Goodman®
Air Conditioning & Heating

GMNTE SERIES
92.6% AFUE

2-Stage, Variable-Speed Multi-Position Condensing Gas Furnace

The GMNTE multi-position gas furnace with 2-stage heating features a variable-speed, quiet-operating, sound-isolated blower motor and may be installed in a utility room, closet, alcove, basement or attic.

Standard Features
- True 2-stage operation with 2-speed combustion blower, 2-stage redundant gas valve and regulator and brushless variable-speed indoor blower motor
- Brushless variable-speed indoor blower motor designed to provide constant low CFM over a wide range of duct work static pressure for efficient Fan Only operation for quiet soft start and stop operation
- Direct vent (2-pipe) or non-direct vent (1-pipe) installations
- Provisions for humidity control with field-supplied humidistat
- Quiet-operating, sound-isolated blower assembly
- 40VA transformer for heating and air conditioning control service
- Vertical or horizontal venting with 3" PVC
- Integrated furnace control with fuse and diagnostics
- Blower door safety switch
- Energy-saving Hot Surface Ignition system
- Multiple flame roll-out switches
- Outlet air limit switch
- Pressure switch for proof of air
- Completely assembled, factory run-tested furnace for heating or combination heating/cooling applications
- Capable of multi-position installation—upflow, downflow or horizontal
- Corrosion-resistant 29-4C secondary heat exchanger that extracts energy from the gas and converts it to usable heat
- Quiet, corrosion-resistant plastic 2-speed combustion blower assembly
- All model design certified by ITS to be in compliance with ANSI Z21.47 and CAN/CGA 2.3 (Canada) safety standards
- Complies with California NOX Standards

Cabinet Construction
- Heavy-gauge, reinforced, wrap-around insulated steel cabinet with durable baked-enamel finish
- Tubular heat exchanger (primary)
- Bottom or side air inlet
- Aluminized-steel inshot burners
- Convenient left- or right-hand connection for gas, electric service, combustion air and vent
- Removable solid bottom block-off
- Completely insulated cabinet

Optional Equipment
- L.P. Conversion Kit (LPM-03)
- Drain kit contains vent screens, drain trap, hoses and clamps

Performance Ratings

Model	AFUE	Natural Gas Input		Natural Gas Output		LP Gas Input		LP Gas Output		Temperature Rise Range
		High	Low	High	Low	High	Low	High	Low	
GMNTE060-3	92.6	60,000	42,000	55,000	38,500	55,000	42,000	50,000	38,500	35 - 65
GMNTE080-4	92.6	80,000	56,000	73,500	51,500	73,500	56,000	67,500	51,500	35 - 65
GMNTE100-4	92.6	100,000	70,000	91,500	64,000	92,000	70,000	84,000	64,000	40 - 70
GMNTE120-5	92.6	120,000	84,000	110,500	77,500	110,400	84,000	101,500	77,500	40 - 70

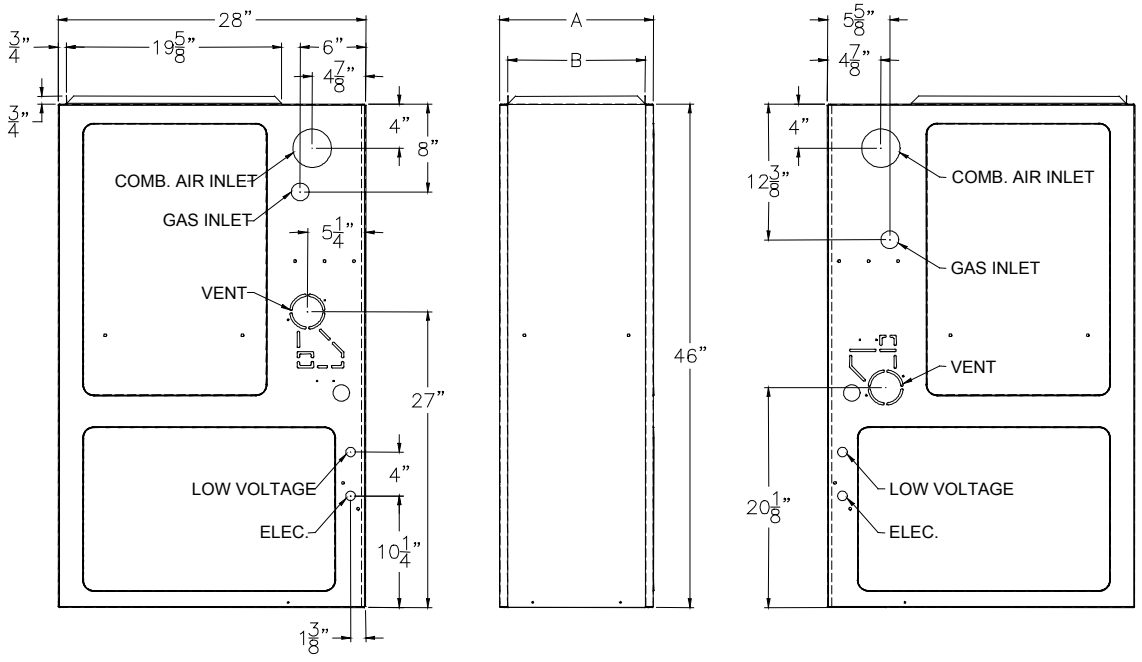
Specification Data

Electrical characteristics 115/1/60; gas service connection ½" FPT

Model	Motor HP	Blower		Vent* Diameter	Combustion* Air	Filter Size In² Perm./Disp.	Electrical		Shipping Weight (pounds)
		Diameter	Width				FLA	Max. Fuse	
GMNTE060-3	1/2	10	6	3"	3"	290/580	11.4	15	180
GMNTE080-4	3/4	10	8	3"	3"	385/770	13.8	15	205
GMNTE100-4	1	10	10	3"	3"	385/770	14.9	15	225
GMNTE120-5	1	11	10	3"	3"	480/960	14.9	15	265

*Note: Vent and combustion air diameters may vary depending upon vent length. Refer to furnace installation instructions.

Dimensions



Model	A	B	Combustible Floor Base
GMNTE060-3	14"	12½"	SBT14
GMNTE080-4	17½"	16"	SBT17
GMNTE100-4	21"	19½"	SBT21
GMNTE120-5	24½"	23"	SBT24

Clearances from Combustible Materials

Sides	Rear	Front*	Vent	Top
1"	0"	3"	0"	1"

Approved for line contact in the horizontal position.
*36" clearance for serviceability recommended.

Blower Performance Specifications

GMNTE060-3

BLOWER SPEED TAP		HEATING				COOLING / HP		
		Low Stage		High Stage		Tons of AC	CFM	
		CFM	Temp Rise	CFM	Temp Rise		Low Stage	High Stage
A	-	558	64	804	64	---	351	540
	Norm	620	58	893	58	1.5	390	600
	+	682	53	982	53	---	429	660
B	-	639	56	920	56	---	468	720
	Norm	710	51	1022	51	2.0	520	800
	+	781	46	1125	46	---	572	880
C	-	720	50	1,037	50	---	585	900
	Norm	800	45	1,152	45	2.5	650	1,000
	+	880	41	1,267	41	---	715	1,100
D	-	801	45	1,153	45	---	702	1,080
	Norm	890	40	1,282	40	3.0	780	1,200
	+	979	37	1,410	37	---	858	1,320

GMNTE080-4

BLOWER SPEED TAP		HEATING				COOLING / HP		
		Low Stage		High Stage		Tons of AC	CFM	
		CFM	Temp Rise	CFM	Temp Rise		Low Stage	High Stage
A	-	765	63	1,102	63	---	351	540
	Norm	850	56	1,224	56	1.5	390	600
	+	935	51	1,346	51	---	429	660
B	-	855	56	1,231	56	---	468	720
	Norm	950	50	1,368	50	2.0	520	800
	+	1,045	46	1,505	46	---	572	880
C	-	945	51	1,361	51	2.5	644	990
	Norm	1,050	46	1,512	46	---	715	1,100
	+	1,155	41	1,663	41	3.0	787	1,210
D	-	1,035	46	1,490	46	---	836	1,286
	Norm	1,150	42	1,656	42	3.5	929	1,429
	+	1,265	38	1,822	38	4.0	1,022	1,572

GMNTE100-4

BLOWER SPEED TAP		HEATING				COOLING / HP		
		Low Stage		High Stage		Tons of AC	CFM	
		CFM	Temp Rise	CFM	Temp Rise		Low Stage	High Stage
A	-	878	68	1,264	68	---	351	540
	Norm	975	61	1,404	61	1.5	390	600
	+	1,073	56	1,544	56	---	429	660
B	-	945	63	1,361	63	---	468	720
	Norm	1,050	57	1,512	57	2.0	520	800
	+	1,155	52	1,663	52	---	572	880
C	-	1,013	59	1,458	59	2.5	644	990
	Norm	1,125	53	1,620	53	---	715	1,100
	+	1,238	48	1,782	48	3.0	787	1,210
D	-	1,080	55	1,555	55	---	836	1,286
	Norm	1,200	50	1,728	50	3.5	929	1,429
	+	1,320	45	1,901	45	4.0	1,022	1,572

Notes:

1. Installer must adjust blower speed(s) as required.
2. CFM in Heating mode for 0.1" to 0.5" w.c. external static pressure. Do not operate above 0.5" w.c. external static pressure in Heating mode.
3. The installation must be adjusted to obtain a temperature rise within the range listed on the furnace nameplate.
4. CFM in Cooling mode for 0.1" to 0.8" w.c. external static pressure.
5. For most cooling applications, approximately 400 CFM per ton is desirable.

GMNTE120-5

BLOWER SPEED TAP			HEATING				COOLING / HP		
			Low Stage		High Stage		Tons of AC	CFM	
			CFM	Temp Rise	CFM	Temp Rise		Low Stage	High Stage
	A	-	1,058	68	1,523	68	---	468	720
		Norm	1,175	61	1,692	61	2.0	520	800
		+	1,293	56	1,861	56	---	572	880
	B	-	1,058	68	1,523	68	2.5	644	990
		Norm	1,175	61	1,692	61	---	715	1,100
		+	1,293	56	1,861	56	3.0	787	1,210
	C	-	1,148	63	1,652	63	---	819	1,260
		Norm	1,275	56	1,836	56	3.5	910	1,400
		+	1,403	51	2,020	51	---	1,001	1,540
	D	-	1,148	63	1,652	63	4.0	1,053	1,620
		Norm	1,275	56	1,836	56	4.5	1,170	1,800
		+	1,403	51	2,020	51	5.0	1,287	1,980

Notes:
1. Installer must adjust blower speed(s) as required.
2. CFM in Heating mode for 0.1" to 0.5" w.c. external static pressure. Do not operate above 0.5" w.c. external static pressure in Heating mode.
3. The installation must be adjusted to obtain a temperature rise within the range listed on the furnace nameplate.
4. CFM in Cooling mode for 0.1" to 0.8" w.c. external static pressure.
5. For most cooling applications, approximately 400 CFM per ton is desirable.

Cased U Coil Application Options

Coil Model Number	Furnace Model Number	GMNTE060-3	GMNTE080-4	GMNTE100-4	GMNTE120-5
	Furnace Width	14"	17½"	21"	24½"
	Coil Width				
U-18	14"	X			
U-29	14"	X			
U-30	17½"	X(1)	X(2)		
U-31	14"	X			
U-32	17½"	X(1)	X(2)		
U-35	14"	X			
U-36	17½"	X(1)	X(2)		
U-42	17½"	X(1)	X(2)		
U-47	17½"		X		
U-49	21"		X(1)	X(2)	
U-59	21"		X(1)	X(2)	
U-60	24½"			X(1)	X(2)
U-61	24½"			X(1)	X(2)
U-62	21"		X(1)	X(2)	

1. Using the factory-installed bottom cabinet filler plates
2. Discard bottom cabinet filler plates

Due to the rating mix/match of various coils with outdoor units, it is important to match the furnace airflow for the total system capacity. Refer to furnace, heat pump and/or condensing unit specification sheets.