Inspections Division
Date: 05/23/17

Heating Solutions
FOR THE LIFE YOU LIVE.

COMPREHENSIVE HEATING SOLUTIONS

Rinnai®

Inspections Division
Date: 05/23/17

Surround yourself with

COMFORT AND WARMTH.

Inspections Division
Date: 05/23/17

For nearly 100 years, we at Rinnai have been fiercely committed to delivering nothing less than our absolute best. Through teamwork, technology and innovation, we've become one of the world's largest gas appliance manufacturers, specializing in high-efficiency residential and commercial tankless water heaters and home heating solutions.

When it comes to home heating, it's all about comfort, convenience and reliability. At Rinnai, we design products that let you experience all three. Rinnai gives you solutions that enhance your life — from the efficiency of our Condensing Boilers to the big-comfort, small-space warmth of our Vent-Free Fan Convectors and EnergySaver® Direct Vent Wall Furnaces.

Whether you are seeking whole-house comfort, a supplemental heating solution for nearly any room, or a single, energy-efficient source for home and water heating, we've developed innovative products that open up a world of pleasant possibilities.

A Warm Welcome In Every Room.

THE RINNAI ENERGYSAVER®

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Consistent warmth that transforms any space.

Looking for a cost-effective heating solution for nearly any living space, or even your whole home? Now you've found it. Rinnai EnergySaver® Direct Vent Wall Furnaces' advanced heating technology puts you in control of your comfort throughout every part of any room, completely and efficiently.

Consistent, even heating: Unique technology monitors room temperature, adjusting within seconds to maintain the pre-set temperature. So, your room stays consistently comfortable without big temperature swings.

Reduced cold spots: A variable-speed blower circulates warm air evenly throughout the room, for consistent warmth – even in corners. So it's never too cool at the floor or too warm up higher.

Quality and reliability that deliver peace of mind.

Beyond comfort, we build confidence into every product we make. Our commitment to your peace of mind is proven in the way we design and test our EnergySaver® Direct Vent Wall Furnaces.

Our reliable, low-maintenance products feature a durable stainless steel heat exchanger and the assurance of proven engineering. With Rinnai's experienced support and a 10-year heat exchanger warranty*, you can depend on years of comfort and warmth.

Other features to ensure performance you can trust:

Onboard diagnostics: Onboard self diagnostics ensure your model is performing optimally and simplifies troubleshooting if maintenance or service is needed.

Auto restart: In case of gas or power outages, the model automatically resumes normal operation as soon as possible following the outage.

Cool-touch cabinet: Even while heating your space, the cool-to-the-touch cabinet keeps you and your family safe.

Control panel lock: The control panel locking feature prevents unintended operation – especially by children.

*For complete information and details regarding Rinnai's warranty, please visit rinnai.us.

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DIRECT VENT WALL FURNACE

Efficient choices that save you money.

With a Rinnai EnergySaver® Direct Vent Wall Furnace, you'll be as comfortable with your energy bill as you are with your room temperature. Our technology modulates the usage of gas, optimizing energy efficiency. With multiple models, we have just the right size and configuration to heat your whole home or complement your existing heating system.

Save energy – and money: Rinnai's unique modulating technology produces the specific level of heat needed at any given moment, responding immediately to even the smallest temperature changes.

Automatically manage room temperature: The easy-to-use programmable thermostat lets you automatically operate your model at the optimum temperature, even when you're away. Set your model to operate at a comfortable temperature while you're home, then automatically adjust to a lower setting when you're gone.

Customized comfort: Tailor supplemental or zone heating to your usage, habits and needs, for the most comfort in the most efficient way.

Complement existing heating: Rinnai EnergySaver® Direct Vent Wall Furnaces come in multiple sizes and can be used in a variety of configurations. That means you can supplement existing heating systems in the way that best suits your installation needs.

Fast installation: No ductwork means quicker installation.

Don't just save energy. Save time.

Your time is precious. So, at Rinnai, we designed our EnergySaver® Direct Vent Wall Furnaces to save you time right from the start. Quick, professional installation allows you to start enjoying more comfort – sooner. Versatile venting options even give you the luxury of placing your model in a variety of locations.

Easy to get started: With flexible venting placement, your model can be positioned along almost any exterior wall. Your installer can help you choose the best location and install your model the same day.

Easy installation: Simple one-hole venting makes installation fast and straightforward. All the parts your installer needs are included in the box with your model, and installation by a trained experienced contractor typically takes just four hours or less.

Set it and forget it: Use the programmable thermostat to set your model based on your habits and usage, and let your Rinnai EnergySaver® Direct Vent Wall Furnace do all the work.

Accessories For Flexible Installation.

THE RINNAI ENERGYSAVER

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Rinnai EnergySaver® Direct Vent Wall Furnaces vent directly through an exterior wall, with discreet terminations only four inches in diameter. Available extension kits offer even more freedom for applications where the wall furnace isn't on the exterior wall.

VENT EXTENSION KITS

Part Number	Extension Kit	EX11C	EX17C	EX22C/ EX22CW	EX38C/ EX38CW
FOT-155	12" to 20" (304 to 508 mm)	•			
FOT-156	21" to 40" (533 to 1,016 mm)	•			
FOT-157	61" to 80" (1,550 to 2,032 mm)	•			
FOT-158*	Std Bent Elbow	•	•	•	
FOT-201*	Long Bent Elbow	•	•	•	
FOT-219	12" to 20" (304 to 508 mm)		•	•	
FOT-220	21" to 40" (533 to 1,016 mm)		•	•	
FOT-221	61" to 80" (1,550 to 2,032 mm)		•	•	
FOT-102	12" to 20" (304 to 508 mm)				•
FOT-103	21" to 40" (533 to 1,016 mm)				•
FOT-114	61" to 80" (1,550 to 2,032 mm)				•
FOT-115	Std Bent Elbow				•

*Please consult the Owner's Operation and Installation Manual for complete venting information.

CONVERSION KITS

Part Number	Gas Type	Fits Model Number
204000033	NG	EX08C
204000037	LP	
204000034	NG	EX11C
204000038	LP	
204000035	NG	EX17C
204000039	LP	
204000036	NG	EX22C/EX22CW
204000040	LP	
204000026	NG	EX38C/EX38CW
204000027	LP	

EXTENSION PIPE COVER KITS (LIMITED AVAILABILITY)

Part Number	Description	EX11C	EX17C	EX22C/ EX22CW	EX38C/ EX38CW
FOT-132	Manifold Cover Kit				•
FOT-133	Cover Kit				•
FOT-134	Elbow Cover Kit				•
FOT-140	Manifold Cover Kit	•	•	•	
FOT-142	Elbow Cover Kit	•	•	•	

DIRECT VENT WALL FURNACE

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VENT TERMINATIONS			
Part Number		Description	Fits Wall Thickness - in (mm)
1	FOT-150	S Vent	3 – 4.5 (76 – 114)
2	FOT-151**	A Vent	4.5 – 9.5 (114 – 241)
3	FOT-152	B Vent	9.5 – 15.75 (241 – 400)
4	FOT-153	C Vent	15.75 – 23.63 (400 – 600)
5	FOT-154	D Vent	23.63 – 31.5 (600 – 800)

**FOT-151 Standard termination, included with the model.

Discreet Vent Terminal, only 4" (100 mm) in diameter.

DIRECT VENT

venting.

Direct, Through-Wall Vent Termination

Through-Wall Vent Termination with Extension Kit

Through-Wall Vent Termination with Extension Kit and Elbow

Please consult the Owner's Operation and Installation Manual for installation requirements.

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See How The Rinnai EnergySaver® Direct Vent Wall Furnace

CAN WORK FOR YOU.

With a Rinnai EnergySaver® Direct Vent Wall Furnace, you can be assured of consistent comfort and warmth. Designed to constantly monitor room temperature, Rinnai's unique modulating technology can respond immediately to even the smallest temperature fluctuations.

RINNAI MODULATING TECHNOLOGY

Rinnai's modulating technology responds to small temperature changes, resulting in higher levels of comfort.

SINGLE-STAGE HEATER (ON/OFF)

Traditional single-stage heating appliances have bigger swings in air temperature.

HOW IT WORKS

- Constantly monitors room temperature 2" (5 cm) from the floor
- Consistently detects temperature changes of less than 1° F
- Within seconds, the Rinnai EnergySaver® Direct Vent Wall Furnace begins to gently heat the room
- Fan speed and BTU output increase as necessary to reach the preset temperature
- As the room reaches the desired temperature, the EnergySaver® Direct Vent Wall Furnace reduces fan speed and BTU output
- In case of a sudden influx of cold air, the EnergySaver® Direct Vent Wall Furnace automatically adjusts fan speed and BTU to quickly restore warmth to the room

Heat is distributed evenly and heat loss is minimized since Rinnai EnergySaver® Direct Vent Wall Furnaces require no ductwork.

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USER-FRIENDLY CONTROL PANEL

Manage the temperature in your home with our user-friendly control panel. Simply choose a set temperature or customize heating during the day by programming the timers.

Enhance The Comfort Of The Spaces You

Inspections Division
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Experience whole-room comfort with advanced heating technology.

If you have a room or area you'd love to enjoy year-round, this is truly the answer you've been waiting for. Simple to install and use, the Rinnai Vent-Free Fan Convector allows you to get the most comfort from your space in an extraordinarily efficient way.

Convection heating: A convection fan evenly distributes warm air throughout the space, providing comfort even in faraway corners.

Programmable options: Set the desired temperatures for consistently delivered comfort.

Simple solution: Designed to be professionally installed with ease in nearly any space, it's a fast way to start enjoying more comfort.

Decrease energy bills. Increase comfort.

The Rinnai Vent-Free Fan Convector is one of the most fuel-efficient heating products on the market today. Utilizing either natural gas or liquid propane fuel, it can significantly reduce your energy bills.

No vents. No ducts: By eliminating places where heat typically gets lost, virtually all of the warm air gets delivered to the room—making for a solution that's 99.9% efficient.

Supplemental heating: Turn your room into your personal oasis with comfortably controlled temperatures specific to the space you are enjoying.

Can help reduce energy usage: With technology that regulates temperature output, the Rinnai Vent-Free Fan Convector operates in an incredibly cost-efficient manner.

THE RINNAI VENT-FREE FAN CONVECTOR

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Safely heating your space is a top priority.

We design the products that surround you and your family with this in mind. That's why the Rinnai Vent-Free Fan Convector is simple to use, efficient, and is built with the following safety features:

Cool-touch cabinet: While comfortably heating your space, the Vent-Free Fan Convector exterior remains cool to the touch.

Gas supply safety: The following features are designed into the Vent-Free Fan Convector for your family's safety:

- **Tilt switch:** The gas supply will automatically be disabled in the event the heater is knocked over. At the same time, the fan will continue to run to cool internal parts.
- **Flame failure protection:** If the burner flame goes out, the heater will automatically shut itself off and discontinue all operations.
- **Power failure:** Automatically detecting the electrical power supply, the gas supply will be shut off in the event of a power loss.

Oxygen Depletion Sensor (ODS): Actively monitoring oxygen levels in the room, if inadequate oxygen levels are detected, the model automatically shuts off.

Control panel lock: A control panel locking feature allows you to lock controls to prevent unintended operation–especially by children.

Years of comfort born out of nearly 100 years of quality and reliability.

The Vent-Free Fan Convector is engineered to give you years of comfort and warmth with:

Onboard diagnostics: Quickly troubleshoot and repair your system.

Overheat switch: A safeguard that monitors operating temperatures and automatically shuts the system down if temperatures exceed predetermined levels, preventing damage to system components.

Fuse protection: Protect your model's electrical system with a 5-amp fuse.

Three-year standard warranty on parts.*

*For complete information and details regarding Rinnai's warranty, please visit rinnai.us.

THE RINNAI VENT-FREE FAN CONVECTOR ADVANTAG

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1. **Easy adjustment buttons** offer a simple way to set temperature and time for desired comfort
2. **Digital display** shows programmable temperature and time settings
3. **Push-button electronic ignition** means there's no pilot light, which adds safety to the design
4. **Control panel lock** mode is easily activated and clearly displayed
5. **Cool-touch cabinet** enhances safety for everyone, especially children

Additional advantages

- Onboard self-diagnostics for easier maintenance
- Easy to install with no venting or chimney required
- 99.9% efficient for great energy savings
- Tilt switch to disable gas supply
- 3-year warranty on parts*

*For complete information and details regarding Rinnai's warranty, please visit rinnai.us.

Select the best Rinnai Vent-Free Fan Convector for your heating needs.

The sizing chart below is provided to help you determine which Rinnai Vent-Free Fan Convector model is best-suited for your heating needs.

How to use the Selection Guide:

1. Calculate the volume (cubic feet) or square footage of the space that will be heated.
   - Calculate volume (in cubic feet) by multiplying the length (in feet) times the width (in feet) by the height (in feet).
   - Calculate square feet by multiplying the length (in feet) times the width (in feet).
2. Choose your location on the map and the BTU Zone on the chart below.
3. Select model based on either calculated cubic feet or square feet.

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National heat zones

VENT-FREE FAN CONVECTOR SELECTION GUIDE			
	Room Volume / Heating Area Size		
BTU Zone	**Cubic Feet**	**Square Feet***	**Suggested Model**
I	up to 5,400	up to 675	FC510
	5,401–12,950	676–1,619	FC824
II	up to 4,500	up to 563	FC510
	4,501–10,900	564–1,363	FC824
III	up to 3,800	up to 475	FC510
	3,801–9,200	476–1,150	FC824
IV	up to 3,150	up to 394	FC510
	3,151-7,600	395–950	FC824
V**	up to 2,250	up to 281	FC510
	2,251–7,500	282–938	FC824
VI	up to 4,500	up to 563	FC510
	4,501–10,900	564–1,363	FC824

*Chart should not be used as the sole document for making final product selection. Consult with your Rinnai independent dealer. Based on 8 ft. ceiling height. These guidelines apply to average house construction. Information based on Sizing Guidelines for Vent-Free Gas Products found on http://www.ventfree.org.

**In single rooms in Region V, multiply the room's volume by 3.20. The result is the maximum heat input (BTU/hr) of the product that you should consider.

NOTE: Rinnai Vent-Free Fan Convectors are intended for supplemental heating only according to the International Fuel Gas Code (IFGC) and should be used in applications as such. Some states prohibit the use of unvented heaters. Check local codes for your area to verify approval of use.

ENERGYSAVER® DIRECT VENT WALL FURN

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EnergySaver® Direct Vent Wall Furnaces

Model	EX08C (RHFE-202FTA)		EX11C (RHFE-265FTA)		EX17C (RHFE-434FTA)	
Color	Beige		Beige		Beige	
Gas Type	NG	LP	NG	LP	NG	LP
Input Range (BTU) (Low / High)	3,000 / 8,000		5,500 / 11,000	5,700 / 11,000	8,200 / 16,700	
AFUE Rating	82%		81%		81%	
Fan CFM (CMM) Output (Low / High)	48.3 / 78.6 (1.4 / 2.2)		96.4 / 128.5 (2.7 / 3.6)		111.3 / 141.5 (3.2 / 4.0)	
Dimensions - w, h, d Inches (mm)	18.3 x 27.4 x 10.1 (465 x 695 x 257)		18.3 x 27.4 x 10.1 (465 x 695 x 257)		29.9 x 22.9 x 10.1 (760 x 582 x 257)	
Shipping Weight (lbs/kg)	46 lbs / 21 kg		46 lbs / 21 kg		57 lbs / 26 kg	
Power Consumption (Electronic ignition)	41 watts		44 watts		46 watts	
Standby Power Consumption	Less than 1 watt		Less than 1 watt		Less than 1 watt	
Noise Level dB(A)	27 – 36		31 – 38		33 – 38	
Total Extended Vent (ft/m)	Not Allowed		13 / 4		13 / 4	
Total Vertical Vent (ft/m)	Not Allowed		8† / 2.4		10 / 3	
Certifications	CSA, ICC-ES-PMG		CSA, ICC-ES-PMG		CSA, ICC-ES-PMG	
Warranty*	10 years on the heat exchanger, 5 years on parts, 2 years on labor					
Approved Altitude - Feet (m)	10,200 (3,109 m)		10,200 (3,109 m)		10,200 (3,109 m)	

† only 5' allowed above 2000' elevation.

*For complete information and details regarding Rinnai's warranty, please visit rinnai.us.

AND VENT-FREE FAN CONVECTORS SPECIFICATIO

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Vent-Free Fan Convectors

EX22C (RHFE-559FTA) / EX22CW (RHFE-559FTA-W)		EX38C (RHFE-1005FTA) / EX38CW (RHFE-1005FTA-W)		FC510 (RCE-391A-H)		FC824 (RCE-691TA-H)	
Beige / White		Beige / White		Off-White		Off-White	
NG	LP	NG	LP	NG	LP	NG	LP
8,200 / 21,500	8,200 / 20,700	13,200 / 38,400	13,200 / 36,500	5,500/10,000	5,600/10,000	8,400/24,000	8,000/22,000
81%		81%		99.9%		99.9%	
111.3 / 162.7 (3.2 / 4.6)		190.7 / 263.0 (5.4 / 7.4)		67.8 / 97.8 (1.9 / 2.8)		109.5 / 215.4 (3.1 / 6.1)	
29.9 x 22.9 x 10.1 (760 x 582 x 257)		36.6 x 26.4 x 13 (930 x 670 x 320)		19.2 x 19.4 x 9.6 (487 x 492 x 244)		24 x 19 x 9.4 (610 x 482 x 239)	
57 lbs / 26 kg		88 lbs / 40 kg		22.1 lbs / 10 kg		26.5 lbs / 12 kg	
56 watts		117 watts		19 watts		29 watts	
Less than 1 watt		Less than 1 watt		N/A		N/A	
33 – 42		39 – 46		28 – 38		30 – 44	
13 / 4		13 / 4		N/A		N/A	
10 / 3		10 / 3		N/A		N/A	
CSA, ICC-ES-PMG		CSA, ICC-ES-PMG		CSA for U.S. only		CSA for U.S. only	
10 years on the heat exchanger, 5 years on parts, 2 years on labor				3 years on parts		3 years on parts	
10,200 (3,109 m)		10,200 (3,109 m)		5,200 (1,585 m)		5,200 (1,585 m)	

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Home and water heating. Keeping comfort coming.

Comfort means different things to different people. Whether it's consistent heat throughout a home, pleasant humidity levels, or continuous hot water, our industry-leading line of Condensing Boilers keeps comfort coming with unparalleled performance.

Improve efficiency - increase comfort: Advanced smart system technology includes an outdoor reset sensor that continually adjusts to changing temperatures.

Hot water without interruption: Our E Series "combi" models have the power to deliver whole-house heating and domestic hot water priority for homes with one to two bathrooms.

Wide range of options: Because comfort is such a personal choice, we offer ten models to give you a wide range of quality options for both existing homes and new construction.

Enduring quality. Lasting peace of mind.

No one can predict the future, but the past is a good gauge of things to come. Rinnai's nearly 100 years of superior engineering, safety and quality inspire peace of mind that our boilers will stand the test of time.

The Rinnai tradition of building in quality at every level with a 12-year heat exchanger warranty* ensures many years of comfort and warmth. And our superior technical support for professionals along with durability testing means peace of mind and performance you can trust.

Main features to ensure quality you can trust:

Stainless steel heat exchanger: Our proprietary self-cleaning, down-fired stainless steel heat exchanger has industry-leading performance and durability.

OSS (one-side sealed) construction: This arrangement maintains integrity during heat exchanger expansion and contraction.

Factory-assembled low-loss header kit: Professionals will save time and money with our convenient factory-assembled low-loss leader kit that's shipped with the model.

Integrated boiler pump: Our boiler pump eliminates the need to size the pump for the boiler loop and keeps a tight rein on energy usage.

**For complete information and details regarding Rinnai's warranty, please visit rinnai.us.

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Waste not, pay not with superior efficiency.

Conventional heating systems waste energy with significant heat loss vented into the atmosphere. Rinnai Condensing Gas Boilers are designed to recover heat energy that is discharged into the flue and return it to the heat exchanger for maximum efficiency.

Energy-smart performance: Thanks to advanced technology, our condensing boilers have one of the highest AFUEs (Annual Fuel Utilization Efficiency) in the industry.

Consistently comfortable heat: Our modulating gas valve responds to small temperature changes with incremental increases in BTU.

One complete system: Our Condensing Boilers ship with a factory-assembled low-loss header, integrated boiler pump, and pre-programmed outdoor reset sensors. (Factory-assembled low-loss header kit not included with E50C boiler model.)

Efficient warmth: With a fully-modulating boiler pump that uses only as much energy as needed, you will experience a consistent level of warmth throughout your home and steady savings throughout the year.

Space to spare, no matter where.

When you're raising the bar on condensing boiler performance and efficiency, reducing space requirements vs. traditional boilers simply comes with the territory. Rinnai Condensing Boilers can be easily retrofitted in existing homes or installed in new construction.

E Series "combi" models: These compact wall-mounted designs provide heating and hot water in one full package.

Floor-standing Q Premier Series: Enjoy a complete, fully-assembled space-saving solution featuring a boiler and tank all-in-one.

Multiple venting options on all models: Our multiple venting options allow for installation in a variety of locations that result in quicker installations and lower labor costs.

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1. Gas-Air Mix
2. Combustion of Gas-Air Mix
3. Hot CH Water
4. Flue Gases
5. Fan and Venturi Assembly
6. Upside-Down Ceramic Burner
7. Stainless Steel Pipes
8. Condensate Outlet

Rinnai Condensing Boilers

Unparalleled comfort and efficiency for your home. That's what you get with our range of economical, reliable and space-saving Rinnai Condensing Boilers. And while a boiler may not be a focal point in your home, its function is of the utmost importance. That's why the way a Rinnai Condensing Boiler is built sets it apart from other available heating and hot-water options.

1. Stainless Steel Heat Exchanger
2. Boiler Pump
3. Three-Way Diverting Valve
4. Expansion Tank (heating loop)
5. Domestic Tank Pump
6. Plate HEX (behind tank pump)
7. Temperature and Pressure Relief Valve
8. 24-Gallon (90 L) Stainless Steel Charged Tank
9. Tank Drain Valve

FOOTPRINT COMPARISON
(PRODUCT + CLEARANCES)

Q PREMIER

ALL-IN-ONE RESIDENTIAL HEATING AND DOMESTIC HOT WATER

Perfect for replacement or new construction, these all-in-one floor-standing boilers deliver high-volume hot water and efficient home heating.

BENEFITS UNIQUE TO Q PREMIER

- The QP130 provides 211 gallons (799 L) in the first hour, while the QP85 provides 141 gallons (534 L) for an abundance of hot water.
- The space-saving boiler has more than five times less of a footprint than a traditional boiler and indirect tank system.
- Multiple plumbing and venting options enable easy set-and-connect installation. The boilers come fully-assembled with integrated connections for domestic hot-water recirculation lines, factory-installed low-loss header and expansion tank.
- The zero-clearance installation design is perfect for remodeling.

DOMESTIC WATER COMPARISON

Model	QP130	QP85	Traditional Boiler Installation
Tank Size	24 gal (90 L)		45 gal (170 L)
BTU	130 k	85 k	157 k*
First Hour	211 gal (799 l/hr)**	141 gal (534 l/hr)	212 gal (803 l/hr)***

*141,000 output for domestic.
**Based on AHRI testing standard for indirect-fired water heaters.
***Based on 90° rise.

RINNAI CONDENSING BOILERS

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1. Gas Valve
2. Fan
3. Exhaust/Intake
4. Stainless Steel Heat Exchanger
5. 6.6 Gallon (25 L) DHW Indirect Tank (Q175C Model)
6. Boiler Pump
7. Integrated Thermostatic Mixing Valve for DHW

1. Gas valve
2. Fan
3. Exhaust/Intake
4. Stainless Steel Heat Exchanger
5. DHW Plate Heat Exchanger
6. Boiler Pump
7. Three-Way Motorized Valve Allows Boiler to Switch Between Heating and DHW
8. Expansion Tank

Q SERIES

IDEAL FOR HOMES OR LIGHT COMMERCIAL

An outstanding choice for light-commercial applications or any home with a separate indirect hot-water source, our wall-mounted boilers free up valuable floor space while maintaining maximum comfort in your home.

BENEFITS UNIQUE TO Q SERIES

- The four "S" boiler models deliver energy-efficient home heating and offer an optional 3-way diverter valve to simplify installations that have an indirect tank.
- Consistent temperature is delivered using a thermostatic mixing valve in our Q175C combi heating/hot-water boiler with an onboard 6.6 gallon (25 L) gallon fully-insulated, indirect tank.
- There's no wasted energy with the fully-modulating boiler pump that uses just the BTU needed to meet the immediate demand (The maximum BTU input ranges from 85,000 to 205,000).
- Installation flexibility allows venting up to a total of 200 feet – 100 feet exhaust and 100 feet intake.

E SERIES

HEATING AND HOT WATER IN ONE COMPACT MODEL

Perfect for homes with 1 to 2 baths, E Series Combi Boilers ensure homeowners won't have to sacrifice continuous hot water.

BENEFITS UNIQUE TO E SERIES

- The space-saving, wall-mounted design integrates the boiler pump and heating expansion tank (Excluding the E50C boiler model).
- A plate-warming feature delivers faster hot-water.
- Continuous hot water is available via domestic hot water priority.
- The design provides increased efficiency to meet your home's needs, with a maximum BTU heating input from 75,000 to 110,000.
- A stainless steel domestic hot-water plate heat exchanger creates proven long-lasting durability.
- The E50C is specifically designed for multifamily applications or smaller single-family homes with up to 1.5 baths with no secondary piping or closely-spaced tees required†.

†Not required if the pressure drop in any system loop(s) does not exceed 4.6 feet of head at 4.5 GPM flow rate.

CONDENSING BOILER MO

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	Q Premier Series		Q Series	
Models*	QP85	QP130	Q85S	Q130S
Dimensions - w, h, d Inches (mm)	23.6 x 61.8 x 25.2 (600 x 1,570 x 640)	23.6 x 61.8 x 25.2 (600 x 1,570 x 640)	19.7 x 26.8 x 15.2 (500 x 680 x 385)	19.7 x 26.8 x 15.2 (500 x 680 x 385)
Weight (lbs/kg)**	236 lbs (107 kg)	243 lbs (110.2 kg)	110 lbs (50 kg)	117 lbs (53 kg)
Fuel Type	NG, LP with conversion kit	NG, LP with conversion kit	NG or LP, field convertible	NG or LP, field convertible
Max. Heating Capacity (BTU)	78,000 (23 kW)	119,000 (35 kW)	78,000 (23 kW)	119,000 (35 kW)
Min. Input (BTU)	17,000 (5 kW)	26,000 (8 kW)	17,000-NG / 37,000-LP (5 kW-NG / 11 kW-LP)	26,000-NG / 59,000-LP (8 kW-NG / 17 kW-LP)
Max. Input (BTU)	85,000 (25 kW)	130,000 (38 kW)	85,000 (25 kW)	130,000 (38 kW)
Max. Input (BTU-Heating)	85,000 (25 kW)	130,000 (38 kW)	85,000 (25 kW)	130,000 (38 kW)
Turn Down Ratio	5:1	5:1	5:1	5:1
DHW Activation Rate (G)	0 Gallon / Minute	0 Gallon / Minute	Indirect Tank Compatible	Indirect Tank Compatible
DHW Activation Rate (LPM)	0 Liter / Minute	0 Liter / Minute		
Max. DHW @ 75° F ΔT	141 Gallon / First Hr***	211 Gallon / First Hr***		
Max. DHW @ 41.7° C ΔT	534 Liter / First Hr***	794 Liter / First Hr***		
AFUE Rating	95.4%	95.4%	95.4%	95.4%
Circulating Pump	Modulating	Modulating	Modulating	Modulating
Storage Capacity	24 Gal (90 L)	24 Gal (90 L)	N/A	N/A
Approved Venting Material	Polypropylene, Stainless Steel, PVC, CPVC			
Warranty†	12-year heat exchanger, 12-year tank, 2-year parts, 1-year labor.			
Certifications	ENERGY STAR®, CSA, NB, IBR, ASME, H			
Included in the box	• PRV • 3" (80 mm) twin pipe adapters for venting (PVC and PP) • Temperature and pressure gauge • Outdoor reset sensor • 3/4" gas shut-off valve			

* Residential installation only.
** Shipping weight.
*** Based on AHRI testing standard for indirect-fired water heaters.

CHART SPECIFICATIONS

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E Series

Q175S	Q175C	Q205S	E75C	E110C	E50C
26 x 26.8 x 15.2 (660 x 680 x 385)	39.4 x 26.8 x 15.2 (1,000 x 680 x 385)	26 x 26.8 x 15.2 (660 x 680 x 385)	19.7 x 25.6 x 15.6 (500 x 650 x 395)	19.7 x 25.6 x 15.6 (500 x 650 x 395)	19.7 x 25.6 x 15.6 (500 x 650 x 395)
141 lbs (64 kg)	196 lbs (89 kg)	141 lbs (64 kg)	91 lbs (41 kg)	101 lbs (46 kg)	91 lbs (41.3 kg)
NG or LP, field convertible	NG or LP, field convertible	NG or LP, field convertible	NG or LP, field convertible	NG or LP, field convertible	NG, field convertible
161,000 (47 kW)	161,000 (47 kW)	189,000 (55 kW)	69,000 (20 kW)	101,000 (30 kW)	47,000 (13.8 kW)
35,000-NG / 74,000-LP (10 kW-NG / 22 kW-LP)	35,000-NG / 74,000-LP (10 kW-NG / 22 kW-LP)	41,000-NG / 74,000-LP (12 kW-NG / 22 kW)	17,000-NG / 37,000-LP (5 kW-NG / 11 kW-LP)	26,000-NG / 59,000-LP (8 kW-NG / 17 kW-LP)	13,000 (3.8 kW)
175,000 (51 kW)	175,000 (51 kW)	205,000 (60 kW)	85,000 (25 kW)	130,000 (38 kW)	85,000 (25 kW)
175,000 (51 kW)	175,000 (51 kW)	205,000 (60 kW)	75,000 (22 kW)	110,000 (32 kW)	50,000 (15 kW)
5:1	5:1	5:1	5:1	5:1	6.25:1
Indirect Tank Compatible	0 Gallon / Minute	Indirect Tank Compatible	0.39 Gallon / Minute	0.39 Gallon / Minute	0.39 Gallon / Minute
	0 Liter / Minute		1.77 Liter / Minute	1.84 Liter / Minute	1.84 Liter / Minute
	4.1 Gallon / Minute		2.1 Gallon / Minute	3.2 Gallon / Minute	2.1 Gallon / Minute
	15.5 Liter / Minute		7.9 Liter / Minute	12.1 Liter / Minute	7.9 Liter / Minute
95.0%	95.0%	95.0%	95.5%	95.5%	95.6%
Modulating	Modulating	Modulating	Single Speed	Single Speed	Single Speed
N/A	6.6 Gal (25 L)	N/A	N/A	N/A	N/A
Polypropylene, Stainless Steel, PVC, CPVC					
Standard Warranty (some restrictions apply): Residential: 12-year heat exchanger, 2-year parts, 1-year labor. Commercial: 5-year heat exchanger, 2-year parts, 1-year labor.					Standard Warranty
ENERGY STAR®, CSA, NB, IBR, ASME, H					CSA, NB, H
• Plumbing kit—includes pre-assembled low-loss header with isolation valves, PRV, boiler drain, temperature and pressure gauge, unions and insulation • 3” (80 mm) twin pipe adapters for venting (PVC and PP) • Wall mounting bracket			• Outdoor reset sensor • 3/4" gas shut-off valve • Flow restrictor (combi models only)		• Wall mounting bracket • Outdoor reset sensor • Flow restrictor • 3” (80 mm) twin pipe adapters for venting (PVC and PP)

†For complete information and details regarding Rinnai’s warranty, please visit rinnai.us.

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SIDE-MOUNT LOW-LOSS HEADER PIPE KIT*

KIT NO.	FITS MODEL NO.	BENEFITS
804000071	E75C / E110C	• Solution for applications with height limitations • Allows installer to connect system components at an optimal height • Saves on time and labor • Mounts to left side of boiler only
804000072	Q85S / Q130S	
804000073	Q175C / Q175S / Q205S	

*Pre-bent pipes only, low-loss header not included in kit.

CONDENSATE NEUTRALIZER KIT

PART NO.	
804000074	• Raises pH before discharge into drain • 1.6 gallons/hour (6.05 liters/hour) • Mounts vertically or horizontally • Fast, simple installation • Clear capsule • Refillable • Parts included

RS100 CONTROLLER**

PART NO.	
RS100	• Simple digital controller with backlit display • Direct communication with boiler • Adaptive indoor reset control • Error reporting and auto service message • Local override of the room temperature • Features three factory preset programs; programmable for holidays • Customized program/profile can be created by user or installer to fit individual needs

**Available for E Series and Q Series models; not available for QP Series.

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Low-Loss Header

1. PRV
2. Boiler Supply
3. Supply Connection for Indirect Tank
4. Pressure and Temperature Gauge
5. Boiler Drain
6. Supply System / Di-Electric Union
7. System Return / Di-Electric Union
8. Boiler Return

In order to optimize overall performance and provide durability, every Rinnai boiler includes a factory-assembled low-loss header. The easy-to-install low-loss header eliminates the need for balanced pump sizing, simplifying system design.

- Reduced installation time compared to traditional closely-spaced tees with factory-assembled kit
- Space-saving compact design
- More efficient heat transfer and reduced heat loss due to fully-insulated header

Venting.

FLEXIBLE VENTING OPTIONS FOR RINNAI

Rinnai Condensing Wall-Mounted Gas Boilers ensure a simple installation in any home, and are ready for direct-vent right out of the box—through either a wall or roof penetration. The twin-pipe adapter included allows venting with outside air intake. A comforting combination of safety and flexibility is available with concentric venting, which permits outside air intake through a single wall or roof penetration.

Chimney Liner: Simpson Fas-n-seal Duravent flex liner

Twin-pipe with concentric sidewall termination

Vertical vent and horizontal air intake

Twin-pipe with concentric vertical termination

Concentric pipe with horizontal sidewall termination

Concentric pipe with roof termination

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A tradition of
TRUE RELIABILITY.

For nearly 100 years, we at Rinnai have been fiercely committed to delivering nothing less than a superior experience at every touch point.

Beyond manufacturing the highest quality products, our people stand behind all that we make—before, during and long after installation. From the 24/7/365 technical support for professionals, to our national network of independent installers for homeowners, to on-staff engineers who can assist with choosing the right products and sizes—we're inspiring confidence right along with the comfort our solutions provide.

Rinnai®

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

www.rinnai.us

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R-CNHT-E-08 r3
CH-V2

6/2015