1/2" W = 17-3/4" D = 10-3/4" 58 lbs
	T-H3S Series 	High efficiency ultra-low NOx condensing tankless. 3" PVC venting. 0" clearance to combustible.	3/4" Gas/Water 120 VAC	Intake & Exhaust 3", 70' Max, 5 elbow Max OR 4", 100' Max, 5 elbow Max (PVC venting capable) OS = no venting required	N/A	100 to 140 (100 to 140)	8.0	Energy Factor NG: 0.95 LP: 0.95	NG: 180,000 LP: 180,000	H = 22-1/2" W = 17-3/4" D = 10-3/4" 58 lbs
	T-H3 Series 	High efficiency ultra-low NOx condensing tankless. 3" PVC venting. 0" clearance to combustible.	3/4" Gas/Water 120 VAC	Intake & Exhaust 3", 70' Max, 5 elbow Max OR 4", 100' Max, 5 elbow Max (PVC venting capable) OS = no venting required	(EL) 4 units (MU) 20 units	100 to 185 (100 to 185)	10.0 (4 units generate 40 GPM Max; 20 units generate 200 GPM Max)	Energy Factor NG: 0.95 LP: 0.95	NG: 199,000 LP: 199,000	H = 22-1/2" W = 17-3/4" D = 10-3/4" 59 lbs
NON-CONDENSING ULTRA-LOW NOX	**T-KJr2 Series** 	Great for apartments, condos and summer cabins.	3/4" Gas/Water 120 VAC	IN Model: Intake 3" (50' Max) Exhaust 4" (50' Max)	N/A	113 to 140 (99 to 167)	6.6	Energy Factor NG: 0.82 LP: 0.83	NG: 140,000 LP: 140,000	H= 20-1/2" W= 13-3/4" D= 6-3/4" 33 lbs
	T-K4 Series 	Adds 1 more shower over the 110 at minimal increase in cost.	3/4" Gas/Water 120 VAC	IN Model: Intake 3" (50' Max) Exhaust 4" (50' Max)	N/A	113 to 140 (99 to 167)	8.0	Energy Factor NG: 0.82 LP: 0.82	NG: 190,000 LP: 190,000	H= 20-1/2" W= 13-3/4" D= 8-1/2" 38 lbs
	T-D2 Series 	Well suited for light commercial applications. HRS Copper.	3/4" Gas/Water 120 VAC	IN Model: Intake 3" (50' Max) Exhaust 4" (50' Max)	(EL) 4 units (MU) 20 units (T-D2U only)	104 to 185 (99 to 185)	10.0 (4 units generate 40 GPM Max; T-D2U generates up to 200 GPM Max)	Energy Factor NG: 0.82 LP: 0.82	NG: 199,000 LP: 199,000	H= 20-1/2" W= 13-3/4" D= 8-1/2" 39 lbs
NON-CONDENSING	**T-M32 Series** 	Generates 180 GPM (Max) when manifolding 20 units. HRS Copper. LED display	3/4" Gas/Water 120 VAC	Intake 4" (50' Max) Exhaust 4" (50' Max)	(EL) 4 units (MU) 20 units	100 to 185 (100 to 185)	9.0 (4 units generate 36 GPM Max; 20 units generate 180 GPM Max)	Thermal Efficiency NG: 82.2% LP: 83.9%	NG: 240,000 LP: 240,000	H= 23-5/8" W= 18-1/2" D= 8-7/8" 59 lbs
	T-M50 Series 	Generates most GPM in tankless industry. 14.5 GPM (Max). HRS Copper. LED display.	1" Gas/Water 120 VAC	Intake 5" (50' Max) Exhaust 5" (50' Max)	(EL) 4 units (MU) 10 units	100 to 185 (100 to 185)	14.5 (4 units generate 58 GPM Max; 10 units generate 145 GPM Max)	Thermal Efficiency NG: 80.2% LP: 82.4%	NG: 380,000 LP: 380,000	H= 25-1/4" W= 24-3/4" D= 11-3/4" 102 lbs

T-KJr2, T-K4 & T-D2 are available in standard non-condensing models, see pages 12-17