



I-SERIES Condensing Gas Boilers

For Trade Professionals



Rinnai.

I-SERIES

High Output Delivery of Domestic Hot Water and Central Heating



Make a great impression with the **I-Series Condensing Gas Boiler** — delivering iconic indoor heating solutions. Using the perfect combination of proven technology and reliability, these boilers are designed with the homeowner in mind. Unlike most combi boilers, the I-SERIES contains a proportional valve which allows for simultaneous delivery of domestic hot water and central heating with less interruption of the heating flow.



Comfort & Convenience

- Dual zone heating
- Servo based by-pass control for precise DHW temperature control
- Built-in recirculation logic for dedicated return and crossover modes
- Simultaneous delivery of hot water/ home heating



Operational Performance

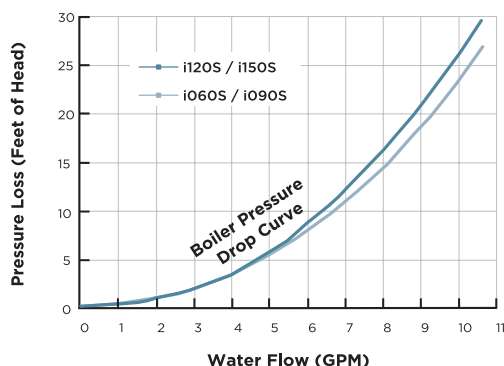
- 95% AFUE efficiency
- High volume of hot water delivery
- Outdoor Reset optimizes home heating performance



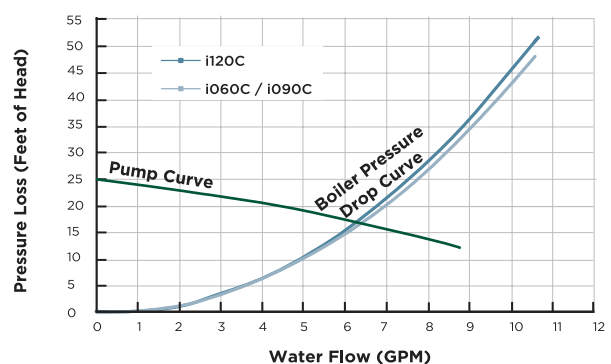
Flexible Installation

- Compact design
- Versatile venting options including 2-inch PVC up to 65 feet
- Easy parameter settings
- NG with LP conversion

PRESSURE DROP AND WATER FLOW

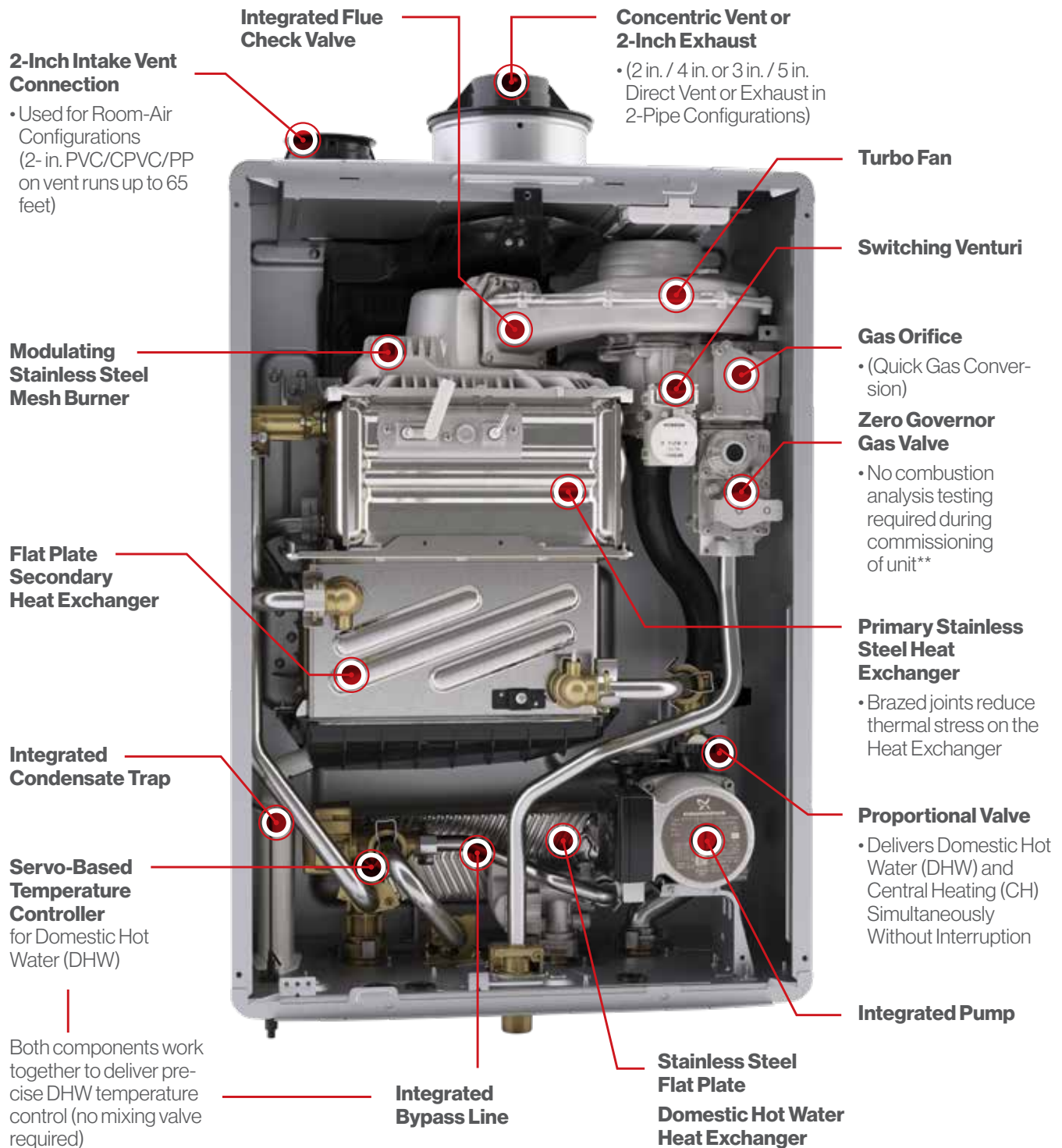


NOTE: External boiler pump required.



The Next Generation in Condensing Boilers

I-SERIES



* Combi model shown.

** Adhere to local, state, provincial, federal and national codes.

MODEL CHART AND SPECIFICATIONS

I-SERIES CONDENSING BOILERS

I-SERIES HEAT ONLY



Models	i060SN	i090SN	i120SN	i150SN
Dimensions - w, h, d Inches (mm)	18.5 in. x 26.4 in. x 10.9 in. (471 mm x 671 mm x 276 mm)	18.5 in. x 26.4 in. x 10.9 in. (471 mm x 671 mm x 276 mm)	18.5 in. x 26.4 in. x 10.9 in. (471 mm x 671 mm x 276 mm)	18.5 in. x 26.4 in. x 10.9 in. (471 mm x 671 mm x 276 mm)
Unit Weight (lbs/kg)	59.2 lbs (27 kg)		62 lbs (28 kg)	
Fuel Type	NG - Field convertible to LP/ NG	NG - Field convertible to LP/ NG	NG - Field convertible to LP/ NG	NG - Field convertible to LP/ NG
Max. Capacity - Heating (MBH)	57 (17 kw)	84 (25 kw)	112 (33 kw)	138(41 kw)
Gas Consumption: Max. Input - Heating (MBH)	60,000	90,000	120,000	150,000
Gas Consumption: Max. Input - DHW (MBH)	N/A	N/A	N/A	N/A
Gas Consumption: Min Input - Heating (MBH)	15,000			
Electrical Consumption	36 W	50 W	50 W	50 W
Heating Turndown Ratio (NG and LP)	4:1	6:1	8:1	10:1
DHW Turndown Ratio (NG and LP)	N/A	N/A	N/A	N/A
DHW Activation Rate	N/A	N/A	N/A	N/A
Max. DHW @ 70° F ΔT	N/A	N/A	N/A	N/A
AFUE Rating	95.1%	95.9%	95.5%	96.0%
Circulating Pump	field supplied			
Approved Venting Material	Polypropylene, Stainless Steel, PVC, CPVC			
Warranty*	Standard Warranty (some restrictions apply): Residential: 12-year heat exchanger, 5-year parts, 1-year labor. Commercial: 5-year heat exchanger, 5-year parts, 1-year labor.			
Certifications	scaqmd, low lead     			
Included in the box	- Propane Field Conversion Kit - Wall Mounting Bracket - CH Pressure Relief Valve (30 PSI) - Outdoor Reset Sensor - Integrated Vent Adapter for 2 in. PVC, PP and 3 in. x 5 in. Concentric Venting			

I-SERIES COMBI



i060CN	i090CN	i120CN
18.5 in. x 26.4 in. x 10.9 in. (471 mm x 671 mm x 276 mm)	18.5 in. x 26.4 in. x 10.9 in. (471 mm x 671 mm x 276 mm)	18.5 in. x 26.4 in. x 10.9 in. (471 mm x 671 mm x 276 mm)
73 lbs (33 kg)		76.1 lb (34.5 kg)
NG - Field convertible to LP/ NG	NG - Field convertible to LP/ NG	NG - Field convertible to LP/ NG
57 (17 kw)	84 (25 kw)	112 (33 kw)
60,000	90,000	120,000
160,000	160,000	199,000
15,000		
144 W (CH) 174 (DHW)	158 W (CH) 174 W (DHW)	158 W (CH) 194 W (DHW)
4:1	6:1	8:1
10.7:1	10.7:1	13.3:1
0.4 GPM	0.4 GPM	0.4 GPM
4.1 GPM (15 L/MIN)	4.1 GPM (15 L/MIN)	5.1 GPM (19 L/MIN)
95.1%	95.9%	95.5%
Three speed (Grundfos® UPS 15-78)		
Polypropylene, Stainless Steel, PVC, CPVC		
Standard Warranty (some restrictions apply): Residential: 12-year heat exchanger, 5-year parts, 1-year labor. Commercial: 5-year heat exchanger, 5-year parts, 1-year labor.		
scaqmd, low lead		
- Propane Field Conversion Kit - Wall Mounting Bracket - CH Pressure Relief Valve (30 PSI)	- Outdoor Reset Sensor - Integrated Vent Adapter for 2 in. PVC, PP and 3 in. x 5 in. Concentric Venting	

ADDITIONAL ACCESSORIES

Part Number	Description
807000212	Primary-secondary heating Kit, I-Series Boiler (combi)
807000213	Primary-secondary heating Kit, I-Series Boiler (heat only)
804000074	Condensate Neutralizer Kit (All Models)
809000114	Refill - Condensate Neutralizer (All Models)
103000038	Scale Cutter System
103000039	Scale Cutter Refill Cartridge
MIVK-T-LW	DHW Isolation Valve Kit, Compact design, Ease in Flushing
MC-601	Temperature controller



I-Series Plumbing Kit (Combi)
PN: 807000212



I-Series Plumbing Kit (Heat Only)
PN: 807000213



Condensate Neutralizer Kit
PN: 804000074



Scale Cutter System
PN: 103000038

INSTALLATION & VENTING COMPONENTS

2 IN. VENTING FOR ROOM AIR AND TWIN PIPE

Part Number	Image	Description	Inner Exhaust Material	Outer Intake Material
222715NPP	1	2 in. Condensing Fixing Clip Metal Qty 10	PP	Plastic
223085NPP	2	2 in. Condensing Wall Terminal Twin Pipe	PP	Plastic
222710NPP	3	2 in. Condensing 45 Degree Elbow (20/ Box)	PP	Plastic
222711NPP	4	2 in. Condensing 90 Degree Elbow (20/ Box)	PP	Plastic
222712NPP	5	2 in. Condensing Vent Pipe Extension 39 in. (4/ Box)	PP	Plastic
222714NPP	5	2 in. Condensing Vent Pipe Extension 79 in. (4/ Box)	PP	Plastic

2 in. / 4 in. INSTALLATION VENTING COMPONENTS

Part Number	Image	Description	Inner Exhaust Material	Outer Intake Material
710202NPP	6	2 in. / 4 in. Condensing 90 Degree Diverter Nose	PP	Plastic
710215NPP	7	2 in. / 4 in. Condensing 45 Degree Diverter Nose	PP	Plastic
229011NPP	8	2 in. / 4 in. Condensing Horizontal Termination Kit 8.7 in.	PP	Plastic
229012NPP	8	2 in. / 4 in. Condensing Horizontal Termination Kit 12 in.	PP	Plastic
229013NPP	8	2 in. / 4 in. Condensing Horizontal Termination Kit 21 in.	PP	Plastic
229016NPP	9	2 in. / 4 in. Condensing 21 in. Wall Term w/2 wall plates	PP	Plastic
224356NPP	10	2 in. / 4 in. Condensing Roof Discharge Term 20 in. Above Roof	PP	Plastic
229205NPP	11	2 in. / 4 in. Condensing 45 Degree Elbow Qty 2	PP	Plastic
229230NPP	12	2 in. / 4 in. Condensing 90 Degree Elbow Qty 2	PP	Plastic
229253NPP	13	2 in. / 4 in. Condensing Horizontal Starter Adapter	PP	Plastic
229308NPP	14	2 in. / 4 in. Condensing Vent Pipe Extension 10 in.	PP	Plastic
229309NPP	14	2 in. / 4 in. Condensing Vent Pipe Extension 19.5 in.	PP	Plastic
229310NPP	14	2 in. / 4 in. Condensing Vent Pipe Extension 39 in.	PP	Plastic
227412NPP	15	2 in. / 4 in. CONDENSING VERTICAL STARTER ADAPTER	PP	Plastic
185348NPP	16	2 in. / 4 in. Condensing Roof Term Extension Kit	PP	Plastic

3 IN. VENTING COMPONENTS

Part Number	Image	Description	Inner Exhaust Material	Outer Intake Material
196116PVC	-	3 in. Concentric PVC	PVC	PVC
196985PVC	-	3 in. LOW PROFILE PVC	PVC	PVC

IPEX VENTING COMPONENTS

Part Number	Image	Description	Inner Exhaust Material	Outer Intake Material
196005PVC	-	IPEX 2 in. Concentric Termination 2 x 16	PVC	PVC
196105PVC	-	IPEX 2 in. Concentric Termination 2 x 28	PVC	PVC
196125PVC	-	IPEX 2 in. Concentric Termination 2 x 40	PVC	PVC
192984PVC	-	IPEX PVC Low Profile Termination 2 in.	PVC	PVC

*Additional push button and motion sensors can be purchased separately to customize a recirculation system.



ACCESSORIES

3 in. / 5 in. INSTALLATION VENTING COMPONENTS

Part Number	Image	Description		Inner Exhaust Material	Outer Intake Material
223174PP	17	Condensing Horizontal Termination Kit	8.7" / 220.9 mm	PP	Plastic
223176PP	17	Condensing Horizontal Termination Kit	12" / 304.8 mm	PP	Plastic
223177PP	17	Condensing Horizontal Termination Kit	21" / 533.4 mm	PP	Plastic
223186PP	18	Condensing Horizontal Termination Diverter Kit	19" / 482.6 mm	PP	Plastic
184162PP	19	Condensing Roof Discharge Termination Short (above roof)	38" / 965.2 mm	PP	Plastic
224047PP	20	Condensing Raised Horizontal Termination Kit (Snorkel)	-	PP	Plastic
185344PP	-	Roof Termination Extension Kit	-	PP	Plastic
185346PP	-	Condensing Termination Extension	-	PP	Plastic
185347PP	-	Separation Kit	-	PP	Plastic
187585PP	-	Twin Pipe Adapter for use w/ PVC/CPVC (Special Order Only)	-	PP	Plastic
224077PP	21	45-Degree Elbow (Quantity of 2)	-	PP	Plastic
224078PP	22	90-Degree Elbow	-	PP	Plastic
224087PP	23	Vent Pipe Extension	10" / 254 mm	PP	Plastic
224079PP	23	Vent Pipe Extension	19.5" / 495.3 mm	PP	Plastic
224080PP	23	Vent Pipe Extension	39" / 990.6 mm	PP	Plastic

ADDITIONAL ACCESSORIES

Part Number	Image	Description	
146141	24	Roof Flashing Assembly (flat roof)	
189950	25	Shingle Roof Flashing (1/12 to 6/12 pitch; plastic)	
189951	25	Shingle Roof Flashing (6/12 to 12/12 pitch; plastic)	
189952	25	Shingle Roof Flashing (8/12 to 16/12 pitch; plastic)	
50171949	26	Tile/Shingle Roof Flashing (1/12 to 6/12 pitch; metal)	
50171961	26	Tile/Shingle Roof Flashing (6/12 to 12/12 pitch; metal)	
50171954	26	Tile/Shingle Roof Flashing (8/12 to 16/12 pitch; metal)	
242141	27	Flashing for Metal Roof	Suitable for use with plastic and metal components
710342	28	Rubber Wall Plate (white)	
710602	28	Rubber Wall Plate (black)	
224045	29	Thimble (1 piece per box)	
169044	30	Pipe Clamp	
224097	31	Metal Pass Through Plate	
224042	32	Universal Bug Guard	

REPLACEMENT KITS FOR I-SERIES

Part Number	Description	Fits Model Number
104000289	Fan Venturi Kit	I-Series (All models)
106000117	Gas Valve Kit (I-SERIES)	I-Series (All models)
804000116	Pump Kit (I-SERIES)	I-Series (All models)
804000112	Large HEX Kit	i060C/i090C/i060s/i090S/i120C/i120S/i150S
804000109	Flat Plate HEX Kit	i060C/i090C/i060s/i090S
804000113	Medium HEX Kit	i060C/i090C/i060s/i090S
804000114	Flat Plate HEX Kit	i120C/i150C/i150s

CONVERSION KITS FOR I-SERIES

Part Number	Description	Fits Model Number
803000040	CONVERSION KIT - NG TO LP AND LP TO NG	I-Series (All models)





Water Heating Solutions



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Learn more about Rinnai high-performance Tankless Water Heaters, Hybrid Water Heating Systems, Boilers, Vent-Free Fan Convectors and EnergySaver® Direct Vent Wall Furnaces at:

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Rinnai America Corporation

103 International Drive | Peachtree City, GA 30269
1-800-621-9419 | rinnai.us | rinnai.ca