

Submittal Data

Job name:

Location:

Tag:

Date:



- MDV-V24WMN10T:**
- ◆ High efficiency twin rotary compressor
 - ◆ Intelligent soft start
 - ◆ Two-pipe heat pump
 - ◆ Wide operation range: cooling 5°F to 125°F ; heating -22°F to 86°F

- MGV96U060B3C+MCPM3036BN10TH**
- ◆ Durable aluminized steel tubular heat exchanger. Stainless-steel secondary heat exchanger
 - ◆ The gas furnace's igniter does not generate electric sparks, thereby enhancing safety
 - ◆ Acoils all aluminum coil for corrosion-resistance

Specifications:

PERFORMANCE			
Cooling Capacity ¹		Btu/h	23000
EER2 ¹		Btu/W	10.1
SEER2 ¹		Btu/W	16.0
Heating Capacity ²		Btu/h	24000
COP2 ²		W/W	3.4
HSPF IV ²		BtuW	8.6
HSPF V ²		BtuW	7.0
Heating Capacity ³		Btu/h	20000
COP ³		W/W	1.80
INDOOR SPECIFICATION			
Furnace	Unit Dimensions (W×H×D)	inch	17-1/2 × 33-3/4 × 28-3/4
	Package Dimensions (W×H×D)	inch	21-1/16 × 35-7/16 × 30-15/16
	Net weight/ Gross weight	lbs	135/147.5
Acoil	Unit Dimensions (W×H×D)	inch	17-1/2 × 20 × 21
	Package Dimensions (W×H×D)	inch	24-15/16 × 20-5/8 × 22-1/4
	Net weight/ Gross weight	lbs	48.5/53.6
OUTDOOR SPECIFICATION			
Compressor Type		Inverter Rotary	
Outdoor Air Flow		CFM	2315
Outdoor Noise Level ⁴		dBA	56
Unit Dimensions (W×H×D)		inch	39-1/8 × 28 × 16-3/4
Package Dimensions (W×H×D)		inch	41-5/6 × 35-1/16 × 19-1/16
Net weight/ Gross weight		lbs	121/147

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Specifications (continued):

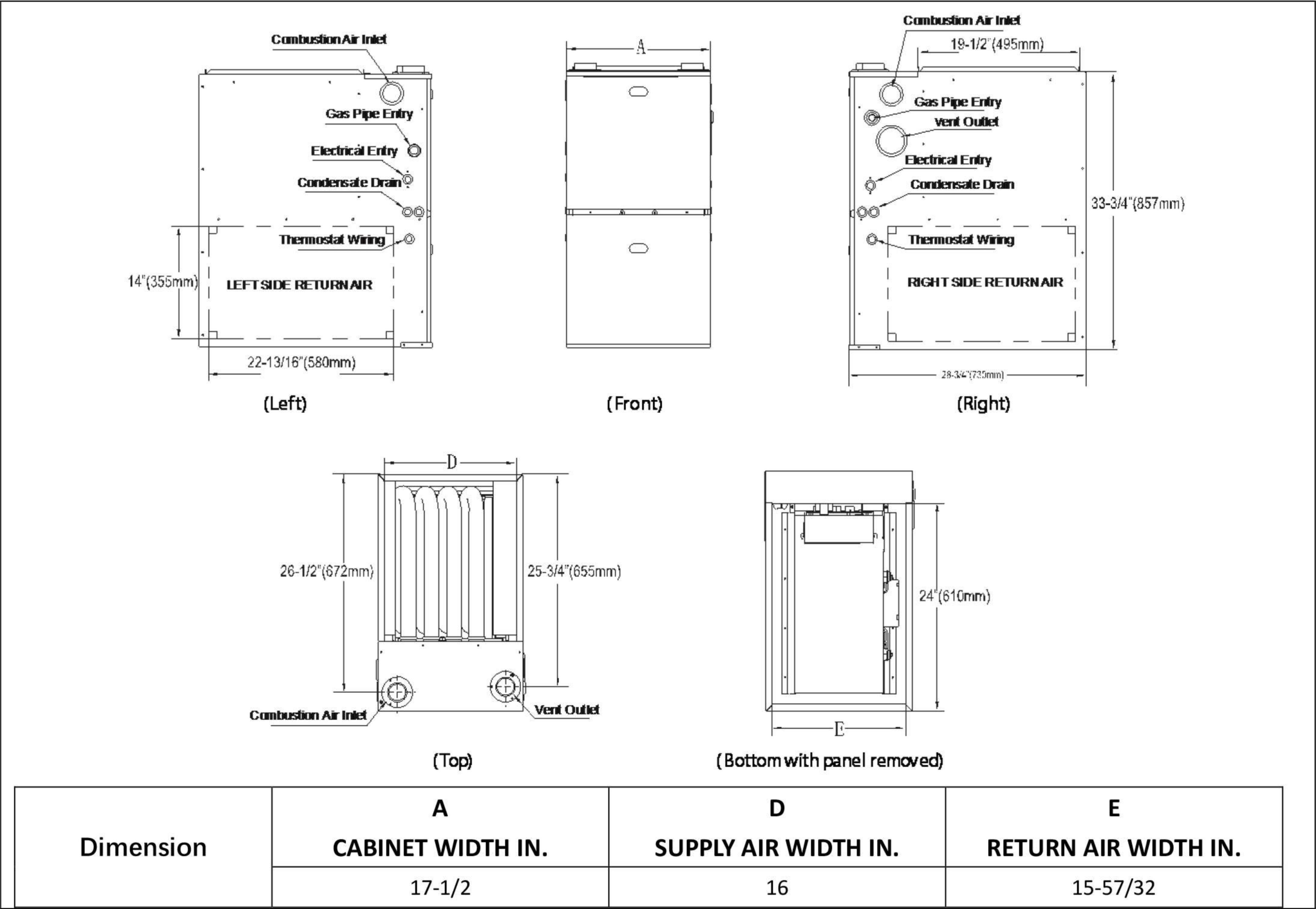
ELECTRICAL		
Power Supply	V/Ph/Hz	208-230 /1/60
Outdoor Minimum Circuit Ampacity (MCA)	A	16
Outdoor Maximum Overcurrent Protection (MOP)	A	25
Compressor RLA	A	11.6
Outdoor Fan Power Output	W	176
Outdoor Fan Motor (FLA)	A	1.5
Furnace Min. Circuit Amps (MCA)	W	8
Furnace Maximum Overcurrent Protection (MOP)	A	15
PIPING		
Liquid Size	inch	φ3/8
Gas Size	inch	φ5/8
Max. Piping Length	ft	164
Max. Height Difference	ft	98
Refrigerant type		R-454B
Factory refrigerant charge	lb	3.64

Notes:

1. 95°F dry bulb/75°F wet bulb outdoor air temperature and 80°F dry bulb/67°F wet bulb entering indoor coil air, connected Acoils+Furnace;
2. 47°F dry bulb/43°F wet bulb outdoor air temperature and 70°F dry bulb/60°F wet bulb entering indoor coil air, connected Acoils+Furnace;
3. 5°F dry bulb/3°F wet bulb outdoor air temperature and 70°F dry bulb/60°F wet bulb entering indoor coil air, connected Acoils+Furnace;
4. Sound pressure level is measured 1m in front of the unit and 1m above the floor in a semi-anechoic chamber at cooling mode.

Furnace Dimensional Drawing:

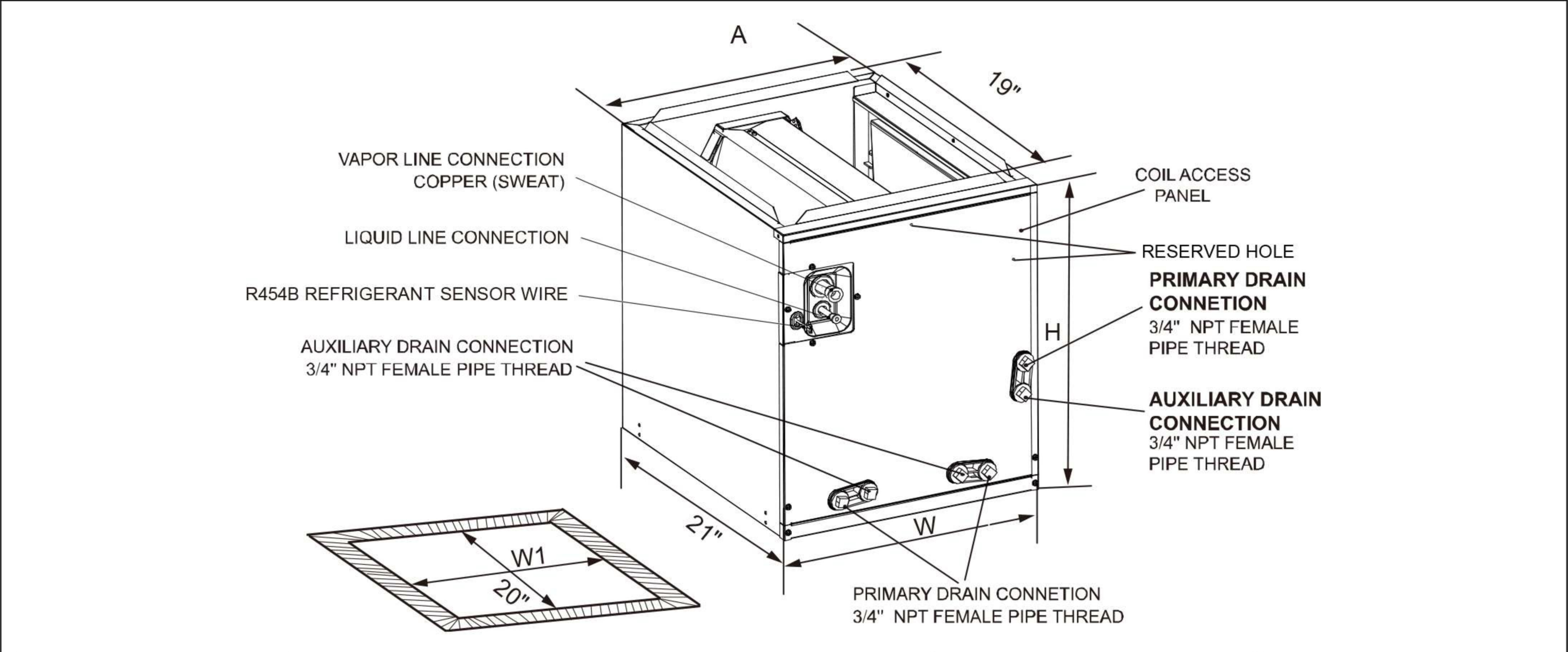
Unit (in)



Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.

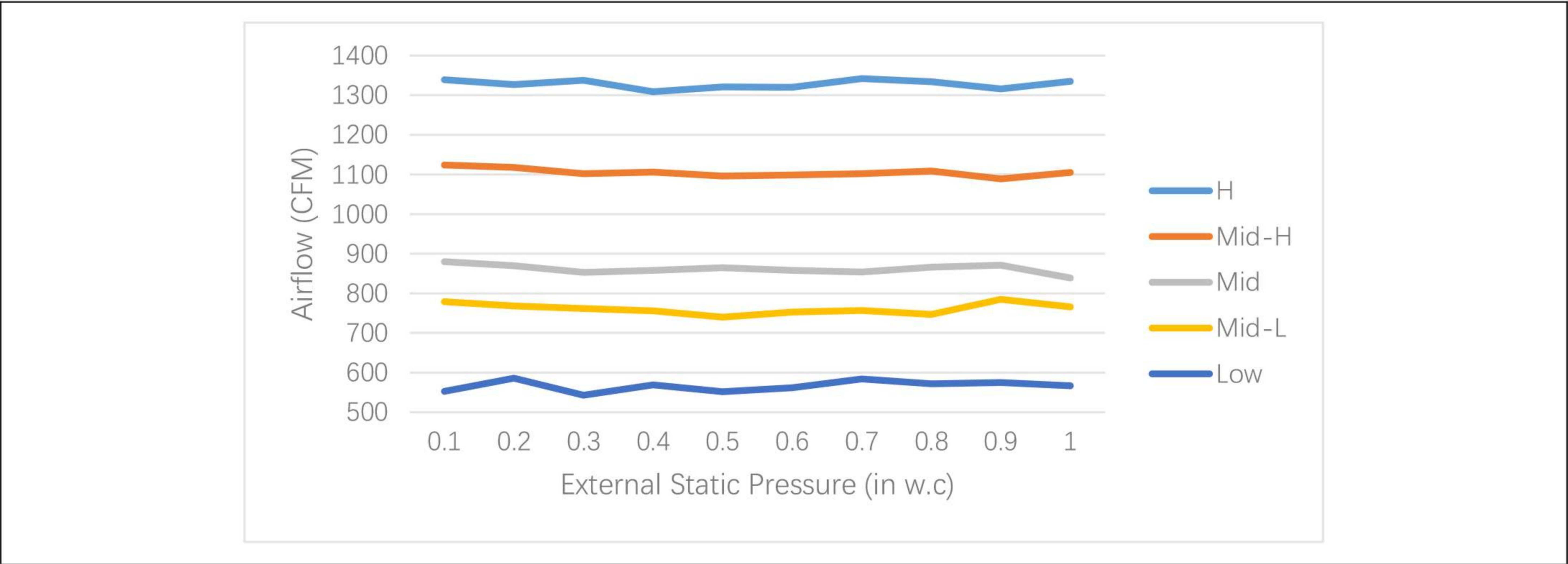
Acoils Dimensional Drawing:

Unit (in)

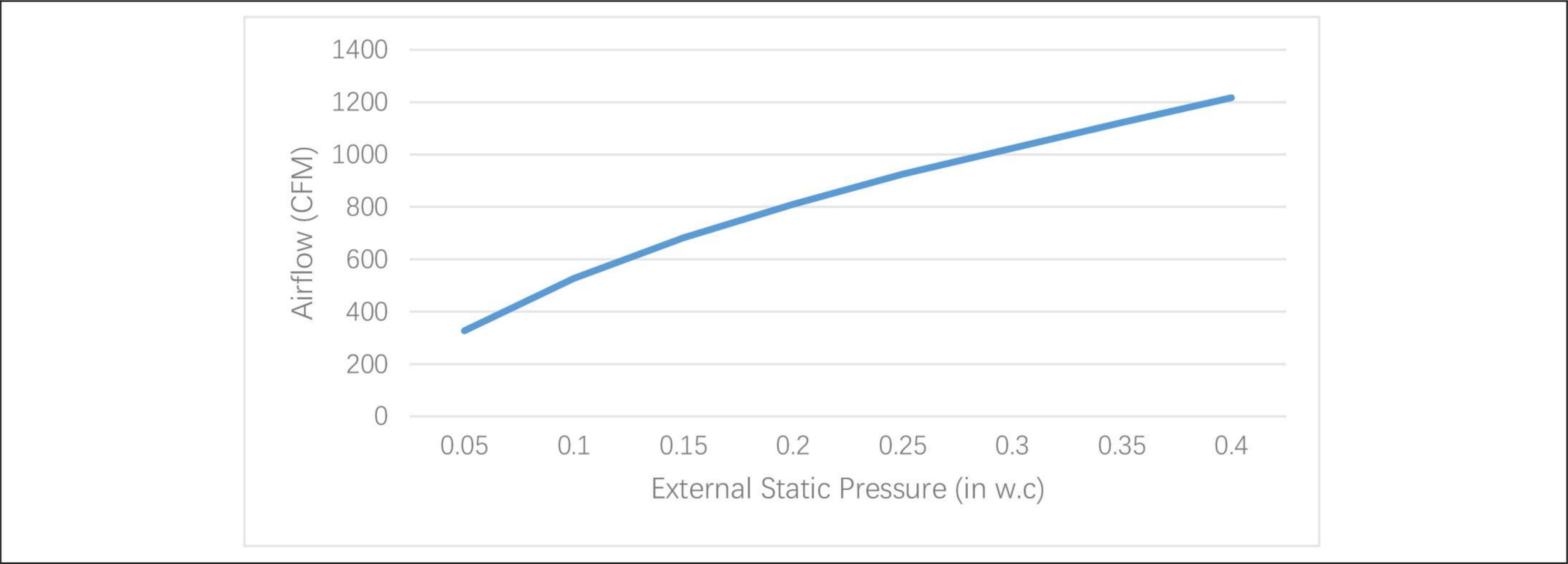


Dimension	UNIT HEIGHT "H"	UNIT WIDTH "W"	SUPPLY DUCT "A"	"W1"
	20 [508]	17-1/2 [445]	16 [407]	16-1/2 [419]

Furnace Fan Performance



Acoils Fan Performance



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Outdoor Unit Dimensional Drawing:

Unit (in.)

