Boiler Feature Comparison Chart

RUUD® FT™ Series vs. RUUD® ThermaForce®

RELY ON RUUD™







FEATURE	RUUD® FT™ SERIES BOILER	RUUD® FTS™ SERIES BOILER	RUUD® THERMAFORCE® BOILER
Models	FT110, FT150, FT199, FT260, FT399	FTS85, FTS115, FTS160, FTS199,	L99i, L120i
Type	Space Heating Boilers		
AFUE Efficiency* or Thermal Efficiency**	FT399: 96%** and FT110, FT150, FT199, FT260: 95%*	FTS85: 96%*, FTS115, FTS160, FTS199: 95%*	L99i: 96%* L120i: 95%*
ENERGY STAR® Certified	Yes		Yes
Heat Exchanger	ASME 439 stainless steel FireTube		Patented (labyrinth) aluminum block with copper waterways
Turndown Ratio	FT110, FT150, FT199: 6.5:1, FT260, FT399: 10:1	FTS85, FTS115, FTS160, FTS199: 8:1	L99i 6.4:1 L120i 8.8:1
Domestic Hot Water (DHW) Output	No, but is compatible with Rheem indirect tanks to get DHW		
Boiler Input Range (Heating Mode) BTU/h Min. - Max.	FT110: 16,900 - 110,000 FT150: 23,000 - 150,000 FT199: 30,600 - 199,000 FT260: 26,000 - 260,000 FT399: 40,000 - 399,000	FTS85: 10,600-85,000 FTS115: 14,000-115,000 FTS160: 20,000-160,000 FTS199: 32,000-199,000	L99i: 15,500 - 99,000 L120i: 13,650 - 120,000
Boiler Output Range (Heating Mode) BTU/h Min. - Max.	FT110: 16,200 - 101,500 FT150: 22,000 - 138,500 FT199: 29,200 - 183,700 FT260: 24,900 - 239,000 FT399: 38,400 - 383,000	FTS85: 10,100-79,000 FTS115: 13,300-109,000 FTS160: 19,000-147,000 FTS199: 30,000-181,300	L99i: 14,800 - 89,000 L120i: 13,000 - 108,000
Built-in Pump	No – Sold separately		Yes – ECM variable speed pump
Zone Control	Yes – 4 Zones		No
Cascade Capability	Yes - up to 4 boilers (FT110,FT150,FT199) and up to 24 boilers (FT260, FT399)	Yes - up to 24 boilers (FTS85, FTS115, FTS160, FTS199)	Yes – Wireless cascading (no Wi-Fi required); up to 8 units
Control Interface	Full color LCD touchscreen display for easy setup and maintenance		Illuminated touchscreen with diagnostics
Parts Simplicity	2 Universal Shared Platform Parts: Fan, Gas Valve		4 Universal Shared Platform Parts: Fan, 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 200 ft (2" or 4") and 480 ft (3")		PVC/CPVC/PPs approved; up to 120 ft (3")
Ultra Low NOx	Yes		Yes
BACnet Interface Option Available	Yes (FT260, FT399)	Yes	No
Size (L x W x H inches)	FT110: 17.8 x 16.9 x 28.1, FT150: 18.8 x 18.6 x 28. FT199: 20.4 x 19.6 x 28.2 FT260: 25 x 17.6 x 35.6 FT399: 27 x 19.5 x 39.9	FTS85/FTS115: 32 x 20 x 13.1 FTS160: 32 x 21.8 x 14.8 FTS199: 32 x22.5 x 16.3	17.7 x 10.9 x 32.5
Weight (lbs)	FT110: 67 lbs, FT150: 78 lbs, FT199: 88 lbs, FT260: 162 lbs, FT399: 240 lbs	FTS85/FTS115: 85 lbs, FTS160: 102 lbs, FTS190: 152 lbs	L99i: 84 lbs, L120i: 85 lbs
Warranty	15-year heat exchanger, 5-year parts,1-year labor		10-year heat exchanger, 5-year parts, 1-year labor

Ruud.com/Boiler

Boiler Feature Sheet

RUUD® FT™ Series vs. RUUD® ThermaForce®

RELY ON RUUD™

Ruud® FT™ Series & FTS™ Series boilers deliver high performance and feature an intuitive touchscreen display and 4-zone control ideal for larger homes that require maximum control.

Maximum Control

- Intuitive touchscreen display simplifies setup, maintenance & troubleshooting
- 4-Zone control capability
- Up to 10:1 turndown ratio

Designed for Long Life

- Stainless steel fire tube heat exchanger with a 15-year warranty
- Moisture free zone (MFZ) technology
- Reverse flow detection

Ruud® ThermaForce® boilers offer wireless cascading and a streamlined installation.

Streamlined Installation and Service

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

Durable Design

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

All boilers are durable and built for long life in new construction and retrofit applications.



FT™ SERIES

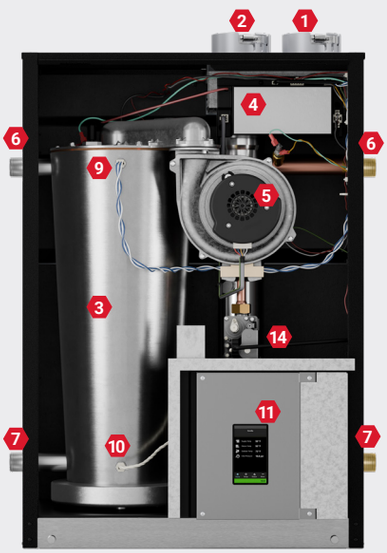


RUHBH-FT110, RUHBH-FT150, RUHBH-FT199



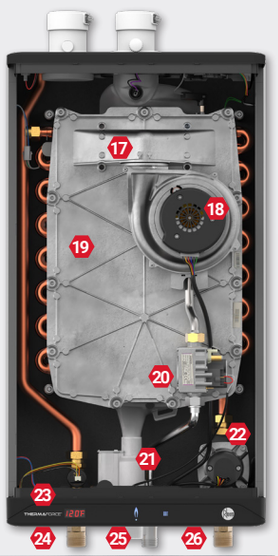
RUHBH-FT260, RUHBH-FT399

FTS™ SERIES



RUHBH-FTS85, RUHBH-FTS115, RUHBH-FTS160, RUHBH-FTS199

THERMAFORCE™ SERIES



RUHBH-L99i, RUHBH-L120i

1 Intake Duct
2 Exhaust Duct
3 Stainless Steel Fire Tube Heat Exchanger
4 Ignition Module
5 Fan
6 Supply Pipe
7 Return Pipe
8 Low Water Cutoff Probe
9 Supply Temp Sensor
10 Return Temp. Sensor
11 Full Color Intuitive Touchscreen Display
12 Water Pressure Sensor
13 Gas Line
14 Gas Valve
15 Ignitor
16 Manual Air Vent
17 Damper
18 Burner Fan
19 Labyrinth Aluminum Heat Exchanger
20 Field Convertible*
21 Bypass Valve
22 Built-In ECM Boiler Pump
23 Illuminated Touchscreen Control Panel
24 1" Space Heating Connection
25 Condensate Trap
24 3/4" Domestic Water Connections

*From Natural Gas to Liquid Propane

CONTACT US

Customer Service, Warranty and Parts
800.621.5622

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Plumber Support Group
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