

- **Variable Speed ECM Blower** provides consistent airflow up to 1" inWC
- **2-Stage Heating** with adaptive staging option
- **Supports 2-stage Cooling**
- **AFUE Ratings—96% (NG/LP)**
- **Dual Fuel Compatible**
- **4-way Multi-position:** upflow, downflow, horizontal left and horizontal right
- **Zero Clearance** in all positions, approved for closets and alcoves
- **Modular heat exchanger and blower for easy service**
- **T140 Aluminized Wrinkle Bent Primary Heat Exchanger Tubes**
- **29-4C Stainless Steel Heat Recovery Coil**
- **Self Diagnostic Integrated Furnace Control** with fault codes for simple trouble-shooting.
- **Concentric Venting Approved**
- **Propane Conversion Kit** (Purchased separately)
- **High Altitude Certified:** 5400ft* w/o conversion, up to 10,000ft (with conversion)
- **Flexible Condensate Trap Mounting** for easy service
- **Sealed Vestibule and Blower Compartments** provides quiet operation
- **IAQ Compatibility** – Supports EAC, HUM, and UV light

*LP Conversion required above 2000ft



SPECIFICATIONS

		NDF600-050--B	NDF600-070--B	NDF600-070--C	NDF600-090--C	NDF600-105--C
Applications		Residential, Light Commercial				
Installation Orientation		Upflow / Horizontal Right / Horizontal Left / Downflow				
Venting Type		Forced Draft Direct Vent / Non-Direct Vent				
Maximum Vent Length	2 in	75 ft				
	3 in	100 ft				
Ignition		Hot Surface Igniter				
Natural Gas Supply Pressure		5.0 - 10.5 in WC				
Propane Gas Supply Pressure		11.0 – 13.0 in WC				
Natural Gas Manifold Pressure (High / Low)		3.5 / 1.4 in WC				
Propane Gas Manifold Pressure (High / Low)		10.0 / 5.0 in WC				
Gas Connection Size		½ in NPT				
Condensate Drain Size		.84 in (Sized for 1/2" Sched. 40 Tee Fitting)				
Materials	Primary Heat Exchanger	T140 Aluminized Steel				
	Condensing Heat Exchanger	29-4C Stainless Steel				
Venting	Exhaust	1 ½ - 3 in	2 - 3 in			
	Intake					
	Materials	PVC, CPVC, PVC-DWV*				
Clearance to Combustibles		0 in**				
Electrical Data	Volts / Hz / Phase	120 / 60 / 1				
	Max Breaker or Fuse	15 amp				
	Wire Size	14 awg				
Unit Dimensions	H x W x D in (mm)	34 x 17.5 x 29.5 (864 x 445 x 749)	34 x 17.5 x 29.5 (864 x 445 x 749)	34 x 22.5 x 29.5 (864 x 572 x 749)	34 x 22.5 x 29.5 (864 x 572 x 749)	34 x 22.5 x 29.5 (864 x 572 x 749)
Unit Weight	lb (kg)	128 (58.1)	138 (62.6)	156 (70.8)	164 (74.4)	168 (76.2)
Shipping Weight	lb (kg)	Data Pending				
Shipping Dimensions	H x W x D in (mm)	35 x 20 x 33 (889 x 508 x 838)	35 x 20 x 33 (889 x 508 x 838)	35 x 25 x 33 (889 x 635 x 838)	35 x 25 x 33 (889 x 635 x 838)	35 x 25 x 33 (889 x 635 x 838)

*See Installation Manual for regional venting material requirements.

**Applicable for all sides except top plenum

HEATING CAPACITY AND EFFICIENCY

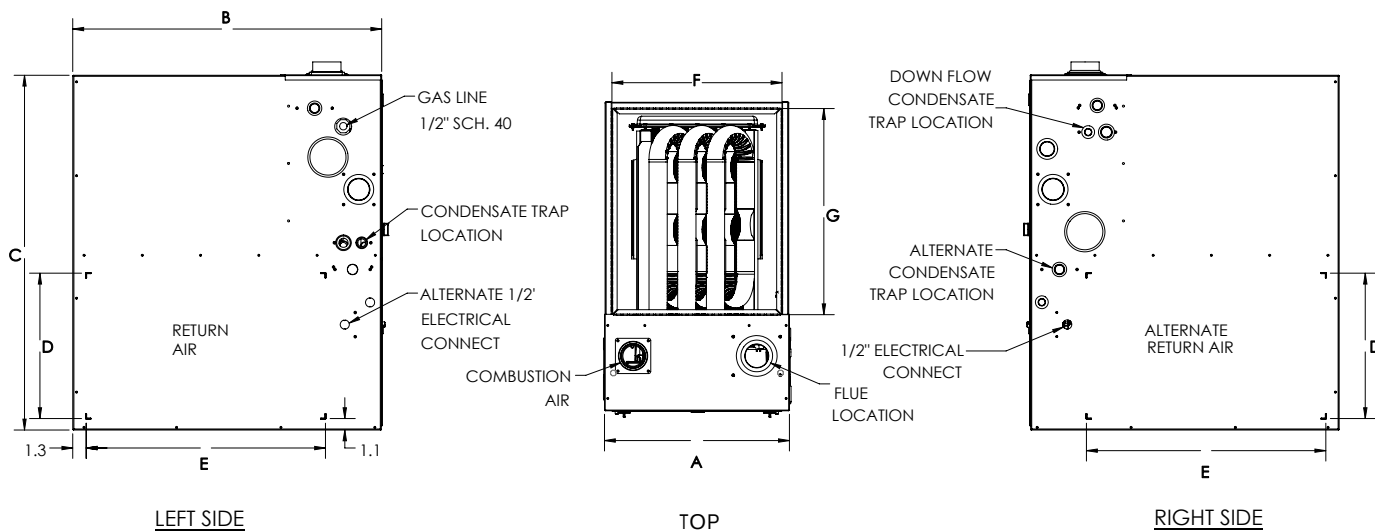
		NDF600-050--B	NDF600-070--B	NDF600-070--C	NDF600-090--C	NDF600-105--C
Input [BTU/h]	Max Heat	53,000	70,000	70,000	88,000	105,000
	Min Heat	36,000	49,000	49,000	60,000	73,000
Output [BTU/h]	Max Heat	50,000	67,000	67,000	84,000	101,000
	Min Heat	34,000	47,000	47,000	57,000	70,000
AFUE		96%				
Certified Temperature Rise Range [°F (°C)]	High Fire	40–70 (22-39)				
	Low Fire	35-65 (19-36)				
Burner Control		2-Stage				

BLOWER DATA

		NDF600-050--B	NDF600-070--B	NDF600-070--C	NDF600-090--C	NDF600-105--C
External Static Pressure (inWC)	Heating	0.12 - 0.5	0.15 - 0.5		0.2 - 0.5	
	Cooling	0.1 - 1.0*				
Nominal Cooling Airflow (TON)	@400CFM	1.5 - 3	1.5 - 3	1.5 - 4	2 - 5	2 - 5
	@350CFM	1.5 - 3.5	1.5 - 3.5	1.5 - 4.5	2-5.5	2-5.5
Circulator Blower	Horsepower	1/2	1/2	3/4	1	1
	Motor Speed & Type	Variable Speed ECM				

*Cooling airflow certified up to 0.5", see installation manual for additional information regarding airflow.

DIMENSIONS



Input (K/Btu/hr)	Width (A)	Depth (B)	Height (C)	Supply Air (F X G)	Return Air (D X E)
50	17 ½" (445 mm)	29 ½" (749 mm)	34" (864 mm)	16 ¼" X 19 ⅝" (413 mm X 499 mm)	14" X 23" (356 mm X 584 mm)
70-3					
70-4	22 ½" (572 mm)			21 ¼" X 19 ⅝" (540 mm X 499 mm)	
90					
105					