

Premium Condensing Tankless Gas Water Heater (NPE-A)

Product		 <p>NPE-180A</p>	 <p>NPE-210A</p>	 <p>NPE-240A</p>
Summary		<ul style="list-style-type: none"> • ½" gas pipe capable up to 24' • Field convertible gas system • Ultra condensing efficiency • Dual stainless steel heat exchangers • Low NOx emissions ($\leq 20\text{ppm}$) • SCH 40, 2" venting up to 60' • Cascading capable 	<ul style="list-style-type: none"> • ½" gas pipe capable up to 24' • Field convertible gas system • Ultra condensing efficiency • Dual stainless steel heat exchangers • Low NOx emissions ($\leq 20\text{ppm}$) • SCH 40, 2" venting up to 60' • Cascading capable 	<ul style="list-style-type: none"> • ½" gas pipe capable up to 24' • Field convertible gas system • Ultra condensing efficiency • Dual stainless steel heat exchangers • Low NOx emissions ($\leq 20\text{ppm}$) • SCH 40, 2" venting up to 60' • Cascading capable
Heat Capacity (Input)	Natural Gas	15,000-150,000 BTU/h	19,900-180,000 BTU/H	19,900-199,900 BTU/H
	Propane Gas	15,000-150,000 BTU/h	19,900-180,000 BTU/H	19,900-199,900 BTU/H

Efficiency Ratings	UEF (for NG & LP)	0.96	0.96	0.96
	EF (Canada) (for NG & LP)	0.97	0.97	0.97
Flow Rate (DHW)	35°F(19°C) Temp Rise	8.4 GPM (32 L/m)	10.1 GPM (38 L/m)	11.2 GPM (42 L/m)
	45°F(25°C) Temp Rise	6.5 GPM (25 L/m)	7.8 GPM (30 L/m)	8.7 GPM (33 L/m)
	67°F(36°C) Temp Rise	4.3 GPM (16 L/m)	5.0 GPM (19 L/m)	5.6 GPM (21 L/m)
Dimensions		17.3"(W) x 27.4"(H) x 13.2"(D)	17.3"(W) x 27.4"(H) x 13.2"(D)	17.3"(W) x 27.4"(H) x 13.2"(D)
Weight		75 lbs (34kg)	82 lbs (37 kg)	82 lbs (37 kg)
Installation Type		Indoor or Outdoor Wall-Hung	Indoor or Outdoor Wall-Hung	Indoor or Outdoor Wall-Hung
Venting Type		Forced draft direct vent	Forced Draft Direct Vent	Forced Draft Direct Vent
Ignition		Electronic Ignition	Electronic Ignition	Electronic Ignition
Water Pressure		15-150 PSI	15-150 PSI	15-150 PSI
Natural Gas Supply Pressure (from source)		3.5"-10.5" WC	3.5"-10.5" WC	3.5"-10.5" WC
Propane Gas Supply Pressure (from source)		8"-13" WC	8"-13" WC	8"-13" WC

Natural Gas Manifold Pressure (min to max)		-0.04" WC to -0.84" WC	-0.04" WC to -0.36" WC	-0.04" WC to -0.58" WC
Propane Gas Manifold Pressure(min to max)		-0.03" WC to -0.50" WC	-0.02" WC to -0.66" WC	-0.02" WC to -0.78" WC
Minimum Flow Rate		0.5GPM(1.9L/M), <0.01GPM(0.04L/M) option for "A"models *	0.5GPM(1.9L/M), <0.01GPM(0.04L/M) option for "A"models *	0.5GPM(1.9L/M), <0.01GPM(0.04L/M) option for "A"models *
Connection Sizes	Cold Water Inlet	3/4" NPT	3/4" NPT	3/4" NPT
	Hot Water Outlet	3/4" NPT	3/4" NPT	3/4" NPT
	Recirculation Inlet	3/4" NPT	3/4" NPT	3/4" NPT
	Gas Inlet	3/4" NPT (Suitable for use with 1/2" rigid gas pipe; refer to installation manual for sizing criteria)	3/4" NPT (Suitable for use with 1/2" rigid gas pipe; refer to installation manual for sizing criteria)	3/4" NPT (Suitable for use with 1/2" rigid gas pipe; refer to installation manual for sizing criteria)
Power Supply	Main Supply	120 V AC, 60Hz	120 V AC, 60Hz	120 V AC, 60Hz
	Maximum Power Consumption	200W (max 2A), 350W (max 4A) with external pump connected	200W (max 2A), 350W (max 4A) with external pump connected	200W (max 2A), 350W (max 4A) with external pump connected

Materials	Casing	Cold rolled carbon steel	Cold rolled carbon steel	Cold rolled carbon steel
	Heat Exchangers	Primary Heat Exchanger: Stainless Steel Secondary Heat Exchanger: Stainless Steel	Primary Heat Exchanger: Stainless Steel Secondary Heat Exchanger: Stainless Steel	Primary Heat Exchanger: Stainless Steel Secondary Heat Exchanger: Stainless Steel
Venting	Exhaust	2" or 3" PVC, CPVC, Polypropylene 2" or 3" Special Gas Vent Type BH (Class II, A/B/C)	2" or 3" PVC, CPVC, Polypropylene 2" or 3" Special Gas Vent Type BH (Class II, A/B/C)	2" or 3" PVC, CPVC, Polypropylene 2" or 3" Special Gas Vent Type BH (Class II, A/B/C)
	Intake	2" or 3" PVC, CPVC, Polypropylene 2" or 3" Special Gas Vent Type BH (Class II, A/B/C)	2" or 3" PVC, CPVC, Polypropylene 2" or 3" Special Gas Vent Type BH (Class II, A/B/C)	2" or 3" PVC, CPVC, Polypropylene 2" or 3" Special Gas Vent Type BH (Class II, A/B/C)
	Vent Clearances	0" to Combustibles	0" to Combustibles	0" to Combustibles
Safety Devices		APS, Ignition Operation Detector, Water Temperature High Limit Switch, Exhaust Temperature High Limit Sensor, Power Surge Fuse	APS, Ignition Operation Detector, Water Temperature High Limit Switch, Exhaust Temperature High Limit Sensor, Power Surge Fuse	APS, Ignition Operation Detector, Water Temperature High Limit Switch, Exhaust Temperature High Limit Sensor, Power Surge Fuse