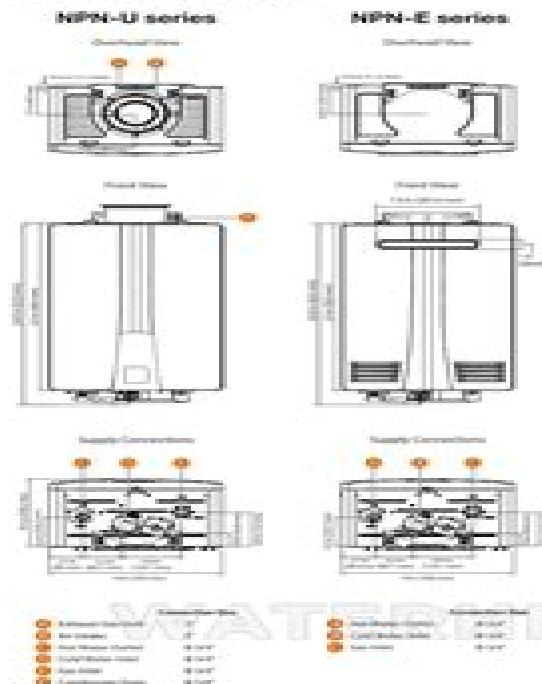


## Dimensions



## Ratings & specifications

Item	NPN-Universal Model			NPN-Exterior Model			
	NPN-1000U	NPN-1500U	NPN-2000U	NPN-3000	NPN-3500	NPN-4000	
Heat capacity (Btu/h)	10,700– 160,000 (337,000)	10,700– 160,000 (337,000)	10,700– 160,000 (337,000)	10,700– 160,000 (337,000)	10,700– 160,000 (337,000)	10,700– 160,000 (337,000)	
Efficiency Rating for NG-LP-LP	0.82 LER	0.82 LER	0.82 LER	0.82 LER	0.82 LER	0.82 LER	
Flow rate (GPM)	0.071 (0.019) Temp rise 140°F (25°C) Temp rise 122.3°F (50.0°C) Temp rise 115.1°F (41.7°C) Temp rise	0.12 (0.024) 0.18 (0.032) 0.24 (0.048) 0.30 (0.062) 0.36 (0.072) 0.42 (0.084)	0.18 (0.032) 0.28 (0.052) 0.40 (0.080) 0.50 (0.100) 0.60 (0.120) 0.70 (0.140)	0.25 (0.048) 0.35 (0.068) 0.50 (0.100) 0.65 (0.130) 0.80 (0.160) 0.95 (0.190)	0.35 (0.072) 0.50 (0.100) 0.70 (0.140) 0.90 (0.180) 1.10 (0.220) 1.30 (0.260)	0.45 (0.084) 0.65 (0.130) 0.90 (0.180) 1.15 (0.230) 1.40 (0.280) 1.65 (0.320)	0.55 (0.100) 0.80 (0.160) 1.10 (0.220) 1.40 (0.280) 1.70 (0.340) 2.00 (0.400)
Dimensions	14.0" W x 20.0" H x 9.0" D	14.0" W x 20.0" H x 9.0" D	14.0" W x 20.0" H x 9.0" D	14.0" W x 20.0" H x 9.0" D	14.0" W x 20.0" H x 9.0" D	14.0" W x 20.0" H x 9.0" D	
Weight	55.0 lbs. 125.4kg	60.0 lbs. 132.2kg	60.0 lbs. 132.2kg	65.0 lbs. 143.4kg	65.0 lbs. 143.4kg	65.0 lbs. 143.4kg	
Installation type	Indoor or outdoor wall-mount (heat kit option for outdoor)	Only outdoor wall-mount					
Venting type	Exhaust	Exhaust	Exhaust	Exhaust	Exhaust	Exhaust	
Ignition type	Electronic ignition						
Water pressure	15–100 PSI						
Natural gas supply pressure (Burner source)	3.07" W.C. – 10.87" W.C.						
Propane gas supply pressure (Burner source)	8" W.C. – 10.87" W.C.						
Natural gas manifold pressure (Burner source)	0.200" W.C. – 0.207" W.C.	0.227" W.C. – 0.237" W.C.	0.241" W.C. – 0.251" W.C.	0.253" W.C. – 0.263" W.C.	0.267" W.C. – 0.277" W.C.	0.289" W.C. – 0.299" W.C.	
Propane gas manifold pressure (Burner source)	0.180" W.C. – 0.187" W.C.	0.207" W.C. – 0.217" W.C.	0.221" W.C. – 0.231" W.C.	0.234" W.C. – 0.244" W.C.	0.257" W.C. – 0.267" W.C.	0.271" W.C. – 0.281" W.C.	
Minimum flow rate	0.5 GPM (18.9L/min)						
Connections	Cold water inlet Hot water outlet Gas inlet	3/4" NPT					
Size							
Power supply	120VAC, 60 Hz Normal Standby Anti-trail External pump Flame	120VAC, 60 Hz 120VAC 120VAC 114.7W < 150 W, 1.5 A 150 W	120VAC, 60 Hz 120VAC 120VAC 114.7W < 150 W, 1.5 A 150 W	120VAC, 60 Hz 120VAC 120VAC 114.7W < 150 W, 1.5 A 150 W	120VAC, 60 Hz 120VAC 120VAC 114.7W < 150 W, 1.5 A 150 W	120VAC, 60 Hz 120VAC 120VAC 114.7W < 150 W, 1.5 A 150 W	
Materials	Casing Heat exchanger	Cold rolled carbon steel Stainless steel					
Safety devices	Flame rod, AFR, overheat protection, ignition-suspension detector, flame failure detection, low water cut-off, overheat protection, flame rod, AFR, overheat protection, ignition-suspension detector, flame failure detection, low water cut-off						

## Warranty

Application	Labour	Parts	Warranty Exclusions
Residential	Standard	1 year	5 years
	Uncontrolled Recirculation*	1 year	5 years
Commercial or Control	Standard	1 year	5 years
	Uncontrolled Recirculation*	1 year	5 years

<sup>10</sup>Combi refers to a combination-polluting water and aquatic Fertilizing Application. Water Polluting Combi can only be used in aquatic Fertilizing only applications.

Uncontrolled Recirculation: External pumps configured to circulate continuously through the water system are subject to the uncontrolled recirculation warranty terms. An aquastat is the minimum pump control requirement for DHW or storage tank recirculation in order to maintain the full controlled recirculation warranty.

For a complete electronic version of the Bill, full text and legislative history, go to [www.legis.state.ma.us](http://www.legis.state.ma.us).



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