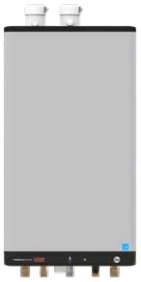
Combi Boiler Feature Comparison Chart

Rheem® FT™ Series vs. and ThermaForce®

Boilers





Feature	Rheem FT™ Series Combi Boiler	Rheem ThermaForce® Combi Boiler
Models	RCBH-FT150, RCBH-FT199	RCBH-L125i, RCBH-L160i, RCBH-L199i
Type	Combi Boiler (Space & DHW)	Combi Boiler (Space & DHW)
AFUE Efficiency	95%	L160i 94%, L125i 95%, L199i 95%
ENERGY STAR® Certified	Yes	Yes
Heat Exchanger	ASME 439 stainless steel fire tube and combi block	Patented (labyrinth) aluminum block with copper waterways
Turndown Ratio	10:1	L125i: 6:1, L160i: 7:1, L199i: 7:1
Domestic Hot Water (DHW) Output	Yes	Yes
Boiler Input Range (Heating Mode) BTU/h Min. - Max.	FT150: 15,000 - 150,000 FT199: 20,000 - 199,000	L125i: 16,500 - 99,000 L160i: 23,000 - 125,000 L199i: 28,500 - 125,000
Boiler Output Range (Heating Mode) BTU/h Min. - Max.	FT150: 14,300 - 138,500 FT199: 19,100 - 183,700	L125i: 15,800 - 89,000 L160i: 22,000 - 111,000 L199i: 27,100 - 111,000
Input Range DHW BTU/h Min. - Max.	FT150: 15,000 - 150,000 FT199: 20,000 - 199,000	L125i: 16,500 - 125,000 L160i: 23,000 - 160,000 L199i: 28,500 - 199,000
Built-in Pump	Yes – Pre-installed and factory-wired	Yes – ECM variable speed pump
Zone Control	Yes – 4 Zones	No
Cascade Capability	Yes – up to 4 units (space heating only)	Yes – Wireless cascading (no Wi-Fi required); up to 8 units (for both space heating and DHW)
Control Interface	Full color LCD touchscreen display for easy setup and maintenance	Illuminated touchscreen with diagnostics
Parts Simplicity	4 Universal Shared Platform Parts: Fan, Gas Valve, Boiler Pump, Diverting Valve	5 Universal Shared Platform Parts: Fan, Bypass Valve, Boiler Pump, Gas Valve and Damper
Reverse Flow Detection	Yes	No
Outdoor Reset Sensor	Yes	Yes
CSA/UL Approved Low Water Cut-Off	Yes	No
Moisture Free Zone (MFZ) Technology	Yes	No – Not required with damper
Venting Options	PVC/CPVC/PPs approved; up to 170 ft (3")	PVC/CPVC/PPs approved; up to 120 ft (3")
Ultra Low NOx	Yes	Yes
Size (L x W x H Inches)	FT150: 18.6 x 17.1 x 34.8 FT199: 20 x 17.1 x 34.8	17.7 x 10.9 x 32.5
Weight (lbs)	FT150: 100 lbs, FT199: 113 lbs	85 lbs
Warranty	15-year heat exchanger, 5-year parts, 1 year labor	10-year heat exchanger, 5-year parts, 1 year labor

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Combi Boiler Feature Sheet

Rheem® FT™ Series vs. and ThermaForce®

Boilers

Rheem® FT™ Series combi boilers deliver high-efficiency heating and on-demand domestic hot water with intuitive touchscreen controls and built-in 4-zone control for precise, whole-home comfort.

Maximum Control

- Intuitive touchscreen display simplifies setup, maintenance & troubleshooting
- 4-zone temperature control capability
- Turndown ratio: 10:1

Designed for Long Life

- Stainless steel fire tube heat exchanger with a 15-year warranty
- Pre-installed and factory wired primary pump
- Moisture free zone (MFZ) technology

Rheem® ThermaForce® combi boilers provide dependable heating and domestic hot water with streamlined installation and wireless cascading for flexible, space-saving performance.

Streamlined Installation and Service

- Wireless cascading capability – up to 8 units
- 5 Universal shared platform parts
- Built-in ECM variable speed pump

Durable Design

- Patented labyrinth aluminum heat exchanger with a 10-year warranty

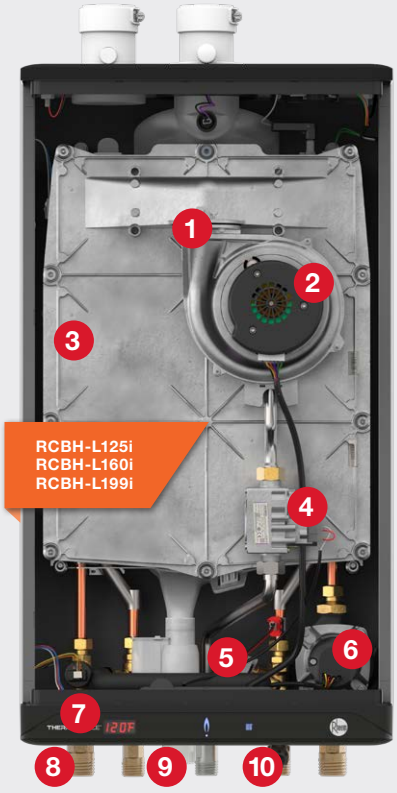


FT™ SERIES



1. **Fan**
2. **Safety Ignition Module (SIM+)**
3. **Gas Valve**
4. **Full Color Intuitive Touchscreen Display**
5. **Stainless Steel Fire Tube Heat Exchanger & Pump**
6. **Return Water PIpe**
7. **Supply Water Pipe**
8. **Diverting Valve**

THERMAFORCE™ SERIES



1. **Damper**
2. **Burner Fan**
3. **Labyrinth Aluminum Heat Exchanger**
4. **Field Convertible** from Natural Gas to Liquid Propane
5. **Bypass Valve**
6. **Built-In ECM Boiler Pump**
7. **Illuminated Touchscreen Control Panel**
8. **1" Space Heating Connection**
9. **Condensate Trap**
10. **3/4" Domestic Water Connections**

CONTACT US

Customer Service, Warranty and Parts	Technical Service	Plumber Support Group
800.621.5622	833.212.9276	866.339.2388

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