



Condensing High Efficiency Gas Tankless

0.95
Energy Factor

PVC
Venting

0"
Clearance Venting

FEATURES

- ENERGY STAR® Qualified
- Primary Heat Exchanger is constructed of HRS35 Commercial-Grade Copper which is more resilient against erosion
- Secondary Heat Exchanger is made of Type 316L Stainless Steel
- Complies with Lead Free Standards
- 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

- EFFICIENCY
- DURABILITY
- EASE-OF-INSTALLATION



INDOOR MODELS
ATI-240H, ATI-340H,
ATI-540H

OUTDOOR MODELS
ATO-240H, ATO-340H,
ATO-540H

COMPARISON

	FEATURES	NAVIEN NR240(A)	RINNAI RU98i	NORITZ NRC1111	A. O. SMITH 540
Efficiency	Energy Factor	0.95	0.95	0.92	0.95
Durability	HRS35 Copper Primary Heat Exchanger	NO (Stainless Steel)	NO (C1220 copper)	NO	YES! HRS35 is a more durable copper which allows for higher heat transfer versus stainless steel
	316L Stainless Steel Secondary Heat Exchanger	NO	NO	NO	YES! 316L Stainless Steel is a corrosion resistant material that protects the water heater from acidic condensation
	Same Models Residential and Commercial	NO (Different Models: NR/NP)	YES (But different remotes are needed)	NO (Different Models: NRC/NCC)	YES! Our units are more durable and can be used in multiple applications (manufacture approved and still under warranty in Residential, Commercial, Heating)
	Robust exhaust temperature monitoring safety system	NO (High-limit Switch only)	NO (High-limit Switch only)	NO (High-limit Switch only)	YES! Contains both a high-limit switch and a thermistor, adding protection to our water heaters when venting with PVC
Ease-of-Installation	Weight of Water Heater	86 lbs	71 lbs	66 lbs	59 lbs One person installation
	Metal Vent Collar (Condensing Models)	NO (Plastic)	YES (But CANNOT use PVC venting)	NO	YES! With gaskets inside our metal vent collars, glue is no longer needed to attach PVC venting, simplifying installations
	Venting/Flexibility/Options	<ul style="list-style-type: none"> • PVC 3" up to 100' (cannot use Schedule 40 PVC on recirculation over 150°F) 	<ul style="list-style-type: none"> • Proprietary Venting (NOT PVC. Have to use Rinnai's venting, which can add installation cost) 	<ul style="list-style-type: none"> • Schedule 40 PVC 3" up to 16' (NR111) • Schedule 40 PVC 3" up to 62' (De-rates unit up to 10%, NR98) 	<ul style="list-style-type: none"> • Schedule 40 PVC 3" up to 70' • Schedule 40 PVC 4" up to 100' • PVC venting can be used with all set temperatures and all applications. Stainless steel venting can also be used as an option (vent length guidelines are the same as with PVC)
	Built-in controller on front panel for temperature and diagnostics settings (Indoor model only)	NO	YES	NO	YES! Plus temperature adjustments and 31 diagnostics readings including: water flow rate, water temperatures throughout the heater, calculated energy usage, exhaust temperature readings, etc.

SPECIFICATIONS

MODEL NUMBER	FUEL TYPE	GAS CONSUMPTION INPUT		INLET GAS PRESSURE		ENERGY FACTOR	MAX GPM*	HOT/COLD AND GAS CONN.	DIMENSIONS IN INCHES			UNIT WEIGHT (LBS)
		MINIMUM BTU/H	MAXIMUM BTU/H	MIN. W.C.	MAX. W.C.				HEIGHT	WIDTH	DEPTH	
INDOOR												
ATI-240H-N	Natural	15,000	160,000	5.0	10.5	0.95	6.6	3/4" NPT	23-5/8	17-3/4	11-1/4	58
ATI-240H-P	Propane	13,000	160,000	8.0	14.0	0.95	6.6	3/4" NPT	23-5/8	17-3/4	11-1/4	58
ATI-340H-N	Natural	15,000	180,000	5.0	10.5	0.95	8.0	3/4" NPT	23-5/8	17-3/4	11-1/4	58
ATI-340H-P	Propane	13,000	180,000	8.0	14.0	0.95	8.0	3/4" NPT	23-5/8	17-3/4	11-1/4	58
ATI-540H-N	Natural	15,000	199,000	5.0	10.5	0.95	10.0	3/4" NPT	23-5/8	17-3/4	11-1/4	59
ATI-540H-P	Propane	13,000	199,000	8.0	14.0	0.95	10.0	3/4" NPT	23-5/8	17-3/4	11-1/4	59
OUTDOOR												
ATO-240H-N	Natural	15,000	160,000	5.0	10.5	0.95	6.6	3/4" NPT	23-5/8	17-3/4	11-1/4	58
ATO-240H-P	Propane	13,000	160,000	8.0	14.0	0.95	6.6	3/4" NPT	23-5/8	17-3/4	11-1/4	58
ATO-340H-N	Natural	15,000	180,000	5.0	10.5	0.95	8.0	3/4" NPT	23-5/8	17-3/4	11-1/4	58
ATO-340H-P	Propane	13,000	180,000	8.0	14.0	0.95	8.0	3/4" NPT	23-5/8	17-3/4	11-1/4	58
ATO-540H-N	Natural	15,000	199,000	5.0	10.5	0.95	10.0	3/4" NPT	23-5/8	17-3/4	11-1/4	59
ATO-540H-P	Propane	13,000	199,000	8.0	14.0	0.95	10.0	3/4" NPT	23-5/8	17-3/4	11-1/4	59

15-150 psi Water Pressure. 40 psi or above is recommended for maximum flow.
 *Current numbers based on factory testing; 0.4 GPM required for continuous fire after initial ignition.
 Indoor models are certified from sea level to 10,100 ft. elevations.
 In accordance with ANSI Z21.10.3, CO emission does not exceed 400 PPM for normal input.
 The manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligation.

	Warmer Climates 70°F Incoming Groundwater Temperature	Cooler Climates 40°F Incoming Groundwater Temperature
Capacity - Number of Shower Heads		
ATI-240H	2 Showers	1 Shower
ATO-240H	2 Showers	1 Shower
ATI-340H	3 Showers	2 Showers
ATO-340H	3 Showers	2 Showers
ATI-540H	4 Showers	3 Showers
ATO-540H	4 Showers	3 Showers

FEATURES 240H / 340H MODELS

- .95 EF
- Primary Heat Exchanger is constructed of HRS35 Commercial-Grade Copper which is more resilient against erosion
- Secondary Heat Exchanger is made of Type 316L Stainless Steel
- 3" venting up to 70 ft
- 4" venting up to 100 ft
- Indoor model includes a built-in temperature controller and advanced diagnostics
- Outdoor model includes a wall mount temperature remote controller and advanced diagnostics which can be installed up to 400 ft from unit
- 100-140 degrees (5 degree intervals settings)

540H MODELS

- .95EF
- Primary Heat Exchanger is constructed of HRS35 Commercial-Grade Copper which is more resilient against erosion
- Secondary Heat Exchanger is made of Type 316L Stainless Steel
- 3" venting up to 70 ft
- 4" venting up to 100 ft
- Indoor model includes a built-in temperature controller and advanced diagnostics
- Outdoor model includes a wall mount temperature remote controller and advanced diagnostics which can be installed up to 400 ft from unit
- 100-185 degrees (17 settings in 5 degree intervals)
- Easy Link up to 4 units (with no additional parts or accessories needed)
- Multi-Link up to 20 units



ANSI Z21.10.3 CSA 4.3

(540 models)