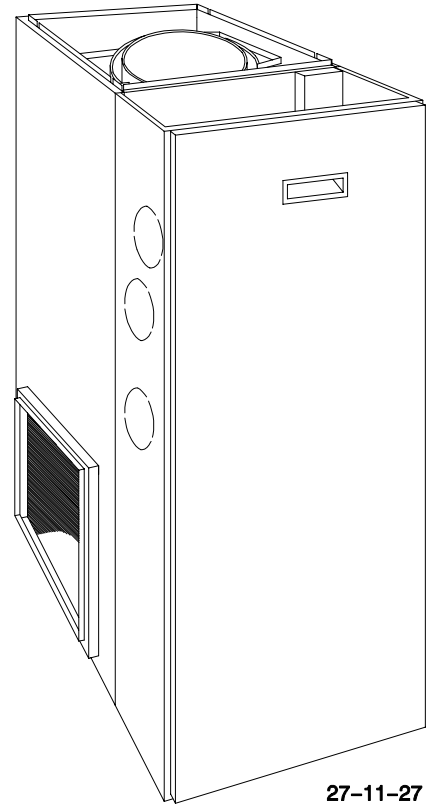


Standard Equipment

- **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.
- **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 Direct Vent application.
- **Efficient** - Up to 81% AFUE.
- **Warranty** - Limited lifetime on heat exchanger, three(3) years on burner and one(1) year on other parts.
- **Shipped complete** - Vestibule, burners and nozzles are installed



Representative only, some models may vary in appearance.



Indicates change since last printing.



9800161
CERTIFE/CERTIFIED TO
CAN/CSA B140.4



9800161
CONFORM TO
UL Std. 727

FURNACE SPECIFICATIONS

Model: OUF	NOUF105A12A				NOUF160B18A		
Rating and Performance							
Firing Rate	.50	.63	.75	.72	.85	.97	1.14
Pump Pressure (PSIG)	100	156	156	145	130	130	130
Input (BTUh)	70,000	88,200	105,000	100,800	119,000	135,800	159,600
Heating capacity, chimney installation (BTUh)	58,900	73,500	86,100	NA	98,000	110,000	127,000
Heating capacity, side-wall installation (BTUh)	59,800	74,600	87,800	83,900	97,000	110,000	127,000
Minimum - maximum Temperature Rise	52 - 75° F				50-80° F		
Stack draft, (Chimney), (Side-wall)	(-0.035 to -0.06) (0.04 to 0.15)				(-0.035 to -0.06) (0.04 to 0.25)		
Beckett Burner, Chimney Installation							
	AFG-F0				AFG-F3		
Low firing rate baffle	Yes	Yes	No	NA	No	No	No
Static disc. model	2 ³ / ₄ #3383			NA	2 ³ / ₄ #3383		
Nozzle (Delavan)	0.50-70A		0.60-70B	NA	0.75-70B	0.85-70B	1.00-70B
Combustion air adjustment (shutter/band)	4.5/0	8/0	7.5/0	NA	5/0	6.5/0	10/0
Electrical System							
Volts - Hertz - Phase	115-60-1				115-60-1		
Operating voltage range	104 - 132				104 - 132		
Rated voltage Amp	15.4				16.9		
Minimum ampacity for wiring sizing	17.7				19.5		
Max. fuse size (Amps.)	20				20		
Control transformer	40 Va				40 Va		
Ext. control power available, cooling and accessories	30 Va				30 Va		
Blower Data							
Blower speed @ 0.5" WC static pressure	Low	Low	Med-Hi	Med-Hi	Med-Lo	Med-Hi	High
Blower speed @ 0.25" WC static pressure	Low	Low	Med-Lo	Med-Lo	Med-Lo	Med-Lo	Med-Hi
Maximum cooling, speed	Low	Med-Lo	Med-Hi	High	Med-Lo	Med-Hi	High
Maximum cooling, tons @ 0.5" WC	2	2.5	2.5	3	3.5	4	5
Motor (HP) / number of speeds	1/2 HP / 4 speeds				0.85 HP / 4 speeds		
Blower wheel size (in.)	10 x 10				12 x 10		
Filter quantity and size	(1) 20 x 20				(1) 24 x 24		
Weight (Lbs.)	200				248		

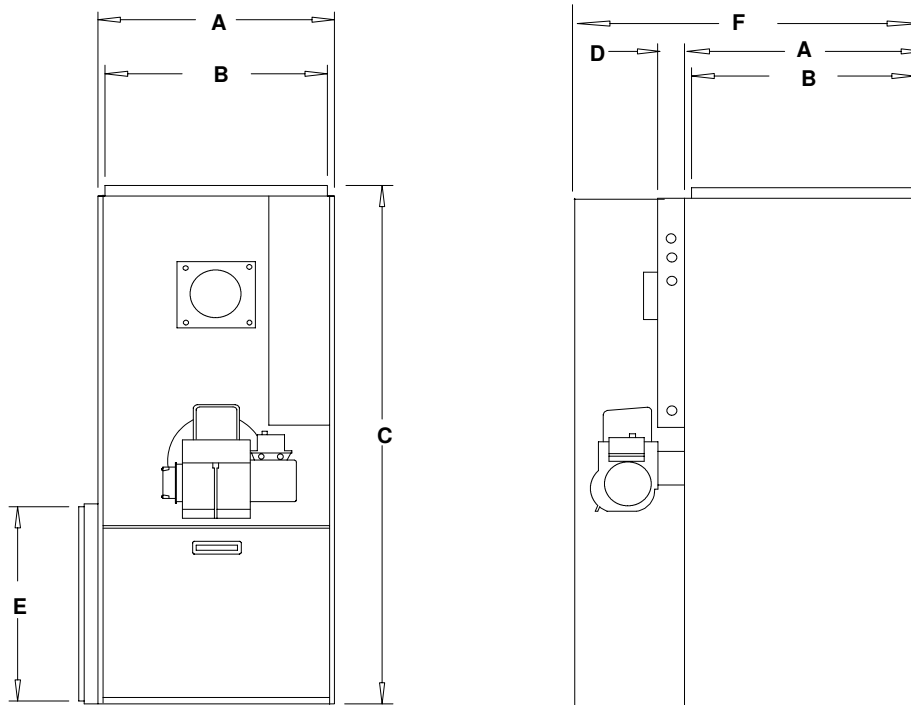
BLOWER PERFORMANCE DATA (Air delivery - CFM with air filter)

Model No.	NOUF105A12A		NOUF160B18A	
	External Static Pressure with Air filter		External Static Pressure with Air filter	
Drive (Blower/Motor)	GT10-10 1/2 HP		GT12-10 .85 HP	
Speed	0.25	0.5	0.25	0.5
Low	960	920	1080	990
Med-Lo	1100	1000	1350	1310
Med-Hi	1300	1150	1650	1510
High	1550	1350	2060	1825

NEW MODEL NUMBER IDENTIFICATION GUIDE

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

DIMENSIONS



Representative only, some models may vary in appearance.

ALL DIMENSIONS IN INCHES

27-11-20

Furnace Dimensions for NOUR								
Model No.	A	B	C	D	E		F	Flue
					Depth	Height		
105A12A	21	19 ³ / ₄	48	2.4	18.9	18.9	33	5
160B18A	25	23 ³ / ₄	58 ¹ / ₄	2.4	22	22	37	6

Vestibule Width	
Model No.	
105A12A	21 ¹ / ₂
160A12A	25 ¹ / ₂

Minimum Installation Clearances from Combustible Materials			
		NOUF105	NOUF160
Sides	Furnace	1"	1"
	Supply plenum, warm air duct within 6' of furnace	1"	1"
Back	Furnace	1"	18"
Top	Furnace casing or plenum	1"	2"
Bottom	Furnace - combustible floor	0"	0"
Front	Furnace	24"	24"

ACCESSORIES

Product Model No.	Burners	Nozzle (not supplied)	Coil Adapter	Accessories (installed)
NOUF105A12A	N01J040 (Beckett-chimney)	(0.50 - 70A) - K162	OCA20	HBVEST1 Vestibule Kit
		0.60-70B - K234		
NOUF160B18A	N01J039 (Beckett-chimney)	(0.75 - 70B) - K213	OCA24	HBVEST2 Vestibule Kit
		1.00-70B - K216		

ACCESSORY DESCRIPTION

Accessories Model No	Description
N01J040	Beckett AFG-F0 Oil Burner for 5" Breech Models
N01J039	Beckett AFG-F3 Oil Burner for 6" Breech Models
HBVEST1	Vestibule Kit for 5" Breech High Boy Models
HBVEST2	Vestibule Kit for 6" Breech High Boy Models
K162	Nozzle, Oil Burner, Delavan, 0.5 GPH/70° A
K213	Nozzle, Oil Burner, Delavan, 0.75 GPH/70° B
K216	Nozzle, Oil Burner, Delavan, 1.0 GPH/70° B
K234	Nozzle, Oil Burner, Delavan, 0.6 GPH/70° B
OCA20	Cased coil adapter, 20" x 20"
OCA24	Cased coil adapter, 24" x 24"