

## 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	94% NHP	94% NHP	94% NHP	94% NHP	94% NHP	94% NHP	94% NHP
Flow rate (GPM)	35°F (12°C) Temp. rise: 60°F (22°C) Temp. rise: 60°F (22°C) Temp. rise:	7.6 GPM (22.0 L/min) 7.4 GPM (22.0 L/min) 7.0 GPM (19.0 L/min)	11.5 GPM (32.0 L/min) 11.4 GPM (32.0 L/min) 11.0 GPM (30.0 L/min)	17.5 GPM (50.0 L/min) 17.4 GPM (50.0 L/min) 17.0 GPM (50.0 L/min)	11.5 GPM (32.0 L/min) 11.4 GPM (32.0 L/min) 11.0 GPM (30.0 L/min)	17.5 GPM (50.0 L/min) 17.4 GPM (50.0 L/min) 17.0 GPM (50.0 L/min)	11.5 GPM (32.0 L/min) 11.4 GPM (32.0 L/min) 11.0 GPM (30.0 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)	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)
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°WEC – 107°WEC	87°WEC – 107°WEC	87°WEC – 107°WEC	87°WEC – 107°WEC	87°WEC – 107°WEC	87°WEC – 107°WEC	87°WEC – 107°WEC
Natural gas manifold pressure (from source)	10.807 WEC, 10.707 WEC	10.807 WEC, 10.707 WEC	10.807 WEC, 10.707 WEC	10.807 WEC, 10.707 WEC	10.807 WEC, 10.707 WEC	10.807 WEC, 10.707 WEC	10.807 WEC, 10.707 WEC
Propane gas manifold pressure (from source)	9.807 WEC, 9.707 WEC	9.807 WEC, 9.707 WEC	9.807 WEC, 9.707 WEC	9.807 WEC, 9.707 WEC	9.807 WEC, 9.707 WEC	9.807 WEC, 9.707 WEC	9.807 WEC, 9.707 WEC
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 100WAC, 160 PSI 160 W 120 W 160 W 1.14" OD < 150 W, 1.5 A 160 A Cold rolled carbon steel Stainless steel	3/4" NPT 3/4" NPT 1/2" NPT 100WAC, 160 PSI 160 W 120 W 160 W 1.14" OD < 150 W, 1.5 A 160 A Cold rolled carbon steel Stainless steel	3/4" NPT 3/4" NPT 1/2" NPT 100WAC, 160 PSI 160 W 120 W 160 W 1.14" OD < 150 W, 1.5 A 160 A Cold rolled carbon steel Stainless steel	3/4" NPT 3/4" NPT 1/2" NPT 100WAC, 160 PSI 160 W 120 W 160 W 1.14" OD < 150 W, 1.5 A 160 A Cold rolled carbon steel Stainless steel	3/4" NPT 3/4" NPT 1/2" NPT 100WAC, 160 PSI 160 W 120 W 160 W 1.14" OD < 150 W, 1.5 A 160 A Cold rolled carbon steel Stainless steel	3/4" NPT 3/4" NPT 1/2" NPT 100WAC, 160 PSI 160 W 120 W 160 W 1.14" OD < 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						

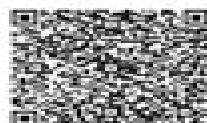
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Please refer to [www.navieninc.com](http://www.navieninc.com) to verify you have the most current information.



<sup>1</sup>Combil 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 DRAW 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

**Jianjun Gao**

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### **Table of Contents Navien Service Manual**

1. Understanding the eBook Navien Service Manual
  - The Rise of Digital Reading Navien Service Manual
  - Advantages of eBooks Over Traditional Books
2. Identifying Navien Service Manual
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Navien Service Manual
  - User-Friendly Interface
4. Exploring eBook Recommendations from Navien Service Manual
  - Personalized Recommendations
  - Navien Service Manual User Reviews and Ratings
  - Navien Service Manual and Bestseller Lists

5. Accessing Navien Service Manual Free and Paid eBooks
  - Navien Service Manual Public Domain eBooks
  - Navien Service Manual eBook Subscription Services
  - Navien Service Manual Budget-Friendly Options
6. Navigating Navien Service Manual eBook Formats
  - ePUB, PDF, MOBI, and More
  - Navien Service Manual Compatibility with Devices
  - Navien Service Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Navien Service Manual
  - Highlighting and Note-Taking Navien Service Manual
  - Interactive Elements Navien Service Manual
8. Staying Engaged with Navien Service Manual
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Navien Service Manual
9. Balancing eBooks and Physical Books Navien Service Manual
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Navien Service Manual
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Navien Service Manual
  - Setting Reading Goals Navien Service Manual
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Navien Service Manual
  - Fact-Checking eBook Content of Navien Service Manual
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

#### 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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