



## FS 140 COMBINATION OIL/WOOD HOT AIR FURNACE

The Benjamin Heating Products manufacturing facility incorporates CAD/CAM technology, delivering the most modern, efficient heating appliances possible for today's discerning consumer.

- Utilizing the concept of Aerodynamic flow has resulted in the efficiencies of an oil furnace combined with the comfort of wood.
- Up to 85.4% seasonal efficiency on oil.
- Oil and wood in completely separate chambers.
- Wood on top for ease of loading.
- Compact size utilizes less of your valuable floor space and makes the unit easy to install.
- Oval wood firebox 18" H x 21" W x 24" Depth.
- Choice of Aero, Beckett or Riello high-efficiency burners.
- Switches from wood to oil automatically.
- Oval firebox eliminates the need for firebrick.
- FS140 does not sacrifice oil efficiency to burn wood.
- With proper design and installation, unique one piece construction will operate with no power using gravity flow.



**6 YEAR LIMITED WARRANTY ON UNIT**

**COMPACT DESIGN!!**

*Over 35 years experience designing and manufacturing heating products—assuring quality and heating efficiency.*



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**CERTIFIED TO: CSA B140.4, CAN/CSA B366.1, CSA B212 (EEV), UL391 and UL 727**

## SPECIFICATIONS

20" x 24" x 1" Filter

Warm Air Plenum 24" x 30"

Return Air Plenum 24" x 18"

Cast Iron Door 12" x 14"

7" I.D. Smoke Pipe - 41-1/4" Height

Shipping Weight: 550 lbs

Dimensions: 53-1/4" L x 26" W x 47-1/4" H

1/3 HP Motor / G10 Blower / 1300 CFM @ 0.2" S.P.

## CONTROL KIT

2 Thermostats  
1 Fan Limit C/W Bracket  
1 Damper Motor  
1 Blocked Flue Sensor

1 Burner  
1 Switching Relay and Transformer  
Primary Control Kit Pre-wired

NOZZLES: B = DELEVAN

## RIELLO BURNERS

Burner Insertion - F5 4-1/8"

MODEL	INPUT US GPH	NOZZLE SIZE	PUMP PSIG	RIELLO MODEL	TBLTR	AIR (INITIAL)	OUTPUT BTU	EFFICIENCY OIL
FS140R	0.90	.75 X 80°B	145	F5	1.5	3.5	107,000	85.4
FS140R	1.02	.85 X 80°B	145	F5	3.3	3.8	120,700	84.9

## BECKETT BURNERS

Burner Insertion: 4"

MODEL	INPUT US GPH	NOZZLE SIZE	PUMP PSIG	BECKETT MODEL	AIR (INITIAL)	OUTPUT BTU	EFFICIENCY OIL
FS140B	0.85	.75 X 80°B	140	AFG	10 2	106,600	84.9
FS140B	1.00	.85 X 80°B	140	AFG	10 3	118,700	85.1

## AERO BURNERS

Burner Insertion: 4"

MODEL	INPUT US GPH	NOZZLE SIZE	PUMP PSIG	AERO MODEL	AIR BAND	OUTPUT BTU	EFFICIENCY OIL
FS140A	0.85	.85 X 80°B	100	HF-US	15 hole	101,200	85.4
FS140A	1.00	1.00 X 80°B	100	HF-US	15 hole	118,300	84.9



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