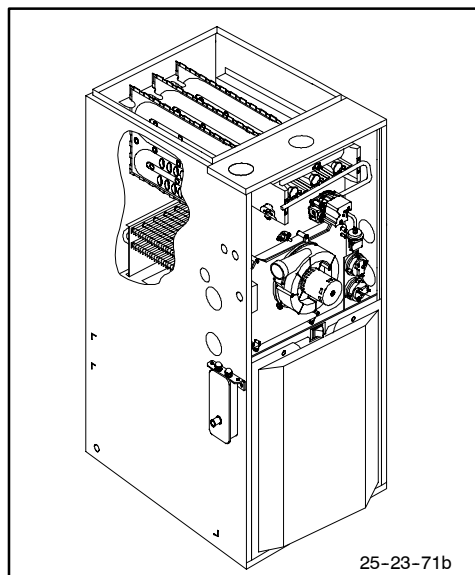




Representative drawing only, some models may vary in appearance.

WARNING

This furnace is not designed for use inside mobile homes, trailers, or recreational vehicles. Such use could result in property damage, bodily injury, and/or death.

Flexibility

- Dual Certified venting (1 or 2 pipe).
- 40" high with wider cabinets, for noise reduction and ease of installation.
- Factory shipped as natural gas, with LP Gas conversion kits available.
- Four position - upflow/downflow/horizontal installation.
- Vent pipe can be run horizontally or vertically.

Service

- Self diagnostics.
- Entire blower assembly mounted on rails.

Homeowner Quality

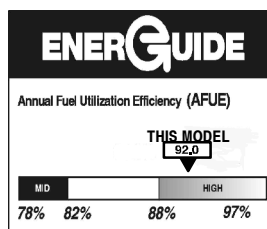
- RPJ III Stainless steel heat exchanger.
- Stainless steel secondary heat exchanger.
- Lifetime limited warranty on heat exchangers and 5 years on parts.
- High temperature limit control prevents overheating.
- Hot surface pilot ignition device.
- Flame roll-out sensors standard.
- External filter rack with permanent filters.
- Solid doors.

Comfort

- Adjustable timed blower Off delay.
- Thermal lined, one piece steel cabinet for noise reduction.
- Insulated blower compartment.
- Humidifier terminal
- Electronic air cleaner terminal.
- Dehumidification option.

Efficiency

- 92% AFUE efficiency range.
- Two stage gas valve operation.
- Two stage fan timer.
- Variable speed blower motor.
- Induced draft blower.
- In-shot burners.



FURNACE SPECIFICATIONS

Model Number	*9MPV050F12	*9MPV075F12	*9MPV100J20	*9MPV125L20
INPUT HIGH FIRE(BTUH) LOW FIRE (BTUH)	50,000 35,000	75,000 53,000	100,000 70,000	125,000 87,500
HTG. CAP. HIGH FIRE (BTUH) LOW FIRE (BTUH)	47,000 33,000	70,500 49,800	94,000 65,800	117,500 82,250
AFUE % (ICS)	92.0	92.0	92.0	92.0
NOx (Ng/J)	<40	<40	<40	<40
TEMP. RISE RANGE High Fire (°F) Low Fire (°F)	35-65 35-65	40-70 40-70	40-70 40-70	40-70 40-70
VENT SIZE^	2" OD	2" - 3"OD	2" - 3"OD	3" OD
VOLTS/PH/HZ	115/60/1	115/60/1	115/60/1	115/60/1
F.L.A.	9.8	8.9	9.0	11.2
MIN./MAX. VOLTAGE	97/132	97/132	97/132	97/132
TRANSFORMER (V.A.)	40	40	40	40
GAS PIPE SIZE (IN.)	1/2	1/2	1/2	1/2
COOLING CAP. (TONS)	3.0	3.0	5.0	5
FILTER SIZE (IN.)	16X25X1(1)	16X25X1(1)	16X25X1(2)	16X25X1(2)
DIMENSIONS (in.) HEIGHT	40	40	40	40
WIDTH X DEPTH	19 ¹ / ₈ x 29	19 ¹ / ₈ x 29	22 ³ / ₄ x 29	24 ¹ / ₂ x 29
WEIGHT (Lbs.)	150	168	187	203

^ Vent size may vary depending on length, number of elbows, standard vent or direct vent. See Installation Instructions.

* Denotes Brand (T, H or C)

MODEL NUMBER IDENTIFICATION GUIDE

Brand Identifier * = Brand	9	M P	V	0 7 5	F	1 2	A	1	Engineering Rev. Denotes minor changes
Efficiency I Identifier 8 = Non-Condensing, 80+% Gas Furnace 9 = Condensing, 90+% Gas Furnace									Marketing Digit Denotes minor change
Installation Configuration UP = Upflow DN = Downflow UH = Upflow/Horizontal HZ = Horizontal DH = Downflow/Horizontal MP = Multiposition, Up/Down/Horizontal									Cooling Airflow 08 = 800 CFM 12 = 1200 CFM 14 = 1400 CFM 16 = 1600 CFM 20 = 2000 CFM
Major Design Feature 1 = One (Single) Pipe N = Single Stage 2 = Two Pipe P = PVC Vent D = 1 or 2 Pipe T = Two Stage L = Low NOx V = Variable Speed									Cabinet Width B = 15.5" Wide F = 19.1" Wide J = 22.8" Wide L = 24.5" Wide
									Input (Nominal MBTUH)

ACCESSORIES

Model Number	Description	Used With Models
1011787 ^	Gas Conversion Kits (2-Stage) - LP (Propane) to natural gas conversion kit. Allows field conversion to natural gas.	*9MPV
1011789 ^	Gas Conversion Kits (2-Stage) - Natural gas to LP (propane) conversion Kit (includes LP high altitude kit). Allows field conversion to LP (propane) gas.	*9MPV
NAHA001PS 1009522 ^	LP Low Pressure Switch - For detecting low line pressure. Opens at 6.5" W.C. (included in NAHF002LP)	All LP *9MPV Models
NAHA001FF	Filter Kits - External filter frame. 16" x 25"	Side Return (All Furnaces) Bottom Return (All "F" 19 ¹ / ₈ " Furnaces under 1650 CFM)
NAHA001FP	External filter frame. 16" x 25" (Bulk Pack Kit - Qty 10)	
NAHA002FF	Filter Kits - Bottom return filter frame kit 20" x 25"	(All "J" 22 ³ / ₄ " Furnaces)
NAHA002FP	Bottom return filter frame kit 20" x 25" (Bulk Pack Kit - Qty 10)	
NAHA003FF	Filter Kits - Bottom or side return filter frame kit 14" x 25".	(All "B" 15 ¹ / ₂ " Furnaces)
NAHA003FP	Bottom or side return filter frame kit 14" x 25" (Bulk Pack Kit - Qty 10)	
NAHA001TK	Duct Standoff Filter Kit - To adapt 20" x 25" filter for single side return.	Side Return (All single return applications with 1650 CFM or greater) Bottom Return (All "F" 19 ¹ / ₈ " Furnaces under 1650 CFM)
NAHA001NK 612833 ^	Condensate Neutralizer Kit - for condensing gas furnaces	All *9MPV Furnaces if Required
NAHH002SB	Combustible Floor Subbase - Subbase Furnace ONLY: All 19 ¹ / ₄ "wide furnace models	*9MPV050/075
NAHH003SB	Combustible Floor Subbase - Subbase Furnace ONLY: All 22 ³ / ₄ "wide furnace models	*9MPV100
NAHH010SB	Combustible Floor Subbase - Subbase Furnace ONLY: All 24 ¹ / ₂ "wide furnace models	*9MPV125
NAHH005SB	Subbase - Furnace w/19 ¹ / ₄ "cased coil	*9MPV050/075 Counterflow furnace w/19 ¹ / ₄ "cased coil
NAHH006SB	Subbase - Furnace w/22 ³ / ₄ "cased coil	*9MPV100 Counterflow furnace w/22 ³ / ₄ "cased coil
NAHH009SB	Subbase Furnace w/24 ¹ / ₂ "cased coil	*9MPV125 Counterflow furnace w/24 ¹ / ₂ "cased coil
NAHA001CV 1011129^	3" Concentric Vent Kit - allows single wall penetration for 2 pipe direct vent applications (90+).	*9MPV100/125
NAHA002CV	2" Concentric Vent Kit - allows single wall penetration for 2 pipe direct vent applications (90+).	*9MPV050/075
NAHA001CA	Coil Adapter for Downflow Furnaces	All Downflow Models

^ Must be ordered from Service Parts

* Denotes Brand

Heating, Cooling & Continuous Airflow Settings

Continuous Blower (CFM) @ 0.10" Static

Switch Settings		Furnace Model			
#1	#2	50K	75K	100K	125K
0*	0*	540	540	700	703
0	1	660	660	860	821
1	0	780	780	1020	1000
1	1	900	900	1180	1160

*Factory Setting

Hi Heat Air Temperature Adjustment (° F)**

Switch Settings			Furnace Model			
#3	#4	#5	50K	75K	100K	125K
0**	0**	0**	0	0	0	0
0	0	1	3	2	3	2
0	1	0	6	4	5	6
0	1	1	14	6	9	11
1	0	0	17	11	13	13
1	0	1	-8	-4	-4	-5
1	1	0	-13	-4	-7	-5
1	1	1	-17	-4	-9	-5

*Factory setting

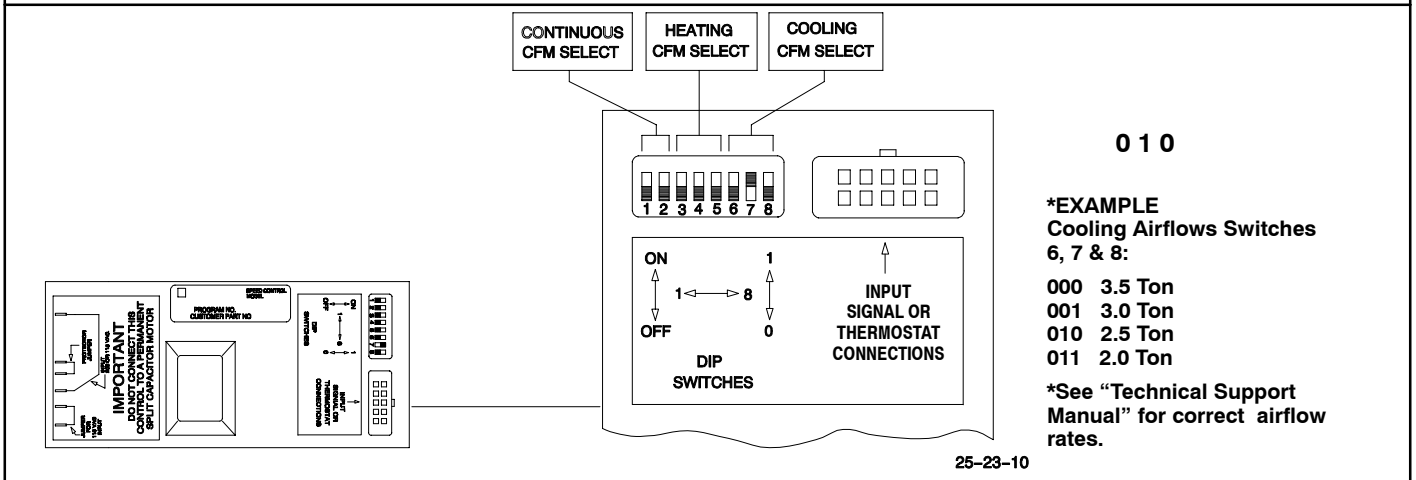
**Approximate air temperature change from factory setting @ 0.20" static on high heat) low heat speed changes with change of high heat speed on most settings)

Lo Heat Air Temperature Adjustment (° F)**

Switch Settings			Furnace Model			
#3	#4	#5	50K	75K	100K	125K
0**	0**	0**	0	0	0	0
0	0	1	1	1	1	6
0	1	0	4	2	2	8
0	1	1	7	3	5	12
1	0	0	11	6	8	16
1	0	1	-7	-4	-5	-1
1	1	0	-11	-6	-9	-4
1	1	1	-15	-9	-11	-7

*Factory setting

Blower Motor Settings



Heating, Cooling & Continuous Airflow Settings

Figure 1

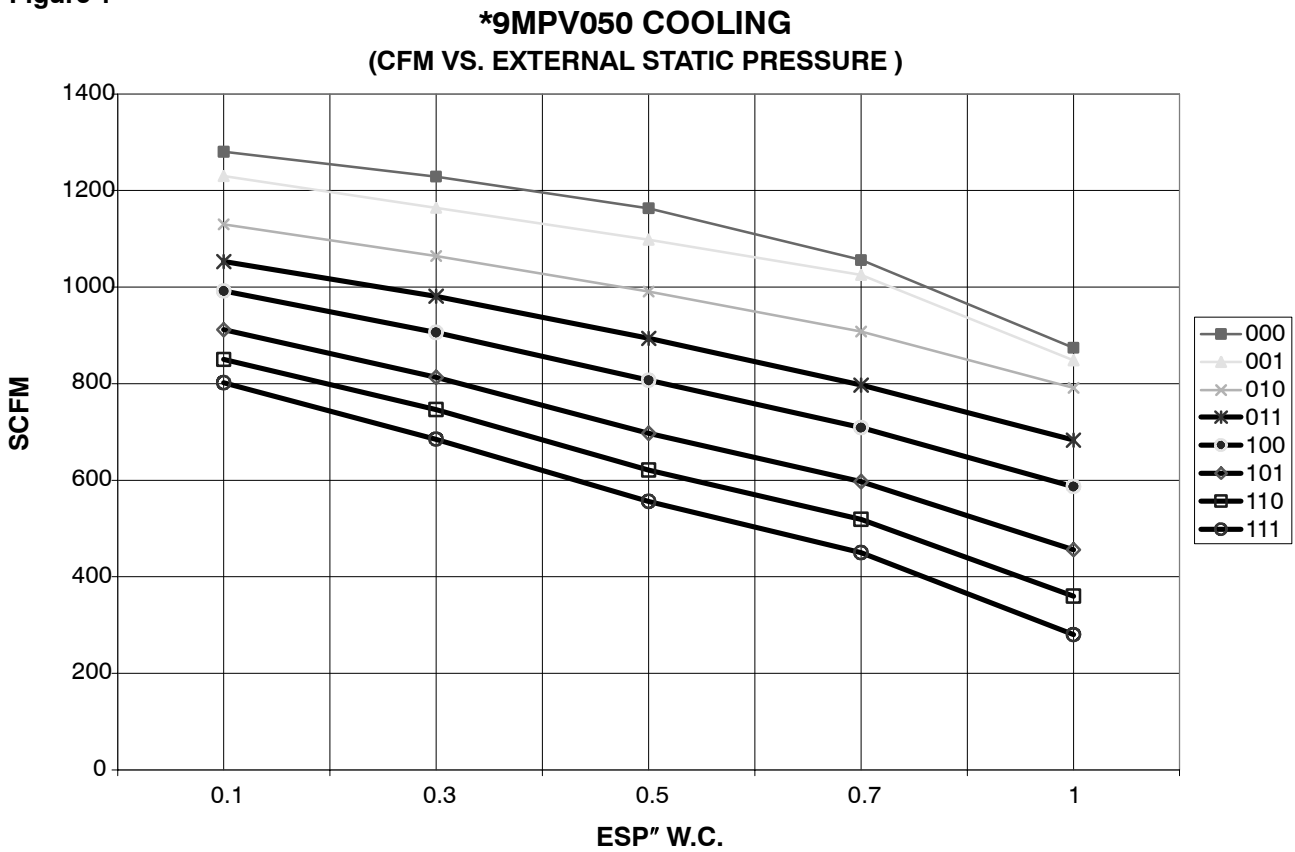
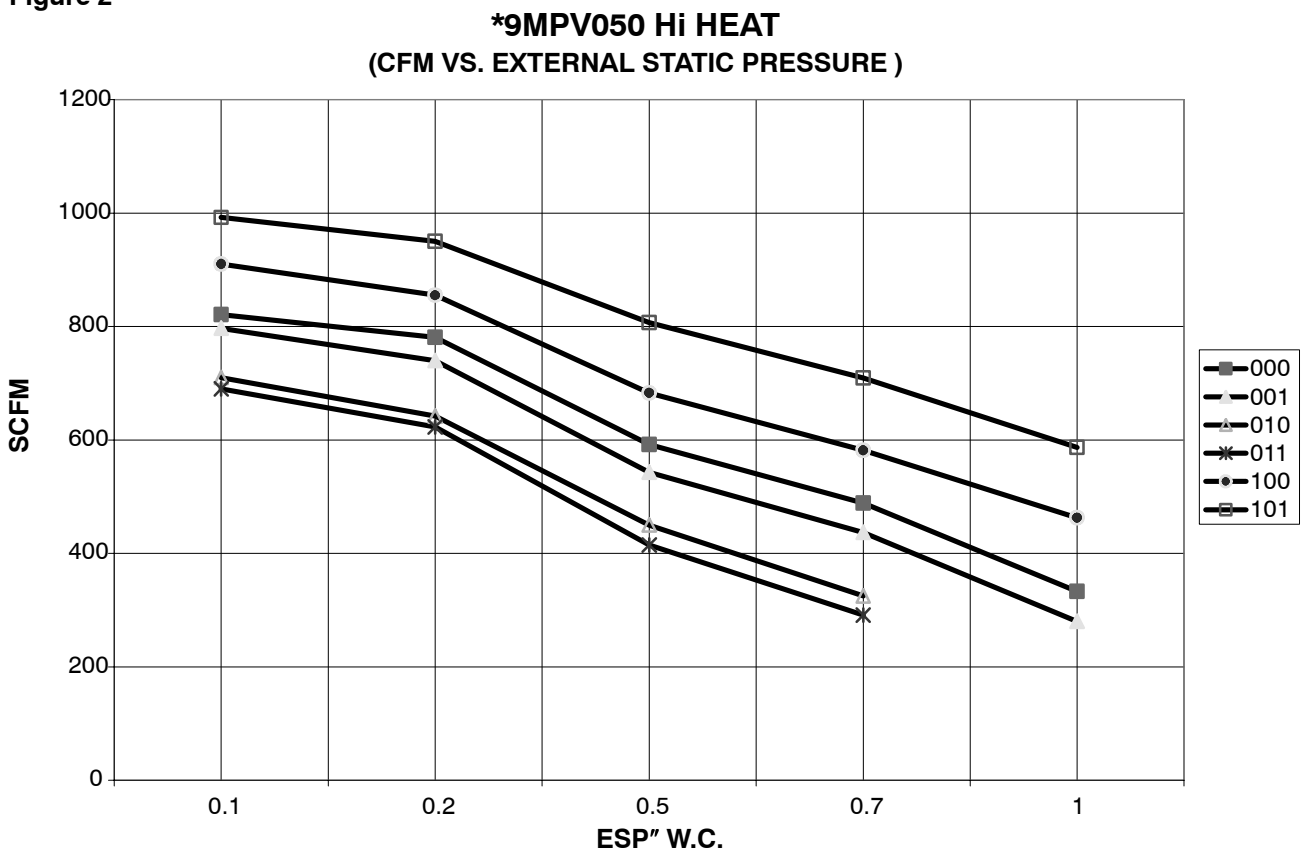


Figure 2



Heating, Cooling & Continuous Airflow Settings

Figure 3

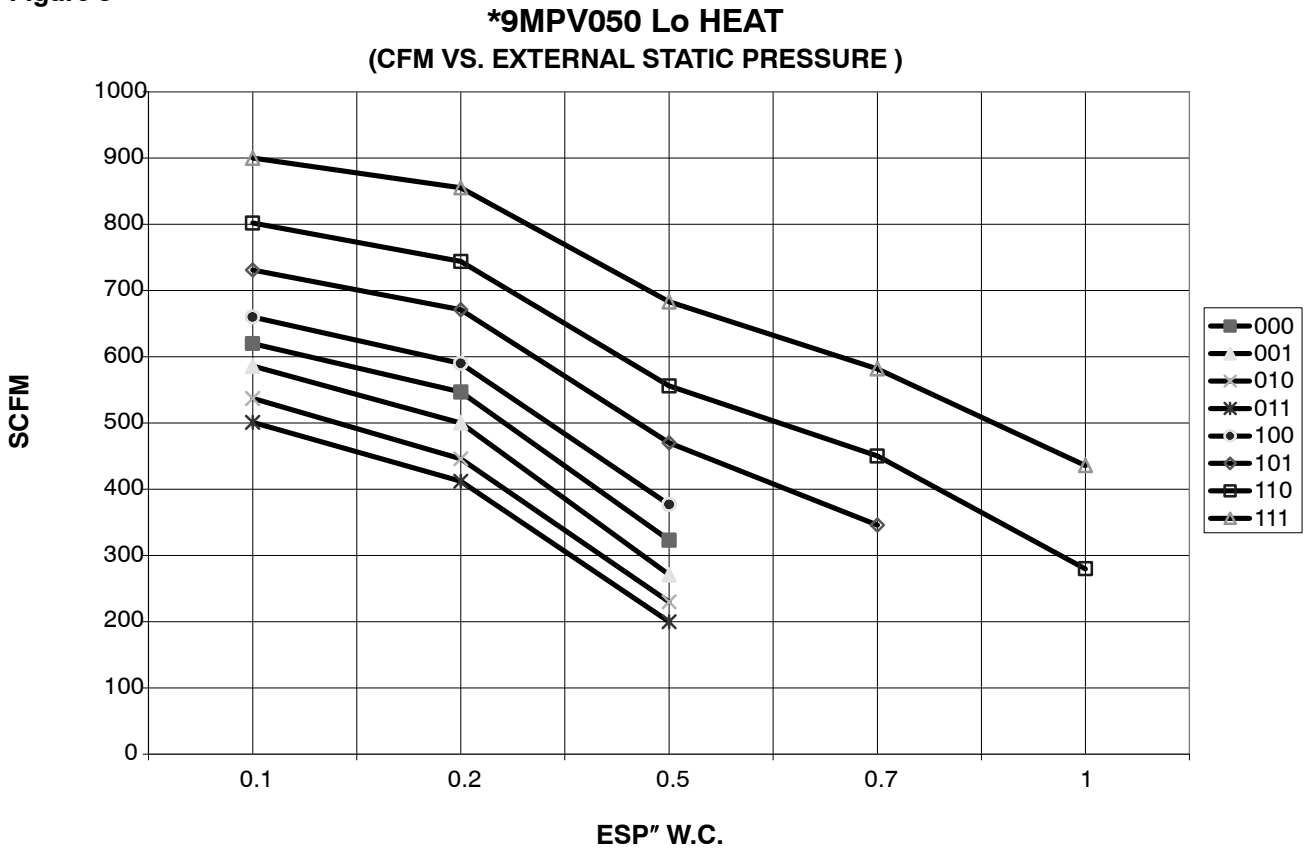
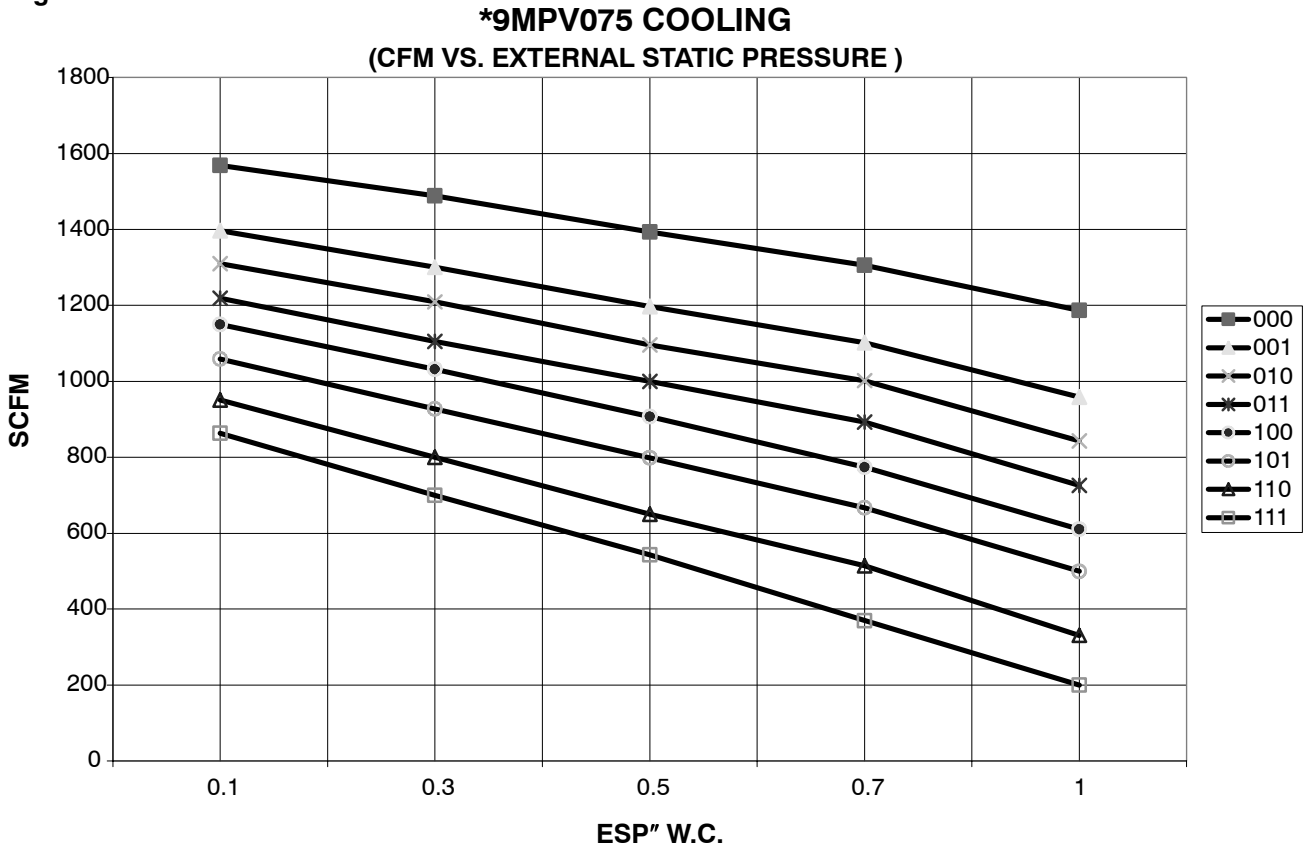


Figure 4



Heating, Cooling & Continuous Airflow Settings

Figure 5

***9MPV075 Hi HEAT
(CFM VS. EXTERNAL STATIC PRESSURE)**

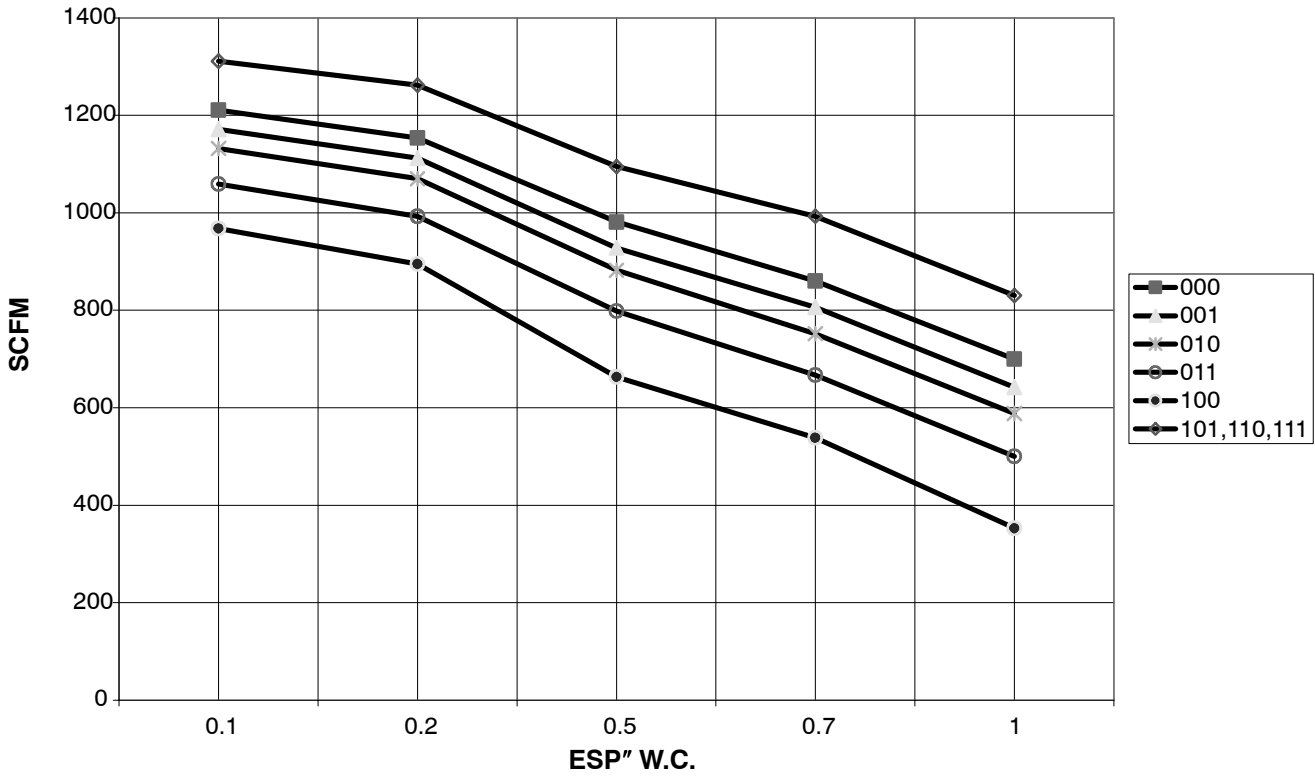
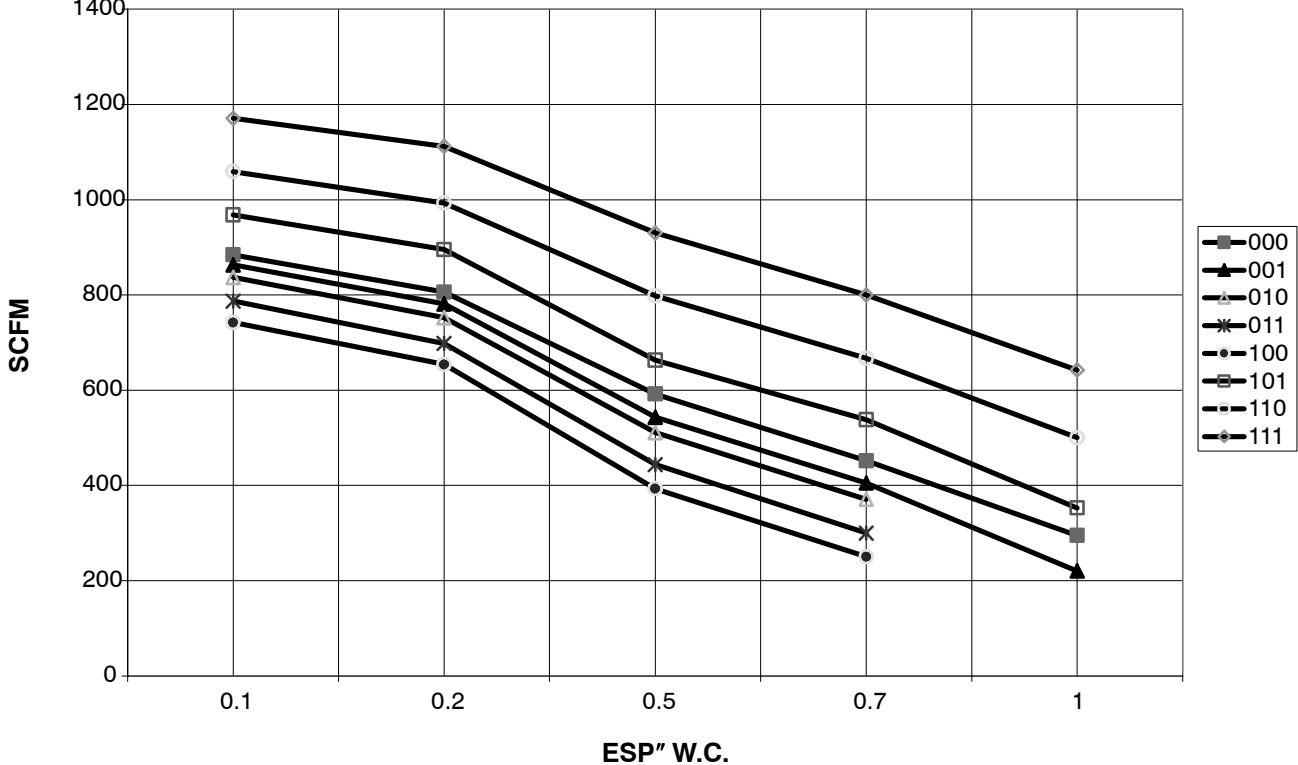


Figure 6

***9MPV075 Lo HEAT
(CFM VS. EXTERNAL STATIC PRESSURE)**



Heating, Cooling & Continuous Airflow Settings

Figure 7

*9MPV100 COOLING (CFM VS. EXTERNAL STATIC PRESSURE)

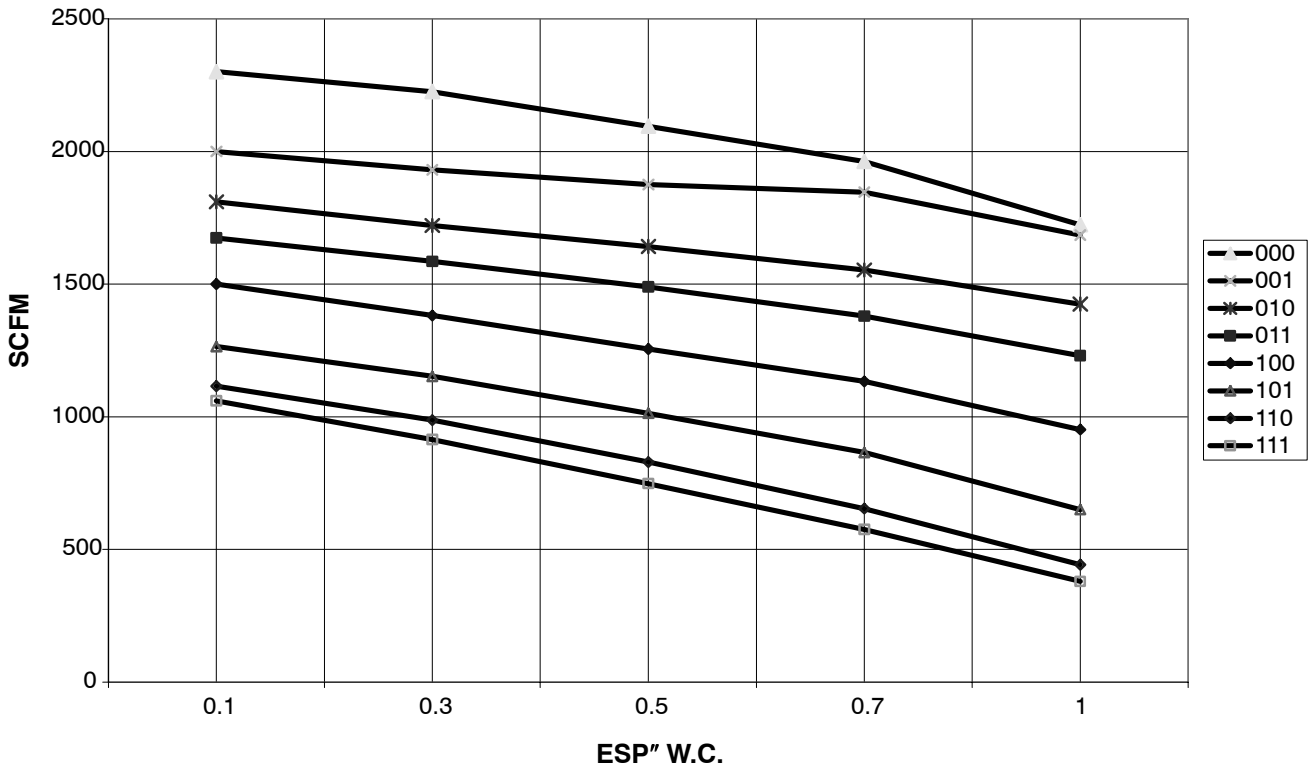
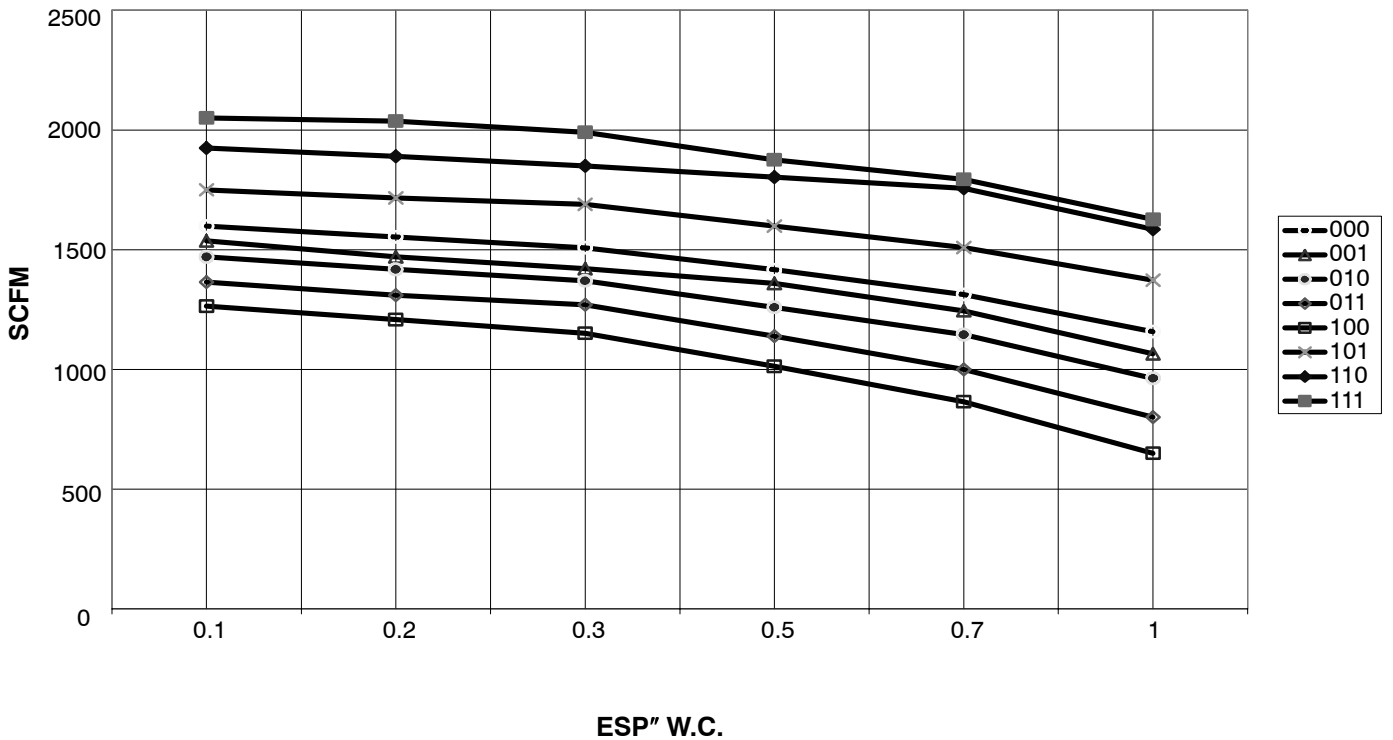


Figure 8

*9MPV100 Hi HEAT (CFM VS. EXTERNAL STATIC PRESSURE)



Heating, Cooling & Continuous Airflow Settings

Figure 9

*9MPV100 Lo HEAT (CFM VS. EXTERNAL STATIC PRESSURE)

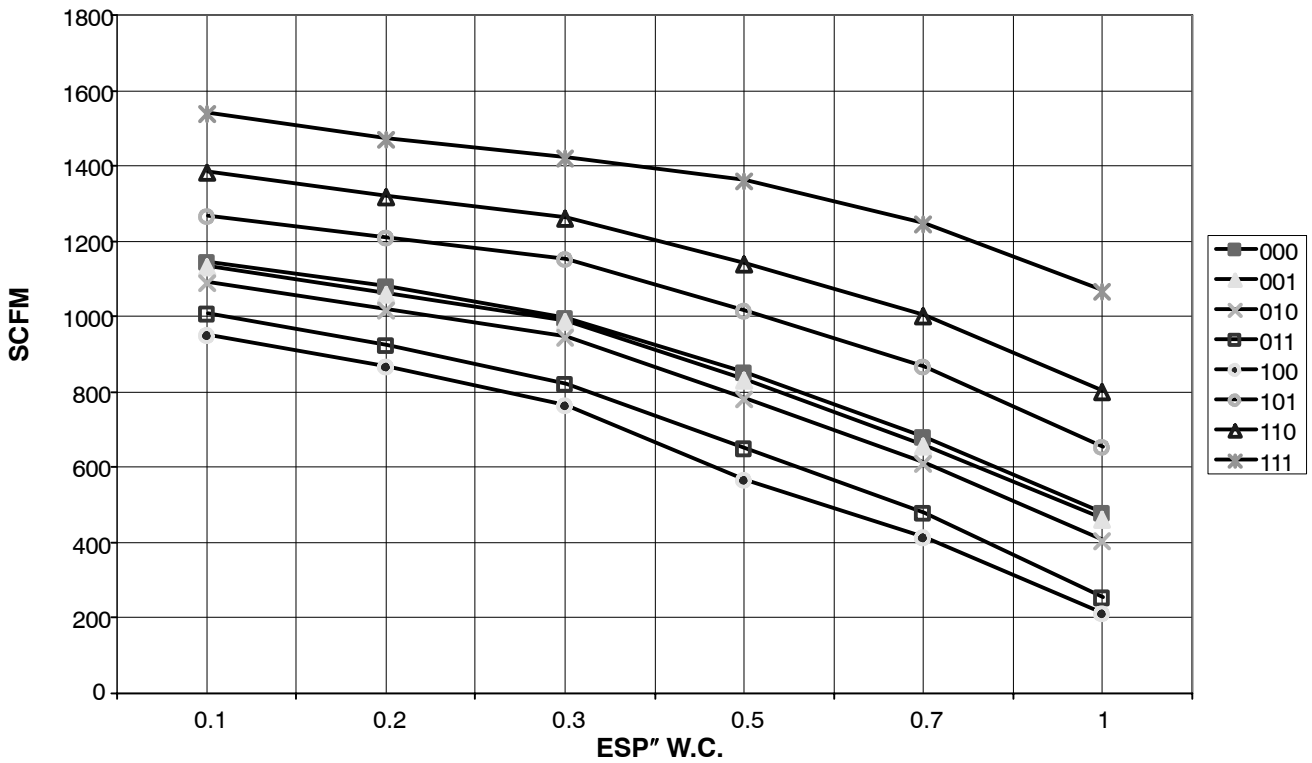
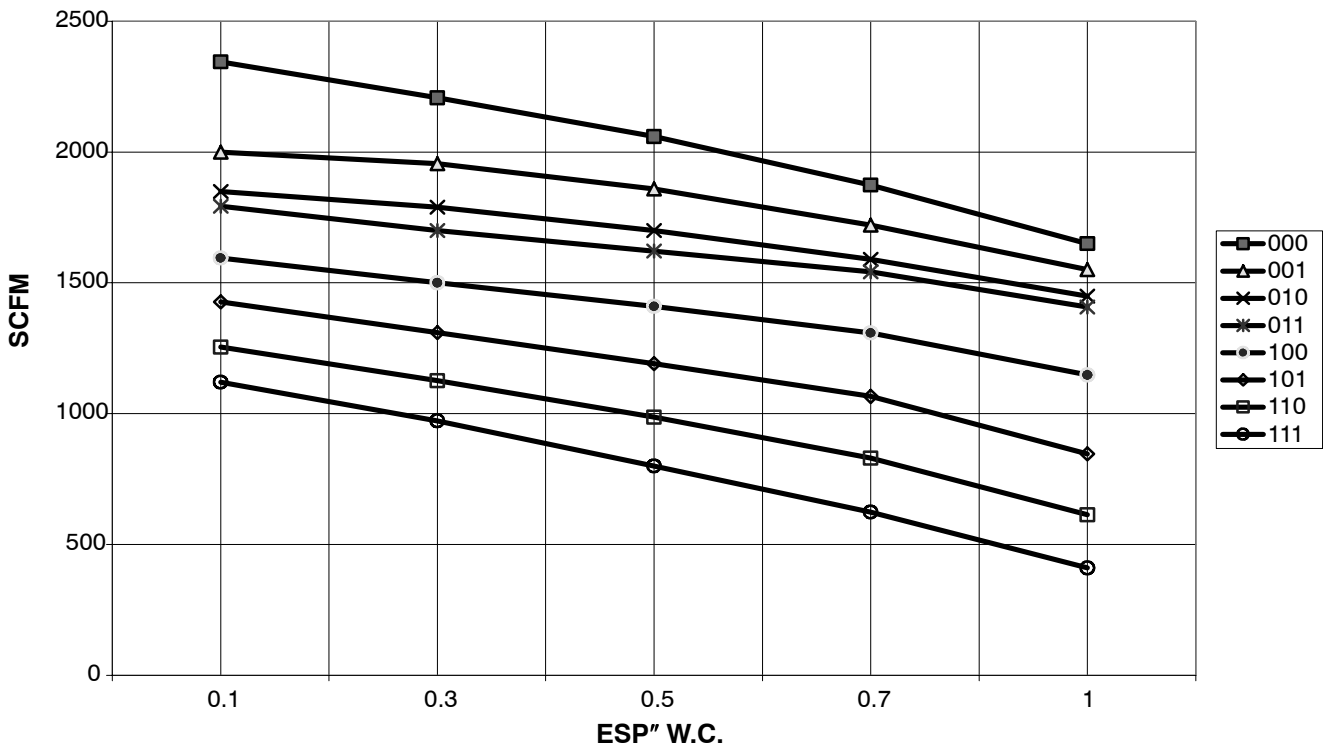


Figure 10

*9MPV125 COOLING (CFM VS. EXTERNAL STATIC PRESSURE)



Heating, Cooling & Continuous Airflow Settings

Figure 11

*9MPV125 Lo HEAT (CFM VS. EXTERNAL STATIC PRESSURE)

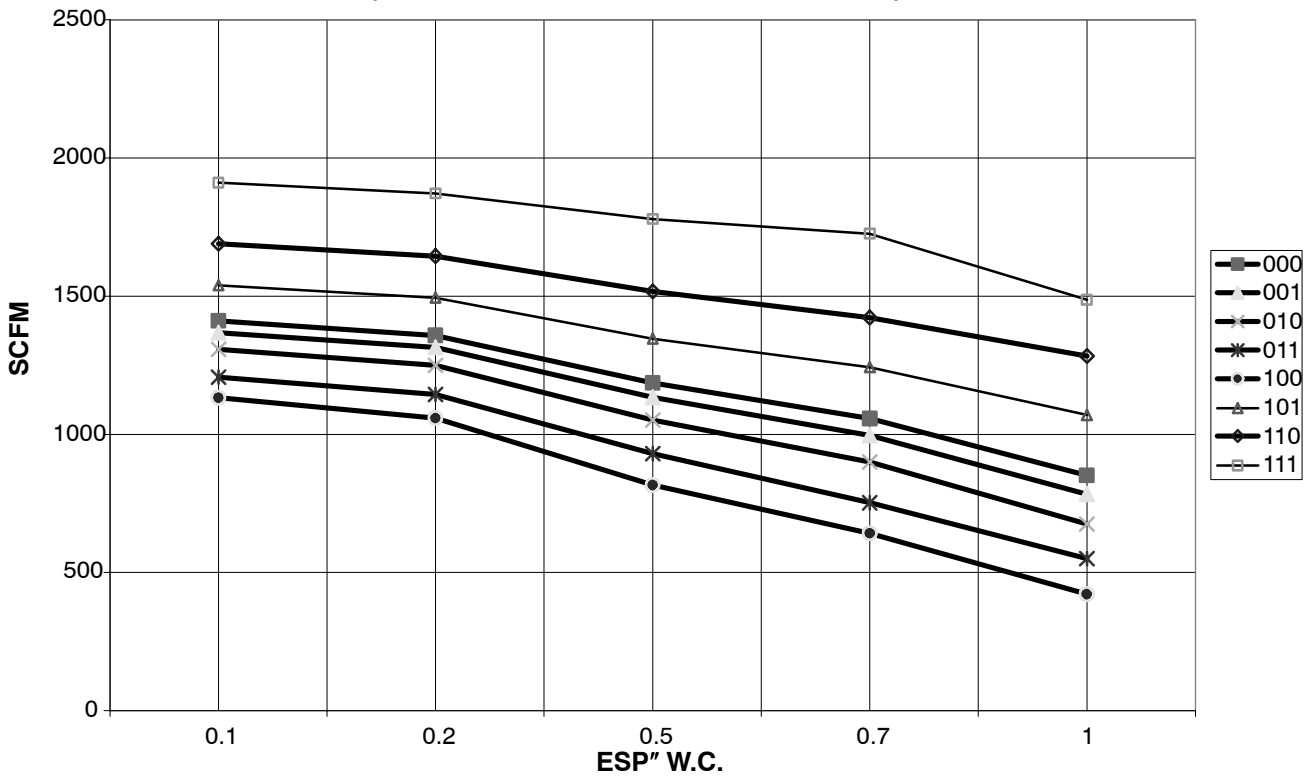
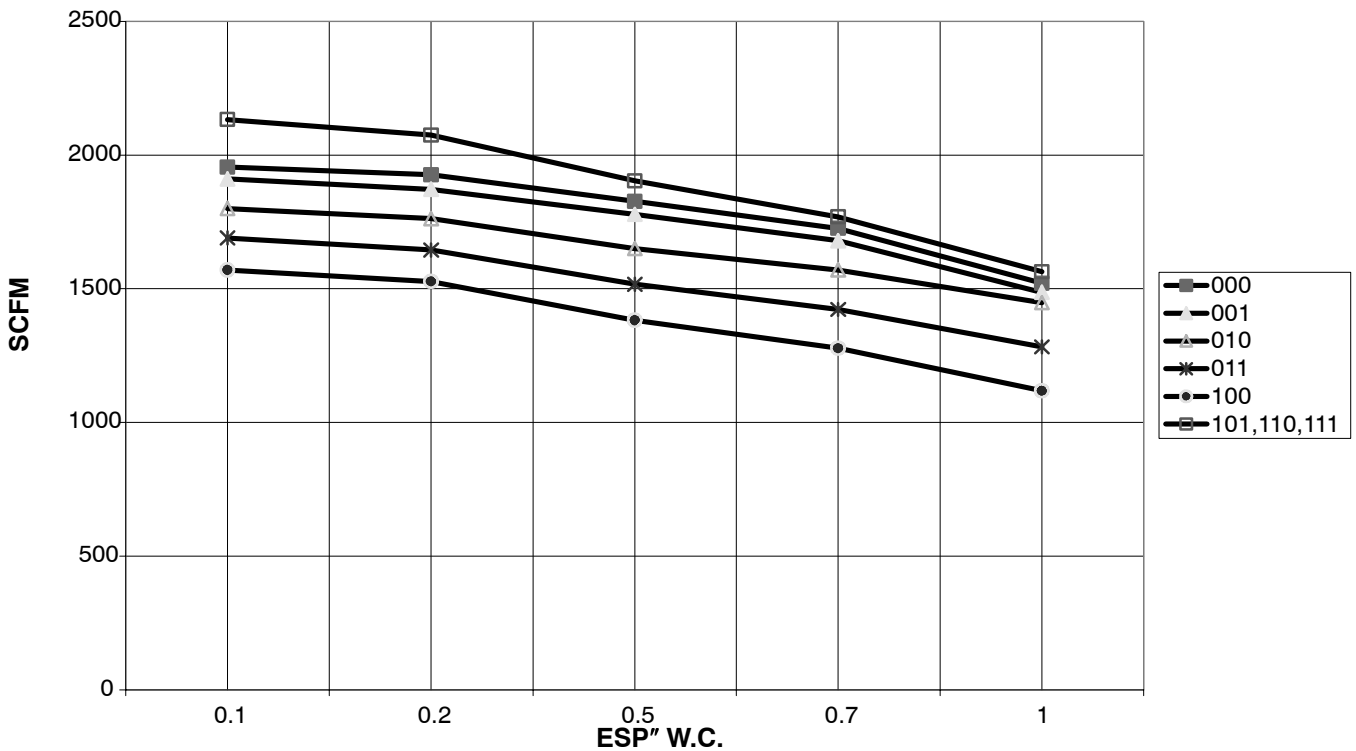


Figure 12

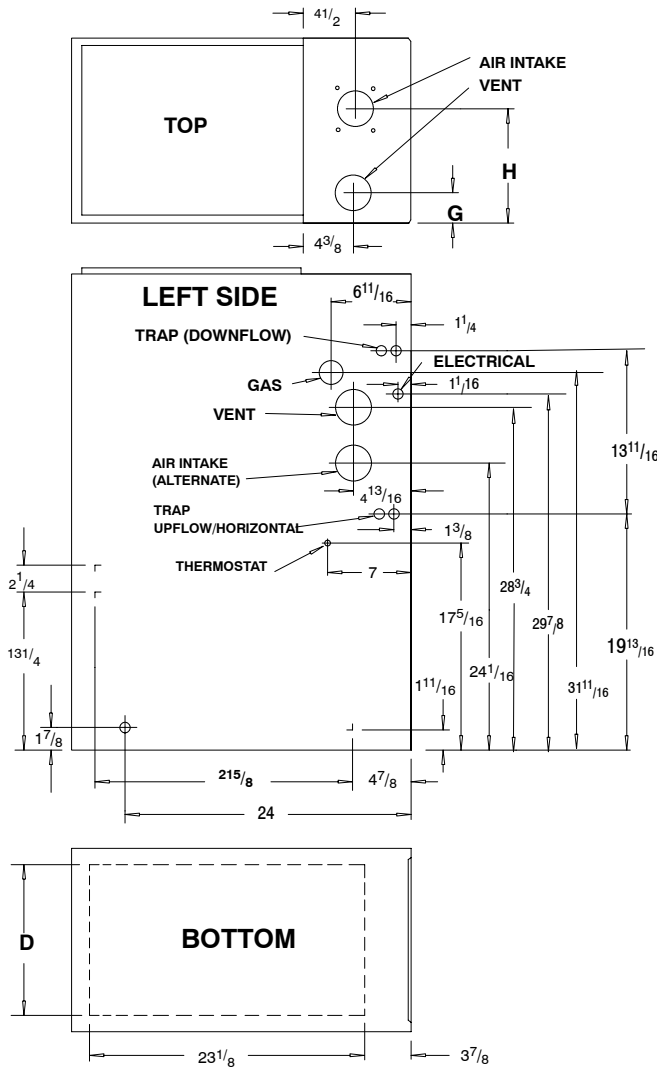
*9MPV125 Hi HEAT (CFM VS. EXTERNAL STATIC PRESSURE)



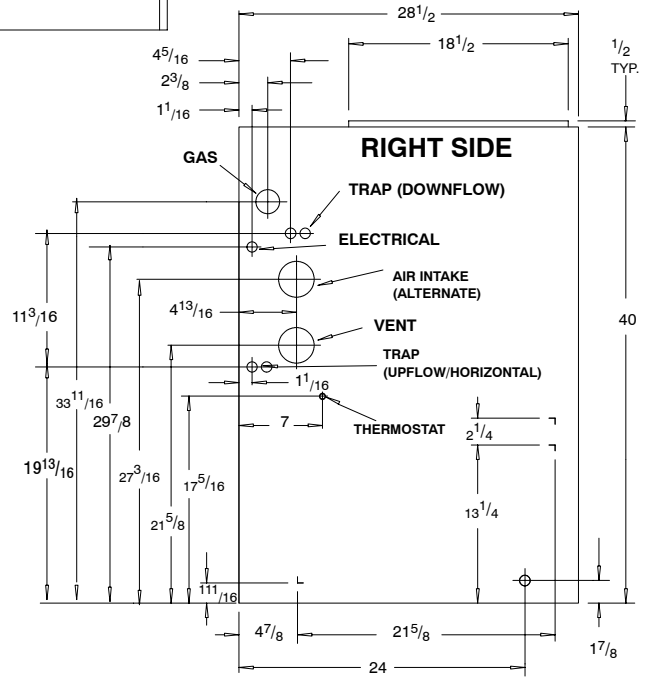
DIMENSIONS

Cabinet to Combustible Clearances

TOP	BOT.	RH	LH	BACK	FRNT	FLUE
1"	0"	0"	0"	0"	3"	0"



ALL DIMENSIONS IN INCHES



Unit Capacity	Cabinet		Bottom	Top	
	A	B	D	G	H
*9MPV050F12A	191/8	175/8	143/4	21/2	91/2
*9MPV075F12A	191/8	175/8	143/4	21/2	91/2
*9MPV100J16A	223/4	211/4	183/4	25/8	113/8
*9MPV125L20A	241/2	23	23	21/4	121/4

* Denotes Brand

25-23-36A