



# CHB Oil Furnace

## Centennial High Boy

- Heat exchanger
  - Heaviest in the industry
  - Interior baffling for maximum efficiency
  - Front flue for easy access and service
  - Dual front cleanout ports for easy service and maintenance
- Blower
  - Squirrel cage style, resilient mounted
  - Belt drive or multi-speed direct drive
  - Heavy-duty for continuous operation
  - Slide-out blower/motor assembly — easily removed for service
- Cabinet
  - Heavy-gauge with "Seal-Tite" construction
  - Foil-face insulation for "hand-cool" surface
  - Burner and controls completely enclosed
  - Easy-access door panels
- Combustion chamber
  - Slide-out for easy service
- Burner and controls
  - Factory-wired
  - Flame-retention burner
  - Simple "plug-in" burner connection
  - PSC motor
  - Solid state igniter

- 84,000 to 245,000 Btuh Input  
0.60 to 1.75 GPH #2 Fuel oil
- AFUE's 82.5% to 85.9%
- Direct or Belt Drive



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## RATINGS

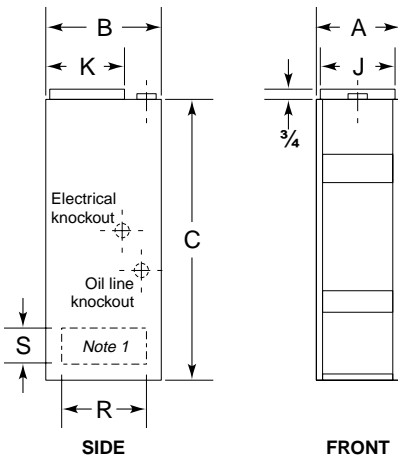


Model	Input	Output	Firing rate	Installed nozzle	AFUE	Blower size	Blower motor hp	Blower pulley	Motor pulley	Belt size	Maximum cooling capacity	Ship wt.	Blower CFM	
	(Btuh)	(Btuh)	(GPH)								(tons)	(pounds)	@ 0.25" WC	@ 0.50" WC
Direct-drive units														
CHB-105	85,000	75,000	0.60		85.9	100-10T	½	-	-	-	4	300	1600	1350
	105,000	91,500	0.75	✓	85.4	100-10T	½	-	-	-	4	300	1600	1350
	120,000	105,000	0.85		85.0	100-10T	½	-	-	-	4	300	1600	1350
CHB-140	140,000	120,000	1.00	✓	85.0	120-12T	¾	-	-	-	5	410	2000	1750
	175,000	148,500	1.25		84.2	120-12T	¾	-	-	-	5	410	2000	1750
Belt-drive units														
CHB-105	85,000	75,000	0.60		85.9	10-T	⅓	6 x ¾	3¼ x ½	40	2½	300	1200	900
	105,000	91,500	0.75	✓	85.4	10-T	⅓	6 x ¾	3¼ x ½	40	2½	300	1200	900
	120,000	105,000	0.85		85.0	10-T	⅓	6 x ¾	3¼ x ½	40	2½	300	1200	900
CHB-140	140,000	120,000	1.00	✓	85.0	12-T	½	7 x ¾	3¼ x ½	44	4	410	1600	1200
	175,000	148,500	1.25		84.2	12-T	½	7 x ¾	3¼ x ½	44	4	410	1600	1200
CHB-210	210,000	176,500	1.50	✓	83.8	15-T	¾	10 x ¾	3¼ x ⅝	51	7½	570	3800	3000
CHB-245	245,000	204,500	1.75	✓	82.5	15-T	¾	10 x ¾	3¼ x ⅝	51	7½	570	3800	3000

**NOTICE:** CHB furnaces require external filter rack and filters supplied by installer. Filter sizes required are: CHB-105 — (2) 12" x 24"; CHB-140 — (2) 12" x 25"; CHB-210/245 — (2) 15 x 30 ⅝"

## DIMENSIONS

ALL DIMENSIONS IN INCHES



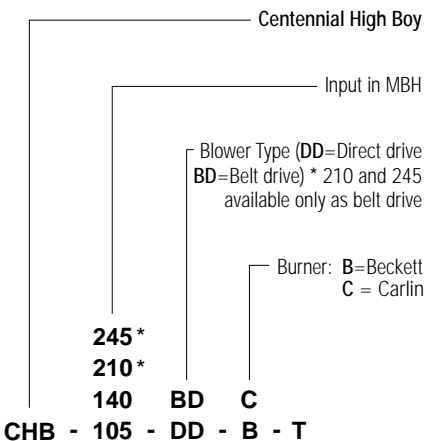
Note 1 — Attach an external filter rack (by installer) after cutting opening in side for return air duct connection. Either side can be used.

Model	Furnace casing			Warm air supply (top)		Return air (side)		Flue pipe diam.
	Width A	Depth B	Height C	Width J	Depth K	Width R	Depth S	
CHB-105	22 ½	34	52	21	19 ⅝	23 ½	12 ½	6
CHB-140	25 ½	38	56 ½	24	23 ⅝	22 ¼	15	6
CHB-210	33	34	79	28 ¾	28 ¾	29	19	8
CHB-245	33	34	79	28 ¾	28 ¾	29	19	8

## EQUIPMENT

- Factory-assembled
- Fully-enclosed burner and controls
- 10-gauge primary heat exchanger
- Rugged 20-gauge cabinet with powder coat finish
- Large, easily-accessible heat exchanger cleanouts
- Barometric damper
- Belt-drive or multi-speed direct-drive blower
- Honeywell controls standard
- Air conditioning fan center standard on direct-drive models
- Integral leveling base standard on most models
- Made in the USA
- External filter rack required (by installer)

## ORDER CODE



### Heat Exchanger

- The heat exchanger is made of heavy hot-rolled steel for durability, sturdiness and quiet operation
- Tested to assure leak tight construction
- Designed for efficiency, long life and dependable service
- Outer surfaces streamlined to provide smooth, friction-free passage of air over heated surfaces
- Extra heating surface provided by wrap-around radiator. More heat goes into the home . . . less up the chimney.

### Oil Burner

- Pressure-atomizing type with flame retention head
- Quiet and efficient
- Designed for economical performance
- Slide-out combustion chamber for easy service
- PSC motor
- Solid state igniter

## WARRANTY

- Limited lifetime warranty on heat exchanger
- 5-year limited warranty on parts
- Optional 5- or 10-year parts and labor warranty



**Thermoflo**

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