



# Rinnai®

## PLUS Series

AVAILABLE FOR  
PURCHASE AS A  
PACKAGE OR STAND-  
ALONE UNIT!

## TANKLESS WATER HEATERS DESIGNER PLUS SERIES

FOR RESIDENTIAL APPLICATIONS

### ADVANCED WATER HEATING & STYLE

With a new modern design, the Designer PLUS Series allows you to showcase your tankless water heater anywhere in your home, no longer needing utility rooms to conceal oversized mechanical equipment. The PLUS Series can be packaged with factory matched components for easy installation, product quality and durability – making it the superior method to heat your water.

#### STYLE

- Silver powder coated finish gives way to a more modern appeal to match other household appliances
- Smooth, pleasant lines and rounded corner enclosure design
- Fits in any home in any room without additional costs of constructing utility rooms; not necessary to conceal
- Matching pipe cover provides a finished appearance

#### TECHNOLOGY

- Continuous hot water on demand delivered up to 8.5 GPM for a single unit
- Whole-house water heating solution
- Digital temperature control +/- 2°F
- Direct electronic ignition — no pilot light
- On board diagnostics and safety monitoring system
- No indoor combustion air usage
- Quick Cable Connector: Connect controller without opening panel

#### SIMPLICITY

- Compact design allows for flexible installation options
- Mounts internally or externally; includes frost protection feature
- Saves up to 16 sq. ft. of floor space compared to the standard tank water heater
- Factory matched accessories for optimum performance

#### ENERGY EFFICIENCY

- Up to .84 EF providing significant energy cost savings monthly
- Units can pay for themselves with energy savings alone
- On or off; no standby loss - heats water only when needed



R85e PLUS  
External Model Series

**NOTE:**  
The Designer PLUS unit can be purchased without package components for a limited time only.



R85i PLUS  
Internal Model Series  
Shown With Pipe Cover

# STYLE AND TECHNOLOGY: THE COMPLETE PACKAGE

## THE RINNAI ADVANTAGE GUARANTEE

- Packaged performance matched factory accessories for durability
- No tank - reducing ruptures and bacteria buildup
- Superior warranty - 12 year limited warranty on heat exchanger, 6 years on parts and 1 year on labor
- World class manufacturing of key components and quality testing ensures highest level of reliability
- Scald-resistant with use of digitally controlled temperatures



## PACKAGE OF TWO DELUXE CONTROLLERS



BC-100V-1US



MC-100V-1US

**NOTE:** Remote mount controller provided with models R53e PLUS, R85e PLUS. Models R53i PLUS and R85i PLUS have an integrated controller.

## DESIGNER PLUS CAN BE PURCHASED WITH THE FOLLOWING ACCESSORIES:



STANDARD VENT KIT



PLUMBING INSTALLATION KIT



MC-91 CONTROLLER



PIPE COVER

MODEL	Internal Residential				External Residential								
	R53i PLUS		R85i PLUS		R85e PLUS								
Dimensions	9.6" D x 14" W x 22.9" H				9.8" D x 14" W x 22.9" H				9.6" D x 14" W x 22.9" H				
Weight	48 lbs.				48 lbs.				48 lbs.				
Maximum/Minimum Gas Rate (Input BTU's)	180,000 BTU / 15,000 BTU				180,000 BTU / 15,000 BTU				199,000 BTU / 15,000 BTU				
Energy Factor (EF)	Natural Gas: 0.81 Propane: 0.84		Natural Gas: 0.80 Propane: 0.84		Natural Gas: 0.80 Propane: 0.84								
Hot Water Capacity Range	0.6 to 5.3 GPM				0.6 to 8.5 GPM				0.6 to 8.5 GPM				
Maximum Hot Water Capacity (35°F Rise)	5.3 GPM (318 GPH)				8.5 GPM (510 GPH)				8.5 GPM (510 GPH)				
Maximum Hot Water Capacity (77°F Rise)	4.1 GPM (246 GPH)				4.1 GPM (246 GPH)				4.3 GPM (258 GPH)				
Maximum Hot Water Capacity (90°F Rise)	3.5 GPM (210 GPH)				3.5 GPM (210 GPH)				3.7 GPM (222 GPH)				
NOx Emissions (At 3% O2)	Less Than 40 Ng/J				Less Than 40 Ng/J				Less Than 40 Ng/J				
Setpoint Temperature (Without Remote)	Factory Setting - 120°F				Factory Setting - 120°F				Factory Setting - 120°F				
Temperature Range with Remote Key Pad(s) Connected	MC-100V-1 or MC-91-1: 98° - 140° F BC-100V-1: 98 - 140° F				MC-100V-1 or MC-91-1: 98° - 140° F BC-100V-1: 98 - 140° F				MC-100V-1 or MC-91-1: 98° - 140° F BC-100V-1: 98 - 140° F				
<b>Temperature Rise (°F)</b>	<b>15</b>	<b>25</b>	<b>35</b>	<b>45</b>	<b>55</b>	<b>65</b>	<b>75</b>	<b>85</b>	<b>95</b>	<b>105</b>	<b>115</b>	<b>120</b>	
<b>MODEL SERIES</b>	<b>R53i PLUS</b>	5.3	5.3	5.3	5.3	5.3	4.8	4.2	3.7	3.3	3.0	2.7	2.6
	<b>R85i PLUS</b>	8.5	8.5	8.5	7.0	5.7	4.8	4.2	3.7	3.3	3.0	2.7	2.6
	<b>R85e PLUS</b>	8.5	8.5	8.5	7.4	6.1	5.1	4.5	3.9	3.5	3.2	2.9	2.8

Rinnai is continually updating and improving products; therefore, specifications are subject to change without prior notice. Local, state, provincial and federal codes must be adhered to prior to installation.

## CONTACT YOUR LOCAL AUTHORIZED DEALER

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