

Item Number: IP090199C

| Attribute | Value |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Featured Image | https://rinnai.widen.net/content/crwazzthsn/web/I-Series%20Plus_straight_CoverON.jpg?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 |
| AvidWidgetDiv1 | 7423JOC |
| Bluetooth Compatible | Yes |
| California Energy Commission (CEC) Model Registration Number | REB-B2658FFUS |
| Cascading (Y/N) | Yes |
| Central Heating Turn Down Ratio | 6.0:1 |
| Certifications | ASME,ANSIZ21.13,CSA 4.9 |
| Certified CSA | Yes |
| 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) |

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|-------------------------------------------------------------|--------------------------------------------------------------------------|
| Domestic Hot Water Flow Rate (Maximum) | 9.8GPM |
| Domestic Hot Water Flow Rate (Minimum) | 0.26 GPM / (1 l/min) |
| 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 | 2 PSI |
| Electrical Amperage - Maximum | 14 Amps |
| Electrical Consumption (Normal) | 214 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 | Smart Sense™ Gas Adaptive Technology |
| 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 |

| Attribute | Value |
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| Heating Input Natural Gas (Btu/h &kW) - Maximum | 90000 BTU / (26.3 kW) |
| 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/yesl7vejst/web/I-SERIES%20Plus_CoverON.Bottom.png?u=vmp7gq&download=true |
| Image - Corporate Logo | https://rinnai.widen.net/content/bjw5z2ex3z/web/Rinnailogo.PMS186.png?u=vmp7gq&download=true |
| Image - Left | https://rinnai.widen.net/content/py7kmlui4/web/I-Series%20Plus_left_CoverON.png?u=vmp7gq&download=true , https://rinnai.widen.net/content/zcry5vrhdk/web/I-SERIES%20Plus.left%20side.uncovered.png?u=vmp7gq&download=true , https://rinnai.widen.net/content/r2akt76kis/web/I-SERIES%20Plus.left%20side.uncovered.pc%20board.png?u=vmp7gq&download=true |
| Image - Lifestyle | https://rinnai.widen.net/content/hib3g9zqby/web/I-Series%2BPlus_Basement_pump.jpg?u=vmp7gq&download=true |
| Image - Right | https://rinnai.widen.net/content/t5czhtpwut/web/I-SERIES%20Plus.right%20side.uncovered.pc%20board.png?u=vmp7gq&download=true , https://rinnai.widen.net/content/zefxwa4lgr/web/I-Series%20Plus_right_CoverON.png?u=vmp7gq&download=true , https://rinnai.widen.net/content/b7wfjwbgg4/web/I-SERIES%20Plus.right%20side.uncovered.png?u=vmp7gq&download=true |
| Image - Top | https://rinnai.widen.net/content/9tnoligzpq/web/I-SERIES%20Plus_CoverON_Top.png?u=vmp7gq&download=true , https://rinnai.widen.net/content/7jekoup0rg/web/I-SERIES%20Plus_Top.CoverOFF.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/eyauvpidpf/original/Canada%20I-SERIES%20%20Plus%20Brochure.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/1r1kynhkbv/original/FRENCH%20I-SERIES%20%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) | Rinnai I-SERIES Plus IP090199C 90,000 Btu CH / 199,000 Btu DHW Condensing Combi Boiler, Natural Gas or Propane, Indoor. |
| Product Class | Residential Boiler |
| Product Code | IP090199C |
| Product Depth | 11.5 in / (292.1 mm) |
| Product Description - Long | I-SERIES Plus™ line of Combi Condensing Gas Boilers offers unmatched value and performance with an expanded product line that features Smart Sense™ Adaptive Gas Valve technology. Combi Boiler CH 90k / DHW 199k, NG |
| Product Description - Short | Combi Boiler CH 90K BTU / DHW 199K BTU |
| Product Group | Residential Boiler |

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| Product Height | 26.4 inch / (670.56 mm) |
| Product Info Document - Component Replacement | https://rinnai.widen.net/content/xr9qmnwwlm/original/800000266%20Gas%20Control%20Orifice%20Instructions%20%282%29.pdf?u=vmp7gq&download=true |
| Product Info Document - Conversion Manual | https://rinnai.widen.net/content/m4hvi6qq3i/original/800000194%20I-Series%20Plus%20150K%20BTU%20and%20Smaller%20Boiler%20Gas%20Conversion%20Manual.pdf?u=vmp7gq&download=true |
| Product Info Document - Energy Guide Labels | https://rinnai.widen.net/content/nake0g4vfu/original/IP090199C%20-%20Energy%20Guide.pdf?u=vmp7gq&download=true |
| Product Info Document - Owners Installation and Operation Manuals | https://rinnai.widen.net/content/ms3mek5vpi/original/800000315%20I-Series%20Plus%20150K%20and%20175K%20Boiler%20User%20Manual-Spanish.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/n2p5jrpeg5/original/800000313%20I-Series%20Plus%20150K%20BTU%20and%20Smaller%20Combi%20Boiler%20Installation%20and%20Operation%20Manual-Spanish.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/figquq1i7k/original/800000190%20I-Series%20Plus%20150K%20BTU%20and%20Smaller%20Combi%20Boiler%20Installation%20and%20Operation%20Manual.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/zcteojaax/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/6em0zrqgrr/original/800000205%20I-Series%20Plus%20150K%20BTU%20and%20Smaller%20Combi%20Boiler%20Installation%20and%20Operation%20Manual_French.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/36gnttjbcx/original/800000204%20I-Series%20Plus%20150K%20BTU%20and%20Smaller%20Boiler%20User%20Manual_French.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/oc86h0vbnq/original/800000192%20I-Series%20Plus%20150K%20BTU%20and%20Smaller%20Boiler%20User%20Manual.pdf?u=vmp7gq&download=true |
| Product Info Document - Specification Sheets | https://rinnai.widen.net/content/o1p60cfth/original/800000276%20I-Series%20Combi%20Boiler%20Plumbing%20Kit%20Spec%20Sheet-French.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/phl7wpyzf9/original/800000316%20I-Series%20Plus%20150K%20BTU%20and%20Smaller%20Combi%20Spec%20Sheet-French.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/yw0dntvzx/original/800000317%20I-Series%20Plus%20150K%20BTU%20and%20Smaller%20Combi%20Spec%20Sheet-Spanish.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/ianxtk6tkn/original/800000249%20I-Series%20Plus%20150K%20BTU%20and%20Smaller%20Combi%20Spec%20Sheet-English.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/iejqurkra/original/800000138%20I-Series%20Combi%20Boiler%20Plumbing%20Kit%20Spec%20Sheet.pdf?u=vmp7gq&download=true |
| Product Info Document - Technical Bulletins | 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/o8rbhenx8x/original/TB-200%20I-Series%20Plus%20Boiler%20Manual%20Revisions%20for%20Termination%20Clearances%20and%20Maintenance%20Warning.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/pa1mwmvqls/original/TB-073%20Condensing%20Termination%20Rain%20Ingress.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/c5z7z1ohbf/original/TB-195%20I-Series%20Plus%20Combi%20DHW%20Setpoint%20Temperature%20%281%29.pdf?u=vmp7gq&download=true |

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| Product Info Document - Technical Data Sheets | https://rinnai.widen.net/content/uxxujfhn2u/original/800000195%2801%29%20I-Series%20Plus%20150K%20BTU%20and%20Smaller%20Combi%20Boiler%20Tech%20Sheet.pdf?u=vmp7gq&download=true , 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 |
| Product Returnable Y/N | No |
| Product Series | Condensing Boiler |
| Product Status | Active |
| Product Sub Series | I-SERIES_Plus_C |
| Product Weight | 68 lb / (30.8 kg) |
| Product Width | 18.5 inch / (470 mm) |
| Prop 65 Chemicals (CAS) | lead, lead compounds, carbon disulfide |
| Prop 65 Warning Required | Yes |
| Prop 65 Warning Statement | California law requires this notice to be provided: California Proposition 65: This product can expose you to chemicals including Di (2-ethylhexyl) phthalate (DEHP) and carbon bisulfide 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 | 58688 |
| Sellable Country | US/CAN |
| Shipping Height (inches/cm) | 33.5 inch / (852 mm) |
| Shipping Length (inches/cm) | 14.6 inch / (370 mm) |
| Shipping Weight (lbs/kg) | 82.7 lb / (37.6 kg) |
| Shipping Width (inches/cm) | 20.9 inch / (532 mm) |
| SmartThings Compatible | No |
| Sound Level | 47.0 |
| UL Listed | Yes |
| UPC Code | 766156017162 |
| 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/dntk82omxw/original/I-Series%2BPlus%20360%20spin.mp4?u=vmp7gq&download=true |
| Video - For Trade Professionals | https://rinnai.widen.net/content/0rboyz9fn1/original/I-Series%20SmartConnect.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/t77qncldz8/original/I-Series%20Innovative%20Logic.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 |

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|-------------------------------------|-----------------------------------------------------------------|
| 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 | 0.88 Gallons / (3.33 L) |