

TANKLESS RACK SYSTEM™ SUBMITTAL SHEET: FREE-STANDING RACK



Job Name: _____

Location: _____

Architect/Engineer: _____

Wholesaler: _____

Model No.:	Gas Type:	Total System Btu/h:
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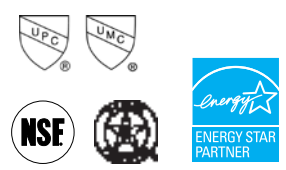
Notes: _____

FEATURES AND BENEFITS

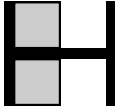









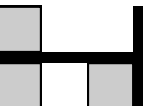
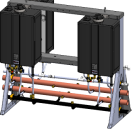
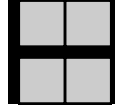

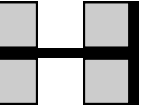
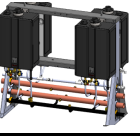
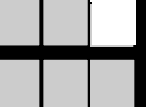
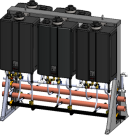
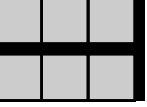
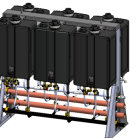
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| <ul style="list-style-type: none"> • Ultra-efficient condensing technology • Thermal Efficiency 97% • Modulating technology with up to 318:1 Turndown <ul style="list-style-type: none"> • 15,000 Btu/h to 4.8 Million Btu/h • 0.26 gpm to 235 GPM hot water flow range • Ultra Low NO_x - Complies with South Coast Air Quality Management District 14 ng/J or 20 ppm NO_x emission levels • Sealed Combustion • Venting Options: <ul style="list-style-type: none"> • Common Vent System PPTl, 8 units up to 150 feet • Concentric PPs - 150 ft max vent length • Dual Pipe PPs - 150 ft max vent length • PVC/CPVC - 2", 3", 4", 6" | <ul style="list-style-type: none"> • Pre-assembled rack with CU199 indoor or outdoor water heaters installed • Wall-mount or free-standing/floor mount options • Powder coated black iron gas pipe and copper water manifolds • Commercial controller available for hot water temperatures between 98°F and 185°F • Flexible stainless steel pipe connections from hot and cold manifold/water heater connections • Individual drain tee/drip leg on gas connection for each water heater • Marine grade powdered coated aluminum frame • TRS fits through standard 32" doorway • Lifting eyebolts on free-standing racks • Isolation and pressure relief valves included and installed on each water heater |
|--|--|

OPTIONS

Natural Gas	Free-standing Rack (in-line)	Cascade Cable (up to 24 units)
Propane	Free-standing Rack (back-to-back)	EZConnect® (for 2 units only)



FREE-STANDING RACKS

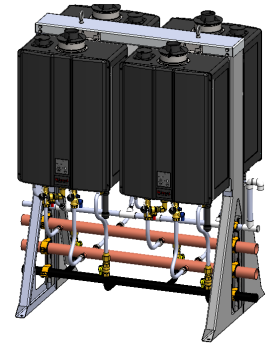
Part No.*	Rack type	Configuration	Illustration
TRS02CUiN	2-unit interior free-standing rack, NG	Back to Back 	
TRS02CUeN	2-unit exterior free-standing rack, NG		
TRS02CUiP	2-unit interior free-standing rack, LP		
TRS02CUeP	2-unit exterior free-standing rack, LP		
TRS02ILCUiN	2-unit INLINE interior free-standing rack, NG		
TRS02ILCUeN	2-unit INLINE exterior free-standing rack, NG		
TRS02ILCUiP	2-unit INLINE interior free-standing rack, LP		
TRS02ILCUeP	2-unit INLINE exterior free-standing rack, LP		
TRS23ILCUiN	2-unit INLINE interior free-standing rack, NG		
TRS23ILCUeN	2-unit INLINE exterior free-standing rack, NG		
TRS23ILCUiP	2-unit INLINE interior free-standing rack, LP		
TRS23ILCUeP	2-unit INLINE exterior free-standing rack, LP		
TRS03ILCUiN	3-unit INLINE interior free-standing rack, NG		
TRS03ILCUeN	3-unit INLINE exterior free-standing rack, NG		
TRS03ILCUiP	3-unit INLINE interior free-standing rack, LP		
TRS03ILCUeP	3-unit INLINE exterior free-standing rack, LP		
TRS03CUiN	3-unit interior free-standing rack, NG		
TRS03CUeN	3-unit exterior free-standing rack, NG		
TRS03CUiP	3-unit interior free-standing rack, LP		
TRS03CUeP	3-unit exterior free-standing rack, LP		
TRS36CUiN	3-unit interior free-standing rack, NG		
TRS36CUeN	3-unit exterior free-standing rack, NG		
TRS36CUiP	3-unit interior free-standing rack, LP		
TRS36CUeP	3-unit exterior free-standing rack, LP		
TRS04CUiN	4-unit interior free-standing rack, NG		
TRS04CUeN	4-unit exterior free-standing rack, NG		
TRS04CUiP	4-unit interior free-standing rack, LP		
TRS04CUeP	4-unit exterior free-standing rack, LP		
TRS46CUiN	4-unit interior free-standing rack, NG		
TRS46CUeN	4-unit exterior free-standing rack, NG		
TRS46CUiP	4-unit interior free-standing rack, LP		
TRS46CUeP	4-unit exterior free-standing rack, LP		
TRS05CUiN	5-unit interior free-standing rack, NG		
TRS05CUeN	5-unit exterior free-standing rack, NG		
TRS05CUiP	5-unit interior free-standing rack, LP		
TRS05CUeP	5-unit exterior free-standing rack, LP		
TRS06CUiN	6-unit interior free-standing rack, NG		
TRS06CUeN	6-unit exterior free-standing rack, NG		
TRS06CUiP	6-unit interior free-standing rack, LP		
TRS06CUeP	6-unit exterior free-standing rack, LP		

* Part No. Legend: TR = Tankless Rack; W = Wall Hanging; S = Stand Alone; IL = Inline; ILW = Inline Wall Mount; 2/3/4/5/6 = Number of Water Heaters; i/e = Interior/Exterior; NG/LP = Natural Gas/Liquid Propane

FREE-STANDING RACKS

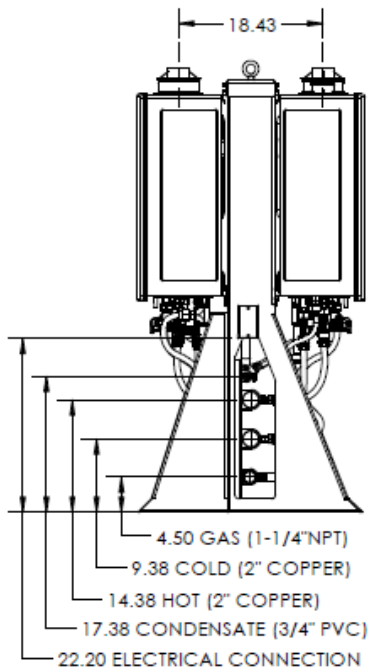
Available Configurations

- 2-Units, 3-Units, 4-Units, 5-Units, 6-Units

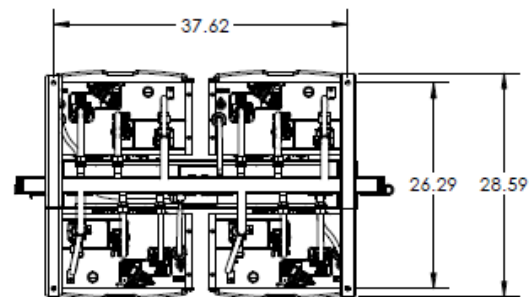
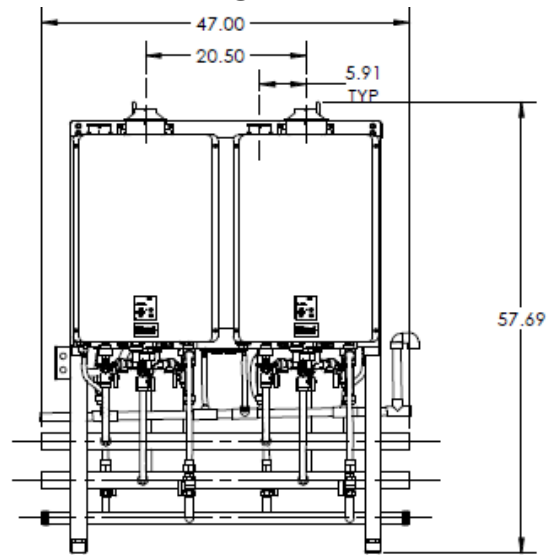


4-Unit Free-Standing Frame

LEFT



FRONT

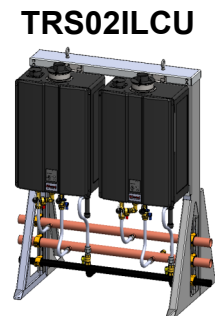
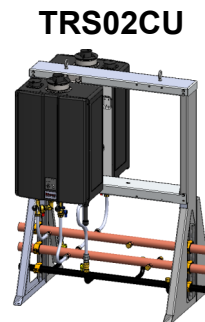
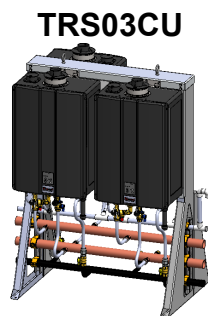
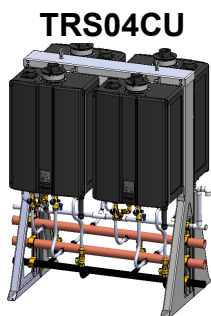


Model	Configuration	Illustration
TRS04CU		
TRS03CU		

Model	Configuration	Illustration
TRS02ILCU	Inline (facing same direction)	
TRS02CU	Back to Back	

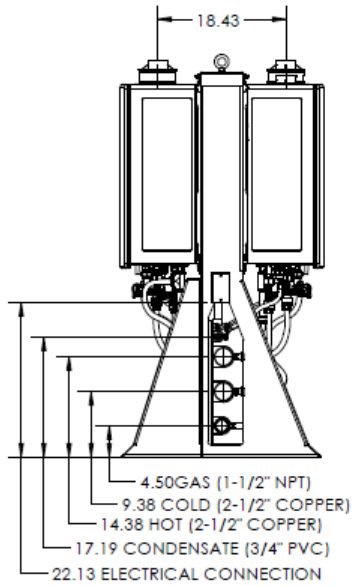
4-Unit Free-Standing Frame (Continued)

Model	TRS04CU	TRS03CU	TRS02CU	TRS02ILCU
Water Heater Model	CU199i, CU199e (NG/LP)			
Crate Dimensions (HxLxD) - in	66 x 70 x 35			
Weight - Fully Assembled - lbs	365	290	214	214
Weight - Shipping (total) - lbs	562	490	416	416
Rack Frame - Specifications				
Frame Rail Type	Sheet Metal			
Frame Material	Aluminum (0.090 5052-H32)			
Frame Finish	Powder Coat			
Color	Gray			
Water & Gas Connections				
Hot Water Trunk Line Diameter	2"			
Cold Water Trunk Line Diameter	2"			
Hot Water Trunk Line Material	Rigid Copper			
Cold Water Trunk Line Material	Rigid Copper			
Water Trunk Connection Type	2" PIPE			
Gas Trunk Line Diameter	1-1/4"			
Gas Trunk Connection Type	1-1/4" MNPT			
Gas Trunk Line Material	Sch 40 Steel			
Gas Trunk Branch Line Material	PVC Over CSST			
Condensate Trunk Line Diameter	3/4"			N/A
Condensate Trunk Material	Sch-40 PVC			N/A
Condensate Trunk Connection Type	3/4" Pipe			N/A
Electric Requirements				
Prewired Electrical Assembly	Yes (Indoor Models Only)			N/A
Voltage	AC 120 Volts—60 Hz			
Maximum Current (Amperes)	16	12		8
BTU and Flow Rates for CU199i, CU199e (NG/LP)				
Number of Tankless Water Heaters	4	3		2
Flow rate @ 70°F rise (gpm)	21.6	16.2		10.8
Flow rate @ 100°F rise (gpm)	15.2	11.4		7.6
Minimum input rate (Btuh)	15,200			
Maximum input rate (Btuh)	796,000	597,000		398,000

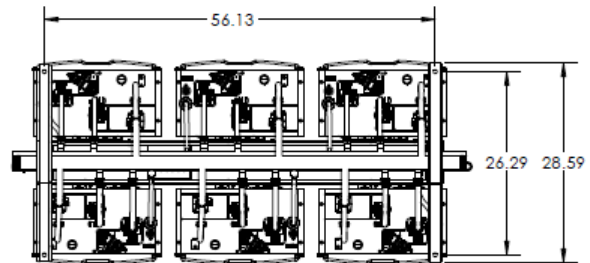
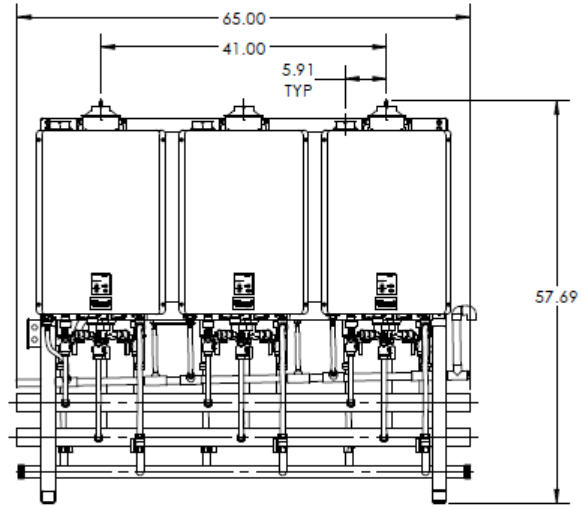


6-Unit Free-Standing Frame

LEFT



FRONT

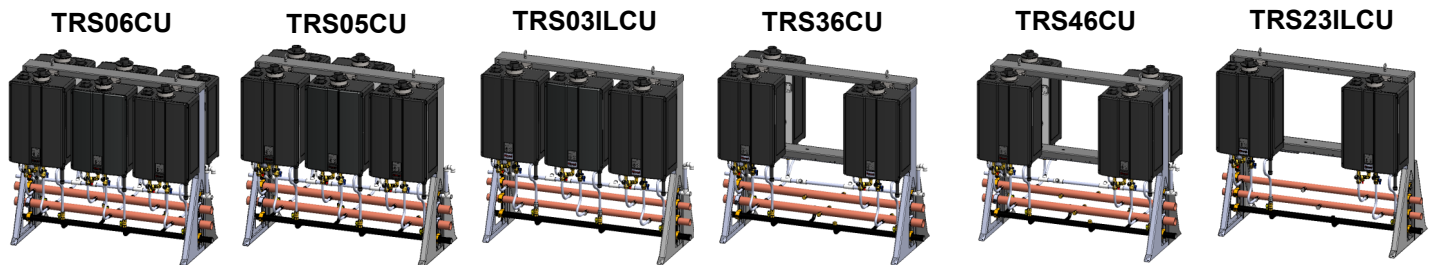


BOTTOM

Model	Configuration	Illustration	Model	Configuration	Illustration
TRS06CU			TRS36CU		
TRS05CU			TRS46CU		
TRS03ILCU			TRS23ILCU		

6-Unit Free-Standing Frame (Continued)

Rack Frame - Specifications						
Frame Rail Type	Sheet Metal					
Frame Material	Aluminum (0.090 5052-H32)					
Frame Finish	Powder Coat					
Color	Gray					
Water & Gas Connections						
Hot Water Trunk Line Diameter	2-1/2"			2"		
Cold Water Trunk Line Diameter	2-1/2"			2"		
Hot Water Trunk Line Material	Rigid Copper					
Cold Water Trunk Line Material	Rigid Copper					
Water Trunk Connection Type	2-1/2" PIPE			2" PIPE		
Gas Trunk Line Diameter	1-1/2"			1-1/4"		
Gas Trunk Connection Type	1-1/2" MNPT			1-1/4" MNPT		
Gas Trunk Line Material	Sch 40 Steel					
Gas Branch Line Material	PVC Over CSST					
Condensate Trunk Line Diameter	3/4"					N/A
Condensate Trunk Line Material	Sch-40 PVC					N/A
Condensate Trunk Connection Type	3/4" Pipe					N/A
Electric Requirements						
Prewired Electrical Assembly	Yes (Indoor Models Only)					N/A
Voltage	AC 120 Volts—60 Hz					
Max Current (Amperes)	24	20	16	12	12	8
BTU and Flow Rates for CU199i, CU199e (NG/LP)						
Number of Tankless Water Heaters	6	5	3	4	2	
Flow rate @ 70°F rise (gpm)	32.4	27.0	16.2	21.6	10.8	
Flow rate @ 100°F rise (gpm)	22.8	19.0	11.4	15.1	7.6	
Minimum input rate (Btuh)	15,200					
Maximum input rate (Btuh)	1,194,000	995,000	597,000	796,000	398,000	



NOTES



Learn more about Rinnai high-performance Tankless Water Heaters, Hybrid Water Heating Systems, Boilers, Vent-Free Fan Convectors and EnergySaver® Direct Vent Wall Furnaces at:

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Local, state, provincial, federal and national fuel gas codes must be adhered to prior to and upon installation.