

**Up to 85.9%
EFFICIENCY**
qualifies for energy rebates

- **CERAMIC FIBER COMBUSTION CHAMBER**

Provides complete combustion.

- **10 GA. PRIMARY HEAT EXCHANGER
14 GA. SECONDARY HEAT EXCHANGER**

One of the heaviest Heat Exchangers in the industry.
All units ultrasonically tested.

- **AVAILABLE IN HIGHBOY & LOWBOY MODELS**

To fit your home's heating requirements.

- **MULTIPLE FIRING RATES ON EACH FURNACE**

Gives you the option to individualize your needs.

- **STANDARD HONEYWELL OPERATING CONTROLS**

Easily available components.

- **LIMITED LIFETIME WARRANTY**

To the original purchaser of the furnace.

- **POWDER COATED CABINETRY**

- **AVAILABLE WITH BECKETT, CARLIN, AND RIELLO BURNERS**

Benefits of the ECM Motor

1 ENHANCED COMFORT

Slow ramp up of the blower minimizes the burst of cold air on start up making your home more comfortable.

2 LOWER LEVELS OF AIRFLOW REMOVES MOISTURE IN THE AIR

Benefits the use with high efficiency air conditioning systems. Increase your cooling efficiency by 1 %.

3 OPTIMIZES SYSTEM EFFICIENCIES

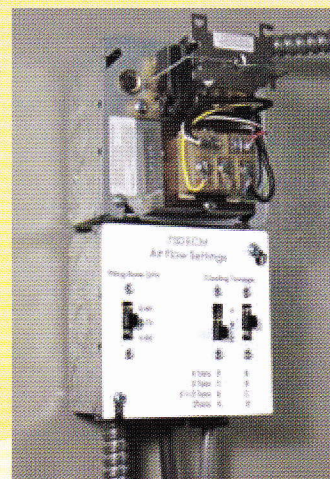
The ECM motor can compensate for poor duct design a leading cause of premature heat exchanger failures. No over blowing at low pressure or inadequate airflow at high pressure. Reduces operating costs, 1/10 the use of energy of the normal psc motor.

4 REDUCED NOISE LEVELS

Quieter motor operation.
No system balancing required. No dampers for airflow adjustment.

5 ACCOMODATES

2-stage cooling
2-stage heat pump
No fossil fuel kit necessary



ECM

*Variable Speed
High Efficiency
Oil-Fired Furnace*

ECM Specifications

Model No.	Firing Rate	ECM	HB/LB 750				HB/LB 1000			
			.60	.75	.85		1.00	1.25		
Standard Horsepower			3/4 Var. Speed	3/4 Var. Speed	3/4 Var. Speed		3/4 Var. Speed	3/4 Var. Speed		
CFM @ 0.2 & 0.5 W/C			0.2	0.5	.02	.05	.02	.05	.02	.05
Cooling CFM	A/C Tonnage Selection	ECM								
	2 Ton		800	800	800	800	800	800	N/A	N/A
	2.5 Ton		1000	1000	1000	1000	1000	1000	1000	1000
	3 Ton		1200	1200	1200	1200	1200	1200	1200	1200
	4 Ton		1600	1600	1600	1600	1600	1600	1600	1600
	5 Ton		N/A	N/A	N/A	N/A	N/A	N/A	2000	2000
Heating CFM*	Heating Nozzle Size	ECM								
	.60		875	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	.75		1050	1050	N/A	N/A	N/A	N/A	N/A	N/A
	.85		1175	1175	1175	1175	N/A	N/A	N/A	N/A
	1.00		N/A	N/A	N/A	N/A	1475	1475	N/A	N/A
	1.25		N/A	N/A	N/A	N/A	1850	1850	1850	1850
Continuous Fan CFM	A/C Tonnage Selection	ECM								
	2 Ton		500	500	500	500	N/A	N/A	N/A	N/A
	2.5 Ton		500	500	500	500	500	500	500	500
	3 Ton		525	525	525	525	525	525	525	525
	4 Ton		700	700	700	700	700	700	700	700
	5 Ton		N/A	N/A	N/A	N/A	880	880	880	880

* The air flows for heating are designed to give a 70 F to 75 F temperature rise.

Furnace Specifications

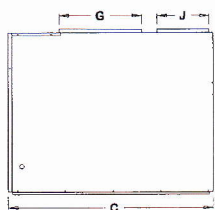
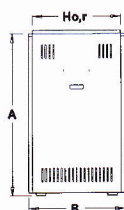
MODEL	Low Boy ¹					High Boy				
	750		1000			750		1000		
B.T.U.H. Input	85,000	105,000	120,000	140,000	175,000	85,000	105,000	120,000	140,000	175,000
B.T.U.H. Output	70,000	85,000	95,000	115,000	140,000	70,000	85,000	95,000	115,000	140,000
Nozzle Beckett AFG ²	.60 80°A	.75 80°B	.85 80°B	1.00 80°B	1.25 80°B	.60 80°A	.75 80°B	.85 80°B	1.00 80°B	1.25 80°B
Nozzle Riello 40 Series ³	.50 60°A	.60 60°A	.65 60°A	.85 80°B	1.00 80°B	.50 60°A	.60 60°A	.65 60°A	.85 80°B	1.00 80°B
Nozzle Carlin EZ-1 ²	.60 70°A	.75 70°A	.85 70°A	1.00 60°SS	1.25 60°SS	.60 70°A	.75 70°A	.85 70°A	1.00 60°SS	1.25 60°SS
Flue Size (inches)	6	6	6	6	6	6	6	6	6	6
AFUE Seasonal Efficiency	85.9%	85.4%	85.0%	85.0%	84.2%	85.9%	85.4%	85.0%	85.0%	82.3%
Filter Size	(2) 16 x 20	(2) 16 x 20	(2) 16 x 20	(2) 16 x 20	(2) 16 x 20	16 x 25	16 x 25	16 x 25	16 x 25	16 x 25

Dimensions

Cabinet Height	A	40	40	40	46	46	53-5/8	53-5/8	53-5/8	56-1/2	56-1/2
Cabinet Width	B	20-1/4	20-1/4	20-1/4	25-1/8	25-1/8	22-1/4	22-1/4	22-1/4	25-1/2	25-1/2
Cabinet Depth	C	47-1/2	47-1/2	47-1/2	53-5/8	53-5/8	33-1/8	33-1/8	33-1/8	38	38
Centerline Flue to Floor	D	31-1/4	31-1/4	31-1/4	38-1/2	38-1/2	49-1/8	49-1/8	49-1/8	52-5/8	52-5/8
Centerline Flue to Side	E	10-1/8	10-1/8	10-1/8	12-1/2	12-1/2	11-1/8	11-1/8	11-1/8	12-3/4	12-3/4
Warm Air Supply Depth	G	17-1/2	17-1/2	17-1/2	21-1/2	21-1/2	19-3/4	19-3/4	19-3/4	23-3/8	23-3/8
Warm Air Supply Width	Ho	18-1/4	18-1/4	18-1/4	22-7/8	22-7/8	20-1/2	20-1/2	20-1/2	23-3/4	23-3/4
Return Air Supply Width	Hr	18-1/4	18-1/4	18-1/4	22-7/8	22-7/8	15	15	15	15	15
Return Air Supply Depth	J	14	14	14	13-5/8	13-5/8	23-5/8	23-5/8	23-5/8	23-5/8	23-5/8

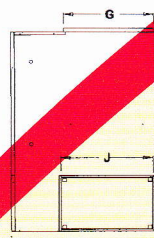
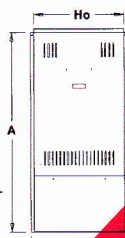


1. Specify front or rear flue on Low Boy models.
2. The pump pressure for the AFG and EZ-1 burner is set at 100 PSI.
3. The pump pressure for the 40 series burners is set at 150 PSI.



Low Boy Series

High Boy Series



Manufactured by

Boyertown Furnace Company

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