

## Dimensions



**Dimensions**

**NPM-U series**

**NPM-E series**

## Warranty

Application		Labor	Parts	Heat Exchanger
Residential	Standard	1 year	5 years	10 years
	Uncontrolled Recirculation <sup>1</sup>	1 year	3 years	5 years
Commercial or Central <sup>2</sup>	Standard	1 year	5 years	5 years
	Uncontrolled Recirculation <sup>1</sup>	1 year	3 years	5 years

## Ratings & specifications

Item	NPM-Universal Model				NPM-Exterior Model		
	NPM-100UL	NPM-150UL	NPM-200UL	NPM-300UL	NPM-100E	NPM-150E	NPM-200E
Heat capacity (input) natural gas/propane/gas	10,700– 160,000 (BTU/h)	10,700– 160,000 (BTU/h)	10,700– 160,000 (BTU/h)	10,700– 160,000 (BTU/h)	10,700– 160,000 (BTU/h)	10,700– 160,000 (BTU/h)	10,700– 160,000 (BTU/h)
Efficiency Rating for NOx & LP	90% NERP	90% NERP	90% NERP	90% NERP	90% NERP	90% NERP	90% NERP
Flow rate (GPM)	35°F (12°C) Temp. rise: 60°F (22°C) Temp. rise: 60°F (22°C) Temp. rise:	7.0 GPM (25.0 L/min) 7.4 GPM (28.0 L/min) 8.0 GPM (30.0 L/min)	8.5 GPM (32.0 L/min) 9.0 GPM (34.0 L/min)	10.5 GPM (38.0 L/min) 11.0 GPM (40.0 L/min)	8.5 GPM (32.0 L/min) 9.0 GPM (34.0 L/min)	9.0 GPM (34.0 L/min) 10.0 GPM (38.0 L/min)	10.5 GPM (38.0 L/min) 11.0 GPM (40.0 L/min)
Dimensions	14.07" W x 23.07" H x 9.37" D	14.07" W x 23.07" H x 9.37" D	14.07" W x 23.07" H x 9.37" D	14.07" W x 23.07" H x 9.37" D	14.07" W x 23.07" H x 9.37" D	14.07" W x 23.07" H x 9.37" D	14.07" W x 23.07" H x 9.37" D
Weight	55.0 lbs. (25.0 kg)	55.0 lbs. (25.0 kg)	55.0 lbs. (25.0 kg)	55.0 lbs. (25.0 kg)	55.0 lbs. (25.0 kg)	55.0 lbs. (25.0 kg)	55.0 lbs. (25.0 kg)
Installation type	Indoor or outdoor wall-mount (select kit option for outdoor)	Indoor or outdoor wall-mount (select kit option for outdoor)	Indoor or outdoor wall-mount (select kit option for outdoor)	Indoor or outdoor wall-mount (select kit option for outdoor)	Only outdoor wall-mount	Only outdoor wall-mount	Only outdoor wall-mount
Valving type	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional
Ignition type	Electronic ignition	Electronic ignition	Electronic ignition	Electronic ignition	Electronic ignition	Electronic ignition	Electronic ignition
Water pressure	10–150 PSI	10–150 PSI	10–150 PSI	10–150 PSI	10–150 PSI	10–150 PSI	10–150 PSI
Propane gas supply pressure (from source)	87 WFC – 107 WFC	87 WFC – 107 WFC	87 WFC – 107 WFC	87 WFC – 107 WFC	87 WFC – 107 WFC	87 WFC – 107 WFC	87 WFC – 107 WFC
Natural gas manifold pressure (from source)	0.007 WFC – 0.707 WFC	0.007 WFC – 0.707 WFC	0.007 WFC – 0.707 WFC	0.007 WFC – 0.707 WFC	0.007 WFC – 0.707 WFC	0.007 WFC – 0.707 WFC	0.007 WFC – 0.707 WFC
Propane gas manifold pressure (from source)	0.007 WFC – 0.507 WFC	0.007 WFC – 0.507 WFC	0.007 WFC – 0.507 WFC	0.007 WFC – 0.507 WFC	0.007 WFC – 0.507 WFC	0.007 WFC – 0.507 WFC	0.007 WFC – 0.507 WFC
Minimum flow rate	0.5 GPM (18.9 L/min)	0.5 GPM (18.9 L/min)	0.5 GPM (18.9 L/min)	0.5 GPM (18.9 L/min)	0.5 GPM (18.9 L/min)	0.5 GPM (18.9 L/min)	0.5 GPM (18.9 L/min)
Connections size	Cold water inlet: Hot water outlet: Gas inlet: Main supply: Normal: Standby: Auxiliary: External pump: Flue: Materials: Heat exchanger:	3/4" NPT 3/4" NPT 1/2" NPT 100WFC, 160 PSI 160 WFC 160 WFC 1.01" WFC < 150 W, 1.5 A 160 A Cold rolled carbon steel Stainless steel	3/4" NPT 3/4" NPT 1/2" NPT 100WFC, 160 PSI 160 WFC 160 WFC 1.01" WFC < 150 W, 1.5 A 160 A Cold rolled carbon steel Stainless steel	3/4" NPT 3/4" NPT 1/2" NPT 100WFC, 160 PSI 160 WFC 160 WFC 1.01" WFC < 150 W, 1.5 A 160 A Cold rolled carbon steel Stainless steel	3/4" NPT 3/4" NPT 1/2" NPT 100WFC, 160 PSI 160 WFC 160 WFC 1.01" WFC < 150 W, 1.5 A 160 A Cold rolled carbon steel Stainless steel	3/4" NPT 3/4" NPT 1/2" NPT 100WFC, 160 PSI 160 WFC 160 WFC 1.01" WFC < 150 W, 1.5 A 160 A Cold rolled carbon steel Stainless steel	3/4" NPT 3/4" NPT 1/2" NPT 100WFC, 160 PSI 160 WFC 160 WFC 1.01" WFC < 150 W, 1.5 A 160 A Cold rolled carbon steel Stainless steel
Safety devices	Flame rod, APRS, overheat protection, ignition-operation detector, water temperature high limit switch, power surge tube						

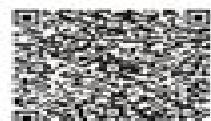
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<sup>1</sup>Combli refers to a combination potable water and space heating application. Water heaters cannot be used in space heating only applications.

<sup>2</sup>Uncontrolled Recirculation: External pump configured to circulate continuously through the water heater are subject to the uncontrolled recirculation warranty terms. An aquastat is the minimum pump control requirement for DRAV or storage tank recirculation in order to maintain the full controlled recirculation warranty.

For complete details please refer to the full warranty at [www.navieninc.com](http://www.navieninc.com).



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# Navien Service Manual

**W. Winter**

**Navien Service Manual:**

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