

TANKLESS WATER HEATER SERIES REFERENCE GUIDE

	HIGH-EFFICIENCY (NON-CONDENSING TECHNOLOGY)		SUPER-HIGH-EFFICIENCY (CONDENSING TECHNOLOGY)		
	HE Series	HE+ Series	SE Series	SENSEI™ SE+ Series	
					
	(V models)	(RL models)	(RUCS/RU models)	(RU models)	(RUR models)
Uniform Energy Factor*	0.79 - 0.82	0.81 - 0.82	0.85 - 0.90	0.91 - 0.93	0.93
Wi-Fi Ready					
Available In Natural Gas Or Propane	✓	✓	✓	✓	✓
Indoor And Outdoor Versions Available	✓	✓	✓	✓	✓
Recirculation Solution Made Possible With Circ-Logic Technology		✓		✓	✓
Isolation Valves		✓		✓	✓
ThermaCirc360™ — (Recirc With Or Without Dedicated Line)					✓
Smart Home Automation*		✓		✓	✓

* As based on the 2017 DOE new metric for communicating the energy efficiency of residential water heaters.

** Rinnai Tankless Water Heaters featuring recirculation are Alexa-enabled, you can just ask to start recirculation. Rinnai Control-R™ Wi-Fi Module necessary. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates. Google Home is a trademark of Google LLC. SAMSUNG is a registered trademark of Samsung Electronics Co., Ltd.

MODEL CHART AND SPECIFICATIONS SUPER-HIGH-EFFICIENCY (CONDENSING) TANKLESS WATER HEATERS

SENSEI™ SE+ SERIES

				
Model	RUR190i	RUR190e	RUR160i	RUR160e
Dimensions - w, h, d (inches (mm))	18.5 x 26.4 x 11.5 (470 x 670 x 290)	18.5 x 26.4 x 11.5 (470 x 670 x 290)	18.5 x 26.4 x 11.5 (470 x 670 x 290)	18.5 x 26.4 x 11.5 (470 x 670 x 290)
Weight (lbs / kg)	73 / 33	73 / 33	71 / 32	71 / 32
Installation Type	Indoor	Outdoor	Indoor	Outdoor
Min./Max. BTU	15,000/199,000	15,000/199,000	15,000/180,000	15,000/180,000
Uniform Energy Factor	0.93	0.93	0.93	0.93
Temp. Range Residential*	98°F–140°F / 37°C–60°C	98°F–140°F / 37°C–60°C	98°F–140°F / 37°C–60°C	98°F–140°F / 37°C–60°C
Temp. Range Commercial*†	98°F–140°F / 37°C–60°C	98°F–140°F / 37°C–60°C	98°F–140°F / 37°C–60°C	98°F–140°F / 37°C–60°C
Min. Activation Rate	0.4 GPM (15 L/min)	0.4 GPM (15 L/min)	0.4 GPM (15 L/min)	0.4 GPM (15 L/min)
Flow Rate (70°/50° Temp. Rise)	5.4 / 7.6	5.4 / 7.6	4.3 / 6.1	4.3 / 6.1
Hot Water Flow Rate Range	0.26–9.8 GPM (10–37 L/min)	0.26–9.8 GPM (10–37 L/min)	0.26–8.0 GPM (10–30 L/min)	0.26–8.0 GPM (10–30 L/min)
Controller (Standard)	Integrated and Control-R™ Wi-Fi Module ships in the box			
Controllers (Optional)	MC-91-2US, required for recirculation; MC-195T-US			
Warranty (Residential)**	Limited 15-year on heat exchanger, 5-year on parts, 1-year on labor			
Warranty (Commercial)**	Limited 8-year on heat exchanger, 5-year on parts, 1-year on labor			
Mobile Home Certified	Yes	Yes	Yes	Yes
Valves Shipped in Box	Yes	Yes	Yes	Yes
High Altitude Approved	Up to 10,200 ft. (3,109 m)	Up to 10,200 ft. (3,109 m)	Up to 10,200 ft. (3,109 m)	Up to 10,200 ft. (3,109 m)
Certifications	AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®
Venting Options	Concentric or PVC/CPVC/PP	N/A	Concentric or PVC/CPVC/PP	N/A
Ultra Low Nox	Yes	Yes	Yes	Yes
Tankless Rack System™ (TRS/TRW) Compatible	Yes	Yes	Yes	Yes
Wi-Fi Ready	Yes	Yes	Yes	Yes
Extended Service Plan Available†††	Yes	Yes	Yes	Yes

**To achieve temperatures over 140°F (60°C), consult the Operation and Installation Manual.
 *†To achieve temperatures up to 185°F (85°C), consult the Operation and Installation Manual.
 ††For complete information and details regarding Rinnai's warranty, visit rinnai.us.

SENSEI SE+ Series Super High-efficiency (Condensing) Tankless Water Heaters are 1/2-inch gas line compatible.
 ††For complete information on gas sizing for Rinnai Tankless Water Heaters, consult the Operation and Installation Manual.

			
RU190i	RU190e	RU160i	RU160e
18.5 x 26.4 x 11.5 (470 x 670 x 290)	18.5 x 26.4 x 11.5 (470 x 670 x 290)	18.5 x 26.4 x 11.5 (470 x 670 x 290)	18.5 x 26.4 x 11.5 (470 x 670 x 290)
64 / 29	64 / 29	64 / 29	64 / 29
Indoor	Outdoor	Indoor	Outdoor
15,000/199,000	15,000/199,000	15,000/180,000	15,000/180,000
0.93	0.93	0.93	0.93
98°F–140°F / 37°C–60°C	98°F–140°F / 37°C–60°C	98°F–140°F / 37°C–60°C	98°F–140°F / 37°C–60°C
98°F–185°F / 37°C–85°C	98°F–185°F / 37°C–85°C	98°F–185°F / 37°C–85°C	98°F–185°F / 37°C–85°C
0.4 GPM (15 L/min)	0.4 GPM (15 L/min)	0.4 GPM (15 L/min)	0.4 GPM (15 L/min)
5.4 / 7.6	5.4 / 7.6	4.9 / 6.9	4.9 / 6.9
0.26–9.8 GPM (10–37 L/min)	0.26–9.8 GPM (10–37 L/min)	0.26–9.0 GPM (10–34 L/min)	0.26–9.0 GPM (10–34 L/min)
Integrated			
MC-195T-US, MC-91-2US, MCC-91-2US, Control-R™ Wi-Fi Module			
Limited 15-year on heat exchanger, 5-year on parts, 1-year on labor			
Limited 8-year on heat exchanger, 5-year on parts, 1-year on labor			
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Up to 10,200 ft. (3,109 m)	Up to 10,200 ft. (3,109 m)	Up to 10,200 ft. (3,109 m)	Up to 10,200 ft. (3,109 m)
AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®
Concentric or PVC/CPVC/PP	N/A	Concentric or PVC/CPVC/PP	N/A
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes

†††The Extended Service Plan provides 48 months of labor coverage for SENSEI model Tankless Water Heaters installed in a residential application upon product registration submitted within 90 days of the purchase of the unit. This coverage period begins after the initial labor warranty coverage has expired.

MODEL CHART AND SPECIFICATIONS SUPER-HIGH-EFFICIENCY (CONDENSING) TANKLESS WATER HEATERS

SENSEI™ SE+ SERIES

				
Model	RU160i	RU160e	RU130i	RU130e
Dimensions - w, h, d Inches (mm)	18.5 x 26.4 x 11.5 (470 x 670 x 290)	18.5 x 26.4 x 11.5 (470 x 670 x 290)	18.5 x 26.4 x 11.5 (470 x 670 x 290)	18.5 x 26.4 x 11.5 (470 x 670 x 290)
Weight (lbs / kg)	64 / 29	62 / 28	64 / 29	62 / 28
Installation Type	Indoor	Outdoor	Indoor	Outdoor
Min./Max. BTU	15,000/160,000	15,000/160,000	15,000/130,000	15,000/130,000
Uniform Energy Factor	0.93	0.93	0.91	0.92
Temp. Range Residential*	98°F – 140°F / 37°C – 60°C	98°F – 140°F / 37°C – 60°C	98°F – 140°F / 37°C – 60°C	98°F – 140°F / 37°C – 60°C
Temp. Range Commercial*†	98°F – 185°F / 37°C – 85°C	98°F – 185°F / 37°C – 85°C	98°F – 185°F / 37°C – 85°C	98°F – 185°F / 37°C – 85°C
Min. Activation Rate	0.4 GPM (1.5 L/min)	0.4 GPM (1.5 L/min)	0.4 GPM (1.5 L/min)	0.4 GPM (1.5 L/min)
Flow Rate (70°/50° Temp. Rise)	4.3 / 6.1	4.3 / 6.1	3.5 / 4.9	3.5 / 4.9
Hot Water Flow Rate Range	0.26 - 8.0 GPM (1.0 - 30 L/min)	0.26 - 8.0 GPM (1.0 - 30 L/min)	0.26 - 6.6 GPM (1.0 - 24 L/min)	0.26 - 6.6 GPM (1.0 - 24 L/min)
Controller (Standard)	Integrated			
Controllers (Optional)	MC-195T-US, MC-91-2US, MCC-91-2US, Control-R™ Wi-Fi module			
Warranty (Residential)**	Limited 15-year on heat exchanger, 5-year on parts, 1-year on labor			
Warranty (Commercial)**	Consult the operation and installation manual			
Mobile Home Certified	Yes	Yes	Yes	Yes
Valves Shipped in Box	Yes	Yes	Yes	Yes
High Altitude Approved	Up to 10,200 ft. (3,109 m)	Up to 10,200 ft. (3,109 m)	Up to 10,200 ft. (3,109 m)	Up to 10,200 ft. (3,109 m)
Certifications	AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®
Venting Options	Concentric or PVC/CPVC/PP	N/A	Concentric or PVC/CPVC/PP	N/A
Ultra Low Nox	Yes	Yes	Yes	Yes
Tankless Rack System™ (TRS/TRW) Compatible	Yes	Yes	Yes	Yes
Wi-Fi Ready	Yes	Yes	Yes	Yes
Extended Service Plan Available†††	Yes	Yes	Yes	Yes

**To achieve temperatures over 140°F (60°C), consult the Operation and Installation Manual.
†To achieve temperatures up to 185°F (85°C), consult the Operation and Installation Manual.
**For complete information and details regarding Rinnai's warranty, visit rinnai.us.

SENSEI SE+ Series Super High-efficiency (Condensing) Tankless Water Heaters are 1/2-inch gas line compatible.
†† For complete information on gas sizing for Rinnai Tankless Water Heaters, consult the Operation and Installation Manual.

COMMERCIAL SERIES

			
CU199i	CU199e	CU160i	CU160e
18.5 x 26.4 x 11.5 (470 x 670 x 290)	18.5 x 26.4 x 11.5 (470 x 670 x 290)	18.5 x 26.4 x 11.5 (470 x 670 x 290)	18.5 x 26.4 x 11.5 (470 x 670 x 290)
64 / 29	64 / 29	62 / 28	62 / 28
Indoor	Outdoor	Indoor	Outdoor
15,000/199,000	15,000/199,000	15,000/160,000	15,000/160,000
0.93 / 0.96, TE: 97%	0.93 / 0.96, TE: 97%	0.93 / 0.95, TE: 97%	0.93 / 0.95, TE: 97%
N/A	N/A	N/A	N/A
98°F – 185°F / 37°C – 85°C	98°F – 185°F / 37°C – 85°C	98°F – 185°F / 37°C – 85°C	98°F – 185°F / 37°C – 85°C
0.4 GPM (1.5 L/min)	0.4 GPM (1.5 L/min)	0.4 GPM (1.5 L/min)	0.4 GPM (1.5 L/min)
4.3 / 6.1	4.3 / 6.1	4.3 / 6.1	4.3 / 6.1
0.26 – 8.0 GPM (1.0 – 30 L/min)	0.26 – 8.0 GPM (1.0 – 30 L/min)	0.26 – 8.0 GPM (1.0 – 30 L/min)	0.26 – 8.0 GPM (1.0 – 30 L/min)
Integrated			
MC-91-2US			
Commercial only			
Heat Exchanger: 8 yrs or 12,000 operation hours, whichever occurs first, All other parts: 5 yrs, Reasonable Labor: 1 yr			
No	No	No	No
Yes	Yes	Yes	Yes
Up to 10,200 ft. (3,109 m)	Up to 10,200 ft. (3,109 m)	Up to 10,200 ft. (3,109 m)	Up to 10,200 ft. (3,109 m)
AHRI, CSA, ENERGY STAR®			
Concentric or PVC/CPVC/PP	N/A	Concentric or PVC/CPVC/PP	N/A
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes

††† The Extended Service Plan provides 48 months of labor coverage for SENSEI model Tankless Water Heaters installed in a residential application upon product registration submitted within 90 days of the purchase of the unit. This coverage period begins after the initial labor warranty coverage has expired.