

Item Number: IP199199C

Attribute	Value
Featured Image	https://rinnai.widen.net/content/bxg0j0tj0z/web/Large%20I-SERIES%20Plus.straight.small.png?u=vmp7gq&download=true
Product Category	Heating Systems>Boilers>I-Series+
Active for Ecommerce	Yes
AFUE % Rating	96.0
Amazon Alexa Compatible	No
Android Compatible	Yes
Apple HomeKit Compatible	No
Audience	Residential
Automatic Gas-Leak Detector	No
Bluetooth Compatible	Yes
California Energy Commission (CEC) Model Registration Number	REB-B5858FF-US
Cascading (Y/N)	Yes
Central Heating Turn Down Ratio	13.3:1
Certifications	ASME,ANSIZ21.13,CSA 4.9
Certified SCAQMD Approved	Ultra Low NOx
Clearance from Combustibles (Back)	0" / (0 mm)
Clearance from Combustibles (Bottom)	12" / (305 mm)
Clearance from Combustibles (From vent pipe)	0" / (0 mm)
Clearance from Combustibles (Front)	0" / (0 mm)
Clearance from Combustibles (Sides)	2" / (51 mm)
Clearance from Combustibles (Top)	2" / (51 mm)
Clearance from Non-Combustibles (Back)	0" / (0 mm)
Clearance from Non-Combustibles (Bottom)	12" / (305 mm)
Clearance from Non-Combustibles (From vent pipe)	0" / (0 mm)
Clearance from Non-Combustibles (Front)	0" / (0 mm)
Clearance from Non-Combustibles (Sides)	2" / (51 mm)
Clearance from Non-Combustibles (Top)	2" / (51 mm)
Clearances required for service (Front)	24" / (610 mm)
Cold Water Inlet Connection	3/4" MNPT / (19 mm)
Color	Gray
Condensate Line Connection	1/2" NPT / (13 mm)
Country of Origin	Japan
Domestic Hot Water Activation Rate	0.4 GPM / (1.5 l/min)
Domestic Hot Water Flow Rate (Maximum)	9.8GPM
Domestic Hot Water Flow Rate (Minimum)	0.26 GPM / (1 l/min)

Attribute	Value
Domestic Hot Water Flow Rate @ 35°F Rise Capacity (GPM/LPM)	9.8 GPM / 37.1 l/min
Domestic Hot Water Flow Rate @ 50°F Rise Capacity (GPM/LPM)	7.2 GPM (27.25 l/min)
Domestic Hot Water Flow Rate @ 70°F Rise Capacity (GPM/LPM)	5.1 GPM (19.3 l/min)
Domestic Hot Water Natural Gas (Btuh/kW) - Input Maximum	199,000 BTU / (58.3 kW)
Domestic Hot Water Natural Gas (Btuh/kW) - Input Minimum	15000 BTU / (4.39 kW)
Domestic Hot Water Outlet Connection	3/4" MNPT / (19 mm)
Domestic Hot Water Temperature Range (Commercial) (°F/°C)	98F-140F / (37C-60C)
Domestic Hot Water Temperature Range (Residential) (°F/°C)	98F-140F / (37C-60C)
Domestic Hot Water Temperature Range (Standard) (°F/°C)	98F-120F / (37C-49C)
Domestic Water Supply Pressure: Maximum	150 PSI
Domestic Water Supply Pressure: Minimum	20 PSI
Electrical Amperage - Maximum	14 Amps
Electrical Consumption (Normal)	207 watts
Electrical Consumption (Standby)	8 watts
Electrical Voltage	120V, 60Hz
Energy / Fuel Type	Propane Gas,Natural Gas
Energy Star - Commercial	No
Energy Star - Residential	Yes
Feature/Benefit Bullet 1	Cascading up to 24 Units
Feature/Benefit Bullet 10	New and Improved Heat Exchanger
Feature/Benefit Bullet 2	<p>Smart Connect™ – Bluetooth access through the Rinnai Central™ App</p>
Feature/Benefit Bullet 3	7 Heating Reset Curves
Feature/Benefit Bullet 4	High Altitude Approved up to 10,100 ft.
Feature/Benefit Bullet 5	Advanced Controls with Quick Set-Up Screen
Feature/Benefit Bullet 6	Improved Front Panel Display
Feature/Benefit Bullet 7	4 Built-in Zones
Feature/Benefit Bullet 8	Simultaneous Space Htg and DHW
Feature/Benefit Bullet 9	Common Venting up to 8 Units
Gas Supply Connection	3/4" MNPT / (19 mm)
Google Assistant Compatible	No
Hazmat Y/N	No
Heating - Fuel Gage Available	No
Heating Input Natural Gas (Btu/h &kW) - Maximum	199,000 BTU / (58.3 kW)

Attribute	Value
Heating Input Natural Gas (Btu/h &kW) - Minimum	15000 BTU / (4.39 kW)
Ignition System	Direct Electronic Ignition
Image - Bottom	https://rinnai.widen.net/content/18p2gxxaah/web/Large%20I-SERIES%20Plus.bottom.png?u=vmp7gq&download=true
Image - Corporate Logo	https://rinnai.widen.net/content/bjw5z2ex3z/web/Rinnailogo.PMS186.png?u=vmp7gq&download=true
Image - Front	https://rinnai.widen.net/content/cjdynjrkv/web/Large%20I-SERIES%20Plus%20CoverOFF.straight.small.png?u=vmp7gq&download=true , https://rinnai.widen.net/content/prhqnivgj4/web/Large%20I-SERIES%20Plus%20CoverOFF.PC%20Board.straight.small.png?u=vmp7gq&download=true , https://rinnai.widen.net/content/bxg0j0tj0z/web/Large%20I-SERIES%20Plus.straight.small.png?u=vmp7gq&download=true , https://rinnai.widen.net/content/qrwge5edy7/web/Large%20I-SERIES%20Plus%20CoverOFF.straight.png?u=vmp7gq&download=true
Image - Left	https://rinnai.widen.net/content/hmu6u7fode/web/Large%20I-SERIES%20Plus%20Left%20side.png?u=vmp7gq&download=true , https://rinnai.widen.net/content/v2q2cqdjbl/web/Large%20I-SERIES%20Plus%20CoverOFF.left.png?u=vmp7gq&download=true
Image - Lifestyle	https://rinnai.widen.net/content/fkxj9entdu/web/I-Series%20Plus%20with%20Plumber.psd?u=vmp7gq&download=true , https://rinnai.widen.net/content/nsgltapjac/web/Large%20I-SERIES%20Plus%20Basement%20Installation.jpg?u=vmp7gq&download=true
Image - Right	https://rinnai.widen.net/content/u8clvidkhhb/web/Large%20I-SERIES%20Plus%20CoverOFF.right.png?u=vmp7gq&download=true , https://rinnai.widen.net/content/gbzqt3flxq/web/Large%20I-SERIES%20Plus%20right%20side.png?u=vmp7gq&download=true
Image - Top	https://rinnai.widen.net/content/srz6dmew26/web/Large%20I-SERIES%20Plus.top.png?u=vmp7gq&download=true
Installation Location	Indoor
IOS Compatible	Yes
Isolation Valves Included	No
Kit (Yes/NO)	Yes
Kit Content Description	Gas Conv. Kit, Wall Mount Bracket, PRV, OAT Sensor
Literature - Trade Brochure	https://rinnai.widen.net/content/1r1kynhkbv/original/FRENCH%20I-SERIES%20Plus%20Brochure.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/eyauvpdpf/original/Canada%20I-SERIES%20Plus%20Brochure.pdf?u=vmp7gq&download=true
Low Lead Law Compliant	Yes
Manufacturer	Rinnai America Corporation
Mounting Type	Wall or floor mounted rack
MSDS (Y/N)	No
Product Catalog Title (SEO)	Combi Boiler CH 199K BTU / DHW 199K BTU
Product Class	Residential Boiler
Product Code	IP199199C
Product Depth	15.48 inch / (393.19 mm)
Product Description - Long	I-SERIES Plus™ 199k BTU Combi Condensing Gas Boilers offers unmatched value and performance with an expanded product line.

Attribute	Value
Product Description - Short	Combi Boiler CH 199K BTU / DHW 199K BTU
Product Group	Residential Boiler
Product Height	45.3 inch / (1150.62 mm)
Product Info Document - Component Replacement	https://rinnai.widen.net/content/w1tk9erhef/original/800000284%20I-Series%20Plus%20175K%20BTU%20and%20Larger%20Condensing%20Boiler%20Rack%20Assembly%20Instructions-Spanish.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/ffuapcbteu/original/800000283%20I-Series%20Plus%20175K%20BTU%20and%20Larger%20Condensing%20Boiler%20Rack%20Assembly%20Instructions-French.pdf?u=vmp7gq&download=true
Product Info Document - Conversion Manual	https://rinnai.widen.net/content/ot6ucccdxl/original/800000220%20I-Series%20Plus%20175K%20BTU%20and%20Larger%20Condensing%20Boiler%20Gas%20Conversion%20Manual%20%281%29.pdf?u=vmp7gq&download=true
Product Info Document - Energy Guide Labels	https://rinnai.widen.net/content/yadyv8wc9l/original/IP199199C%20-%20Energy%20Guide.pdf?u=vmp7gq&download=true
Product Info Document - Owners Installation and Operation Manuals	https://rinnai.widen.net/content/cbb4veuwya/original/800000214%20I-Series%20Plus%20175K%20BTU%20and%20Larger%20Condensing%20Combi%20Boiler%20Installation%20and%20Operation%20Manual.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/zcteohtaax/original/800000219%20I-Series%20Plus%20Condensing%20Boiler%20User%20Manual-French.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/o3smpapey6/original/800000218%20I-Series%20Plus%20150K%20and%20175K%20Boiler%20User%20Manual-ENGLISH.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/zufkutkqit/original/800000215%20I-Series%20Plus%20175K%20BTU%20and%20Larger%20Condensing%20Combi%20Boiler%20Installation%20and%20Operation%20Manual-French.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/ms3mek5vpi/original/800000315%20I-Series%20Plus%20150K%20and%20175K%20Boiler%20User%20Manual-Spanish.pdf?u=vmp7gq&download=true
Product Info Document - Specification Sheets	https://rinnai.widen.net/content/cxbrnj1pug/original/800000321%20I-Series%20Plus%20Combi%20Spec%20Sheet-175K%20BTU%20and%20Larger-Spanish.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/ddhrlg94vh/original/800000320%20I-Series%20Plus%20Combi%20Spec%20Sheet-175K%20BTU%20and%20Larger-French.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/yrkyw6bc2b/original/800000277%20I-Series%20Combi%20Boiler%20Plumbing%20Kit%20Spec%20Sheet-Spanish.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/t2fijej86b/original/800000251%20I-Series%20Plus%20Combi%20Spec%20Sheet-175K%20BTU%20and%20Larger%20Models.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/o1p60cftth/original/800000276%20I-Series%20Combi%20Boiler%20Plumbing%20Kit%20Spec%20Sheet-French.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/iejqrkfka/original/800000138%20I-Series%20Combi%20Boiler%20Plumbing%20Kit%20Spec%20Sheet.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/tpcwtaujxn/original/800000287%20I-Series%20Plus%20175K%20BTU%20and%20Larger%20Condensing%20Boiler%20Rack%20Spec%20Sheet-Spanish.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/ujzsymmsl/original/800000285%20I-Series%20Plus%20175K%20BTU%20and%20Larger%20Condensing%20Boiler%20Rack%20Spec%20Sheet.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/7ycu9drsx/original/800000286%20I-Series%20Plus%20175K%20BTU%20and%20Larger%20Condensing%20Boiler%20Rack%20Spec%20Sheet-French.pdf?u=vmp7gq&download=true

Attribute	Value
Product Info Document - Technical Bulletins	https://rinnai.widen.net/content/pa1mwmvqls/original/TB-073%20Condensing%20Termination%20Rain%20Ingress.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/erk3epaaqp/original/TB-162%2802%29%20Announcing%20IPEX%20System%201738%20PVC%20Approval.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/30onckqzym/original/TB-079%20Rinnai%20Ubbink%20Venting.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/pc4icbm4nk/original/TB-080%20Termination%20Diverter%20Kit.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/o8rbhenx8x/original/TB-200%20I-Series%20Plus%20Boiler%20Manual%20Revisions%20for%20Termination%20Clearances%20and%20Maintenance%20Warning.pdf?u=vmp7gq&download=true
Product Info Document - Technical Data Sheets	https://rinnai.widen.net/content/ijuakm1jpx/original/800000197%2801%29%20I-Series%20Plus%20150K%20and%20175K%20BTU%20Condensing%20Boiler%20Check%20Sheet.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/ubzi4aqvfm/original/800000221%2802%29%20I-Series%20Plus%20175K%20BTU%20and%20Larger%20Condensing%20Combi%20Boiler%20Tech%20Sheet.pdf?u=vmp7gq&download=true
Product Returnable Y/N	No
Product Series	Condensing Boiler
Product Status	Active
Product Sub Series	I-SERIES_Plus_C
Product Weight	64 lb / (29.09 kg)
Product Width	19.45 inch / (494.63 mm)
Prop 65 Chemicals (CAS)	lead, lead compounds, carbon disulfide
Prop 65 Warning Statement	Warning: This product can expose you to chemicals including lead, lead compounds, and carbon disulfide which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov
Publish to RAC Website	Yes
Recirculation Capable	Yes
RevitWidgetID	58684
Sellable Country	US/CAN
Shipping Height (inches/cm)	45.3 inch / (1150.62 mm)
Shipping Length (inches/cm)	19.7 inch / (500 mm)
Shipping Weight (lbs/kg)	138.6 lb / (63 kg)
Shipping Width (inches/cm)	23.6 inch / (599.4 mm)
SmartThings Compatible	No
Sound Level	42.0
UL Listed	Yes
UPC Code	766156017124
Venting diameters	2in: PVC, CPVC, PP, SS; 3in PVC, CPVC, PP, SS, 2/4in, 3/5in
Venting Material	Polypropylene, Stainless Steel, PVC, CPVC
Venting Type	Concentric, Twin Pipe, Room Air
Video - 360 Spin	https://rinnai.widen.net/content/ecll80lwhg/original/Large%20I-SERIES%20Plus.mp4?u=vmp7gq&download=true

Attribute	Value
Video - For Trade Professionals	https://rinnai.widen.net/content/t77qncldz8/original/I-Series%20Innovative%20Logic.mp4?u=vmp7gq&download=true , https://rinnai.widen.net/content/pdt8rtwds3/original/I-Series%20combined.mp4?u=vmp7gq&download=true , https://rinnai.widen.net/content/e7gfjcy3pn/original/I-Series%20SmartSense.mp4?u=vmp7gq&download=true , https://rinnai.widen.net/content/0rboyz9fn1/original/I-Series%20SmartConnect.mp4?u=vmp7gq&download=true
Video - How It Works	https://rinnai.widen.net/content/1nfwigiwwa/original/I-SERIES%20General%20Marketing%20Video.mp4?u=vmp7gq&download=true
Voice Activation Enabled	No
Warranty - Standard for Commercial	1 Year on Labor / 5 Years on Parts / 5 Years on Heat Exchanger
Warranty - Standard for Residential	1 Year on Labor / 5 Years on Parts / 12 Years on Heat Exchanger
Water Content	2.40 Gallons / (9.08 L)