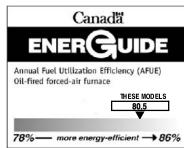


NOMF Product Specifications



Illustrations and photographs are only representative. Some product models may vary.





MULTI-POSITION OIL FURNACE

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 installed 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 2" clearance to combustibles for tight installations
- Stainless steel primary heat exchanger
- 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 80.5% AFUE
- Front Flue (Breech)
- 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
- Filters & filter rack Included

		MULTI-POSITION OIL FURNA	ACE	
Model Number	Heat Exchangers *	Dimensions H x W x D (in.)	Input (BTU/h)	Cooling capacity @ .5 in wc
NOMF105D12	Lifetime	48 ³ / ₄ x 20 x 35	70,000 - 105,000	2 - 3 TON
NOMF155E19	Lifetime	53 x 20 x 39 ¹ / ₂	119,000 - 154,000	3 - 5 TON

^{*} Lifetime Limited Warranty

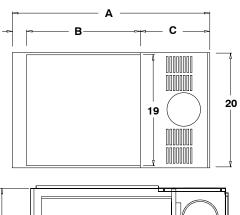
FURNACE SPECIFICATIONS								
Model:		NOMF105D12			NOMF155E19			
Rating and Performance								
Firing Rate	.50	.65	.75	.85	1.00	1.10		
Input (BTUh)	70,000	91,000	105,000	119,000	140,000	154,000		
Heating capacity (BTUh)	57,000	74,000	85,000	97,000	115,000	126,000		
AFUE %	80	80	80	80	80	80		
Temperature Rise Minimum - maximum	13	° - 29° C (55° - 85°	F)	13	° - 29° C (55° - 85°	F)		
Flue draft minimum (in wc)		-0.06" to -0.025"			-0.06" to -0.025"			
Pverfire pressure draft (in wc)	rar	nge +0.010" to +0.02	25"		max +0.025"			
Beckett Burner, Model AFG (3450 rpm)		AFG- F3		AFG	i- F3	AFG- F6		
Beckett Part # for Retention head F6						360006		
Low firing rate baffle		Yes		Yes Ye				
Static disc. model		3 ³ / ₈ " #31646		2 ³ / ₄ " #3383				
Nozzle (Delavan)	0.50 - 70W	0.55 - 70B	0.65 - 70B	0.75 - 70B	0.85 - 70B	0.85 - 70B		
Pump pressure (PSIG)	100	140	130	130	140	170		
Combustion air adjustment (band/shutter)	0/5	0/7	0/8	1/8	4 / 4	2/8		
Electrical System								
Volts - Hertz - Phase		115-60-1		115-60-1				
Operating voltage range		104 - 132		104 - 132				
Rated voltage Amp		12.2		15.7				
Minimum ampacity for wiring sizing		13.7			18.1			
Max. wire length (ft.)		26		26				
Max. fuse size (Amps.)		15			20			
Control transformer		40 VA			40 VA			
Ext. control power available, Heating Cooling		40 VA 30 VA			40 VA 30 VA			
Blower Data								
Motor (HP) / number of speeds		1/3 HP / 4 speeds		3/4 HP / 4 speeds				
Blower wheel size (in.)		10 x 10			12 x 10			
Filter quantity and size		(1) 16 x 24		(1) 18 x 30				
Weight (Lbs.)		100 Kg / 221 lbs			122 Kg / 270 lbs			

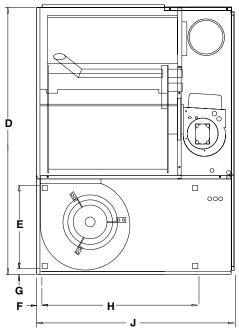
BLOWER PERFORMANCE DATA (Air delivery - CFM with air filter)

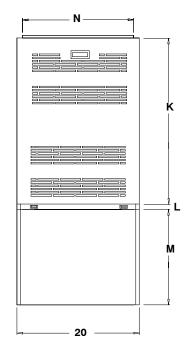
Model No.		NOMF10		NOMF155E19					
Widder No.		External Static Pressure with Air filter							
Speed	0.20"	0.30"	0.40"	0.50"	0.20"	0.30"	0.40"	0.50"	
High	1425	1350	1305	1250	2080	2041	1965	1864	
Med-Hi	1130	1045	1000	950	1892	1859	1770	1675	
Med-Lo	840	810	770	740	1556	1475	1394	1318	

NEW MODEL NUMBER IDENTIFICATION GUIDE

MODEL NUMBER	N O	М	F	105	D	12	#
							REVISION
FUEL						· '	AIR FLOW
O = Oil							12 = 1200 CFM
PRODUCT GROUP		,					19 = 1900 CFM
U = Upflow	D = Downflow					SUF	PPLY PLENUM SIZE
H = Horizontal	C = Downflow/Horizontal					A =	20 x 20 E = 19 x 24
T= Upflow/Horizontal	M = Multiposition					B =	24 x 24 F = 20 x 24
L= Lowboy						C =	$21^{1}/_{8} \times 21^{1}/_{2} \text{ G} = 22 \times 30$
SERIES			,			D =	19 x 20
F = Front Breech	R = Rear Breech						INPUT, MBTUH







27-11-36c

Representative only, some models may vary in appearance. ALL DIMENSIONS IN INCHES (1 INCH = 25.4 MM)

					Furnace	Dimens	ions for	NOMF						
Model No.	Α	В	С	D	E	F	G	Н	J	K	L	М	N	Flue
105D12	35	19 ⁷ / ₈	12	48 ³ / ₄	14	1 ³ / ₄	1 ⁵ / ₈	22	35	31 ¹ / ₄	1	16 ⁵ / ₈	18 ⁵ / ₈	5
155E19	39 ¹ / ₂	24	12 ¹ / ₂	53	16	1 ¹ / ₂	1 ⁵ / ₈	28	39 ¹ / ₂	33 ¹ / ₄	1	18 ³ / ₄	19	6

	Minimum Installation Clearances from Combustible Materials							
	Models		NOMF105		NOMF155			
Location	Application	Upflow	Downflow	Horizontal	Upflow	Downflow	Horizontal	
0:4	Furnace	0	2" (50.8mm)	2" (50.8mm)	1" (25.4mm)	2" (50.8mm)	2" (50.8mm)	
Sides	Supply plenum within 6' of furnace	1" (25.4mm)	2" (50.8mm)	1" (25.4mm)	1" (25.4mm)	2" (50.8mm)	1" (25.4mm)	
Back	Furnace	0	1" (25.4mm)	0	0	1" (25.4mm)	0	
т	Furnace or plenum	2" (50.8mm)	2" (50.8mm)	2" (50.8mm)	2" (50.8mm)	2" (50.8mm)	2" (50.8mm)	
Тор	Horiaontal warm air duct within 6' of furnace	2" (50.8mm)	2" (50.8mm)	3" (76.2mm)	2" (50.8mm)	2" (50.8mm)	3" (76.2mm)	
Bottom	Furnace - combustible floor with the subbase	0	0*	0*	0	0*	0*	
Chia Dias	Horizontally or below Flue Pipe	4" (101.6mm)	4" (101.6mm)	4" (101.6mm)	4" (101.6mm)	4" (101.6mm)	4" (101.6mm)	
Flue Pipe	Vertically above Flue Pipe	9" (228.6mm)	9" (228.6mm)	9" (228.6mm)	9" (228.6mm)	9" (228.6mm)	9" (228.6mm)	
Front	Furnace	8" (203.2mm)	8" (203.2mm)	24" (609.6mm)	8" (203.2mm)	8" (203.2mm)	24" (609.6mm)	
	* If use	ed with sub-base	DFB-101 or HFB	-101 respectively	•	•	•	

ACCESSORIE				
Product Model No.	Burners	Horizontal Flow Base	Downflow Subbase	Downflow Flue Pipe Guard
NOMF105D12	Beckett AFGF3 Shipped with Nozzle 0.65-70B	HFB101	DFB101	FPG101
NOMF155E19	Beckett AFG F3* Shipped with Nozzle .75-70B	111 0101	DI B101	FPG102

^{*}For larger input, F6 burner head will be required

Accessories Model No	Description
HFB101	Horizontal Flow Base for NOMF Furnace
DFB101	Downflow Subbase for NOMF Furnace
FPG101	Flue Pipe Guard for Downflow (NOMF105 Furnace)
FPG102	Flue Pipe Guard for Downflow (NOMF155 Furnace)
N03G006	Nozzle, Oil Burner, Delavan, 0.50 GPH/70° Type W (NOMF105 Furnace)
N03H027	Nozzle, Oil Burner, Delavan, 0.55 GPH/70° Type B (NOMF105 Furnace)
N03H012	Nozzle, Oil Burner, Delavan, 0.65 GPH/70° Type B (NOMF105 Furnace)
N03H013	Nozzle, Oil Burner, Delavan, 0.75 GPH/70° Type B (NOMF155 Furnace)
N03H008	Nozzle, Oil Burner, Delavan, .85 GPH/70° Type B (NOMF155 Furnace)
N03H008	Nozzle, Oil Burner, Delavan, .85 GPH/70° Type B (NOMF155 Furnace with F6 burner head)