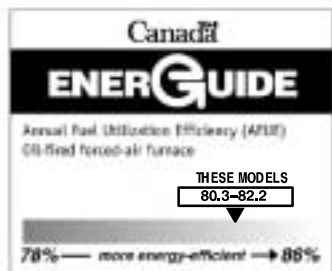


27-11-27

Representative only, some models may vary in appearance.



### HI-BOY UPFLOW

#### FEATURES

- **Fan Control Switch** - for continuous speed.
- **Accessory terminals** - prewired for easy add-on electronic air cleaner and power humidifier. Air conditioning ready for easy add-on.
- **Large external front clean out** - for easy cleaning.
- **Clean out** - sealed from blower compartment (no soot to spread).
- **Easy Access** - control panel.
- **Sight Glass/View Port**
- **Test Ports** - factory install to provide efficient access for set-up and service.
- **"Easy Access" heat exchanger** - manufactured from heavy gauge steel.
- **Multi-Speed Direct Drive Motors** - permanently lubricated for long life performance.
- **Heavy-duty insulated cabinet** - for quiet operation.
- **Approved for 1" clearance to combustibles** - for tight installations.
- **Ceramic combustion chamber** - withstands temperature of 2600° F with unique "self aligning" design.
- **Precision balanced blower** - ensures quiet, efficient air distribution.
- **Raised cabinet base** - allows air to circulate under the cabinet. Eliminates dampness.
- **Approved** - For chimney installation ONLY.
- **Efficient** - Up to 82.2% AFUE.
- **Warranty** - Limited lifetime on heat exchanger, five(5) years on burner and most other parts.
- **Shipped complete** - Vestibule, barometric damper, burners and nozzles are installed.

## FURNACE SPECIFICATIONS

Model: OUF	NOUF105A12			
Rating and Performance				
Firing Rate	.50	.63	.75	.72
Pump Pressure (PSIG)	100	156	156	145
Input (BTUh)	70,000	88,200	105,000	100,800
Heating capacity, chimney installation (BTUh)	58,900	73,500	86,100	NA
Minimum - maximum Temperature Rise	52 - 75° F			
Stack draft, (Chimney), (Side-wall)	(-0.035 to -0.06) (0.04 to 0.15)			
Beckett Burner, Chimney Installation	AFG-F0			
Low firing rate baffle	Yes	Yes	No	NA
Static disc. model	2 <sup>3</sup> / <sub>4</sub> #3383			NA
Nozzle (Delavan)	0.50-70A		0.60-70B	NA
Combustion air adjustment (shutter/band)	4.5/0	8/0	7.5/0	NA
Electrical System				
Volts - Hertz - Phase	115-60-1			
Operating voltage range	104 - 132			
Rated voltage Amp	15.4			
Minimum ampacity for wiring sizing	17.7			
Max. fuse size (Amps.)	20			
Control transformer	40 Va			
Ext. control power available, cooling and accessories	30 Va			
Blower Data				
Blower speed @ 0.5" WC static pressure	Low	Low	Med-Hi	Med-Hi
Blower speed @ 0.25" WC static pressure	Low	Low	Med-Lo	Med-Lo
Maximum cooling, speed	Low	Med-Lo	Med-Hi	High
Maximum cooling, tons @ 0.5" WC	2	2.5	2.5	3
Motor (HP) / number of speeds	1 <sup>1</sup> / <sub>2</sub> HP / 4 speeds			
Blower wheel size (in.)	10 x 10			
Filter quantity and size	(1) 20 x 20			
Weight (Lbs.)	200			

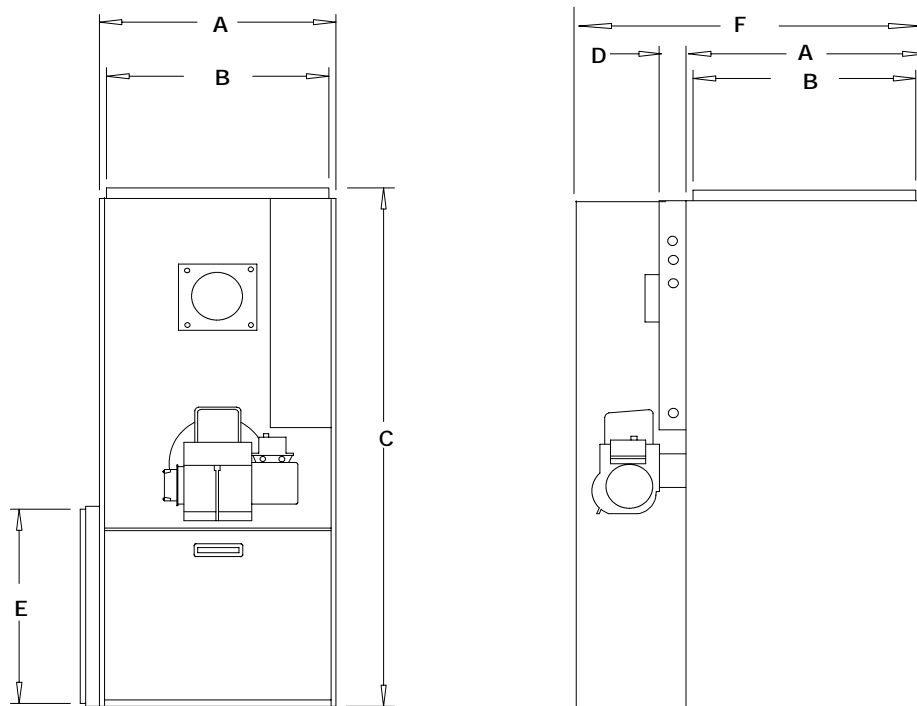
## BLOWER PERFORMANCE DATA (Air delivery - CFM with air filter)

Model No.	NOUF105A12	
	External Static Pressure with Air filter	
Drive (Blower/Motor)	GT10-10 1 <sup>1</sup> / <sub>2</sub> HP	
Speed	0.25	0.5
Low	960	920
Med-Lo	1100	1000
Med-Hi	1300	1150
High	1550	1350

## NEW MODEL NUMBER IDENTIFICATION GUIDE

<b>MODEL NUMBER</b> blank = Burners & Accessories ordered separately N = Complete furnace w/burners + vestibule		<b>N</b>	<b>O</b>	<b>U</b>	<b>F</b>	<b>105</b>	<b>A</b>	<b>12</b>	<b>B</b>
<b>FUEL</b> O = Oil									<b>REVISION</b> <b>REVISION</b>
<b>PRODUCT GROUP</b> U = Upflow H = Horizontal T = Upflow/Horizontal L = Lowboy									<b>AIR FLOW</b> 08 = 800 CFM 12 = 1200 CFM 18 = 1800 CFM 20 = 2000 CFM
<b>SERIES</b> F = Front Breech R = Rear Breech									<b>SUPPLY PLENUM SIZE</b> A = 20 x 20 B = 24 x 24
									<b>INPUT, MBTUH</b>

## DIMENSIONS



Representative only, some models may vary in appearance.

ALL DIMENSIONS IN INCHES

27-11-20

Furnace Dimensions for NOUF								
Model No.	A	B	C	D	E		F	Flue
					Depth	Height		
105A12	21	19 <sup>3</sup> / <sub>4</sub>	48	2.4	18.9	18.9	33 <sup>1</sup> / <sub>2</sub>	5

Vestibule Width	
Model No.	
105A12	21 <sup>1</sup> / <sub>2</sub>

Minimum Installation Clearances from Combustible Materials		
		NOUF105
Sides	Furnace	1"
	Supply plenum, warm air duct within 6' of furnace	1"
Back	Furnace	1"
Top	Furnace casing or plenum	1"
Bottom	Furnace - combustible floor	0"
Front	Furnace	24"

**ACCESSORIES**

Product Model No.	Burners	Nozzle (not supplied)	Coil Adapter	External Filter Rack	Accessories (installed)
NOUF105A12	N01J040 (Beckett-chimney)	(0.50 - 70A) - N03F015	OCA20	B30083	HBVEST1 Vestibule Kit
		0.60-70B - N03H014			

**ADDITIONAL ACCESSORIES**

Accessories Model No	Description	Use With
Q034	Mounting Bracket Kit for Filters	ALL Models
Q035	Mounting Mounting Restriction Gauge	ALL Models
Z08F001	7 Micron Media Filter and Head	ALL Models
Z08F004	7 Micron Media Filter Replacement	ALL Models

**ACCESSORY DESCRIPTION**

Accessories Model No	Description
N01J040	Beckett AFG-F0 Oil Burner for 5" Breech Models
N01J039	Beckett AFG-F6 Oil Burner for 6" Breech Models
HBVEST1	Vestibule Kit for 5" Breech Hi Boy Models
HBVEST2	Vestibule Kit for 6" Breech Hi Boy Models
OCA20	Cased Coil Adapter 20" x 20"
OCA24	Cased Coil Adapter 20" x 24"
N03F015	Nozzle, Oil Burner, Delavan, 0.5 GPH/70° A
N03F024	Nozzle, Oil Burner, Delavan, 0.75 GPH/70° B
N03H001	Nozzle, Oil Burner, Delavan, 1.0 GPH/70° B
N03H014	Nozzle, Oil Burner, Delavan, 0.6 GPH/70° B
B30083	External Filter Rack
B30656	External Filter Rack

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE