

Submittal Data

Job name:

Location:

Tag:

Date:



- MDV-V48WMN10T:**
- ◆ 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

- MGV96U100C5C+MCPM4860CN10TH**
- ◆ 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		48000
EER2 ¹	Btu/W		10
SEER2 ¹	Btu/W		16.0
Heating Capacity ²	Btu/h		48000
COP2 ²	W/W		3.5
HSPF IV ²	BtuW		8.9
HSPF V ²	BtuW		7.0
Heating Capacity ³	Btu/h		40000
COP ³	W/W		1.80
INDOOR SPECIFICATION			
Furnace	Unit Dimensions (W×H×D)	inch	21 × 33-3/4 × 28-3/4
	Package Dimensions (W×H×D)	inch	23-7/16 × 35-7/16 × 30-15/16
	Net weight/ Gross weight	lbs	162/173
Acoil	Unit Dimensions (W×H×D)	inch	21 × 30 × 21
	Package Dimensions (W×H×D)	inch	24-15/16 × 24-3/16 × 32-5/16
	Net weight/ Gross weight	lbs	83/89
OUTDOOR SPECIFICATION			
Compressor Type		Inverter Rotary	
Outdoor Air Flow	CFM	4126	
Outdoor Noise Level ⁴	dBA	60	
Unit Dimensions (W×H×D)	inch	38-1/2×52-1/4×15-3/4	
Package Dimensions (W×H×D)	inch	42-5/8 × 56-1/2 × 17-1/8	
Net weight/ Gross weight	lbs	227/249	

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Specifications (continued):

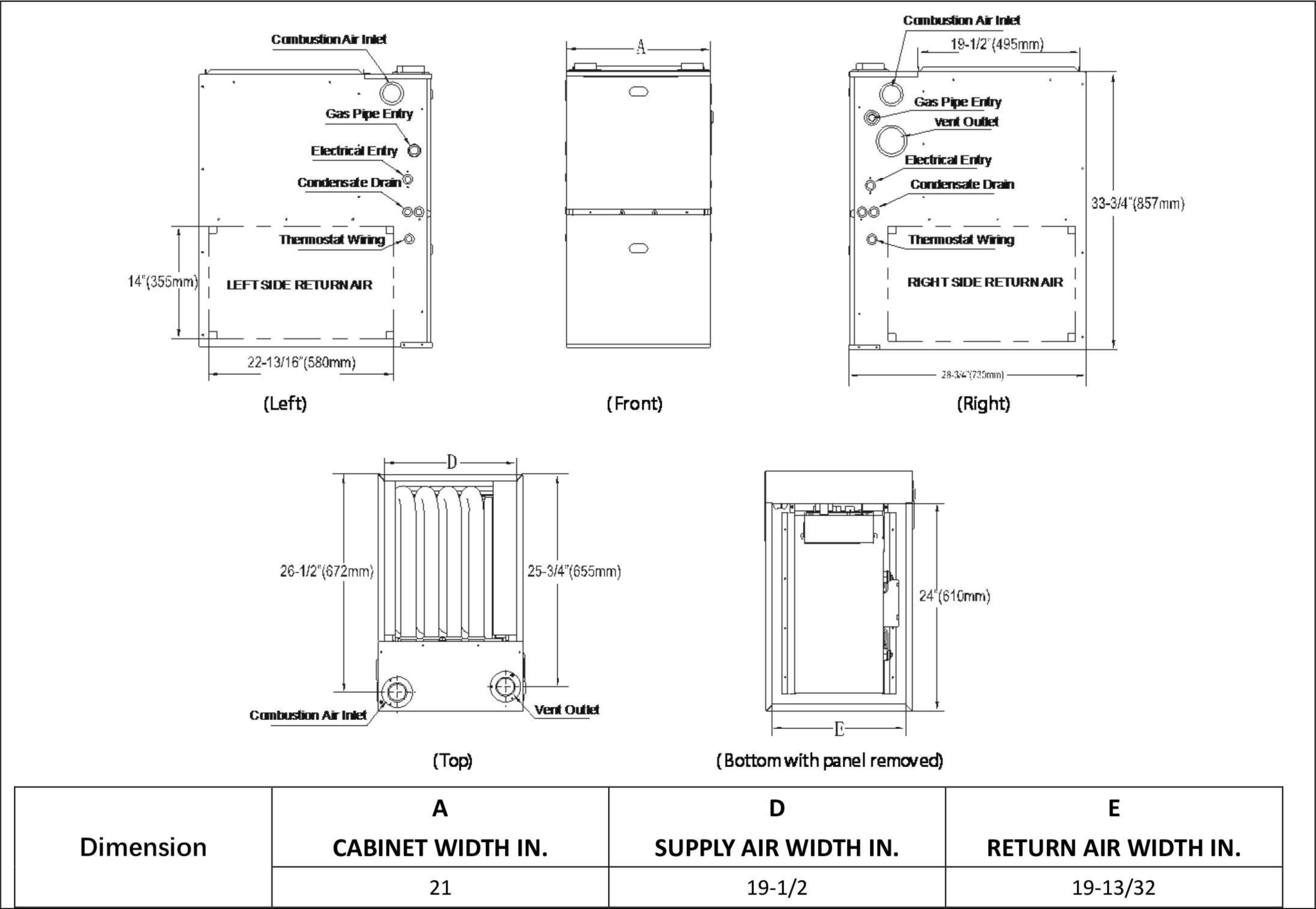
ELECTRICAL		
Power Supply	V/Ph/Hz	208-230 /1/60
Outdoor Minimum Circuit Ampacity (MCA)	A	28
Outdoor Maximum Overcurrent Protection (MOP)	A	40
Compressor RLA	A	19
Outdoor Fan Power Output	W	123×2
Outdoor Fan Motor (FLA)	A	1.1×2
Furnace Min. Circuit Amps (MCA)	W	11.5
Furnace Maximum Overcurrent Protection (MOP)	A	20
PIPING		
Liquid Size	inch	φ3/8
Gas Size	inch	φ3/4
Max. Piping Length	ft	164
Max. Height Difference	ft	98
Refrigerant type		R-454B
Factory refrigerant charge	lb	9.04

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:

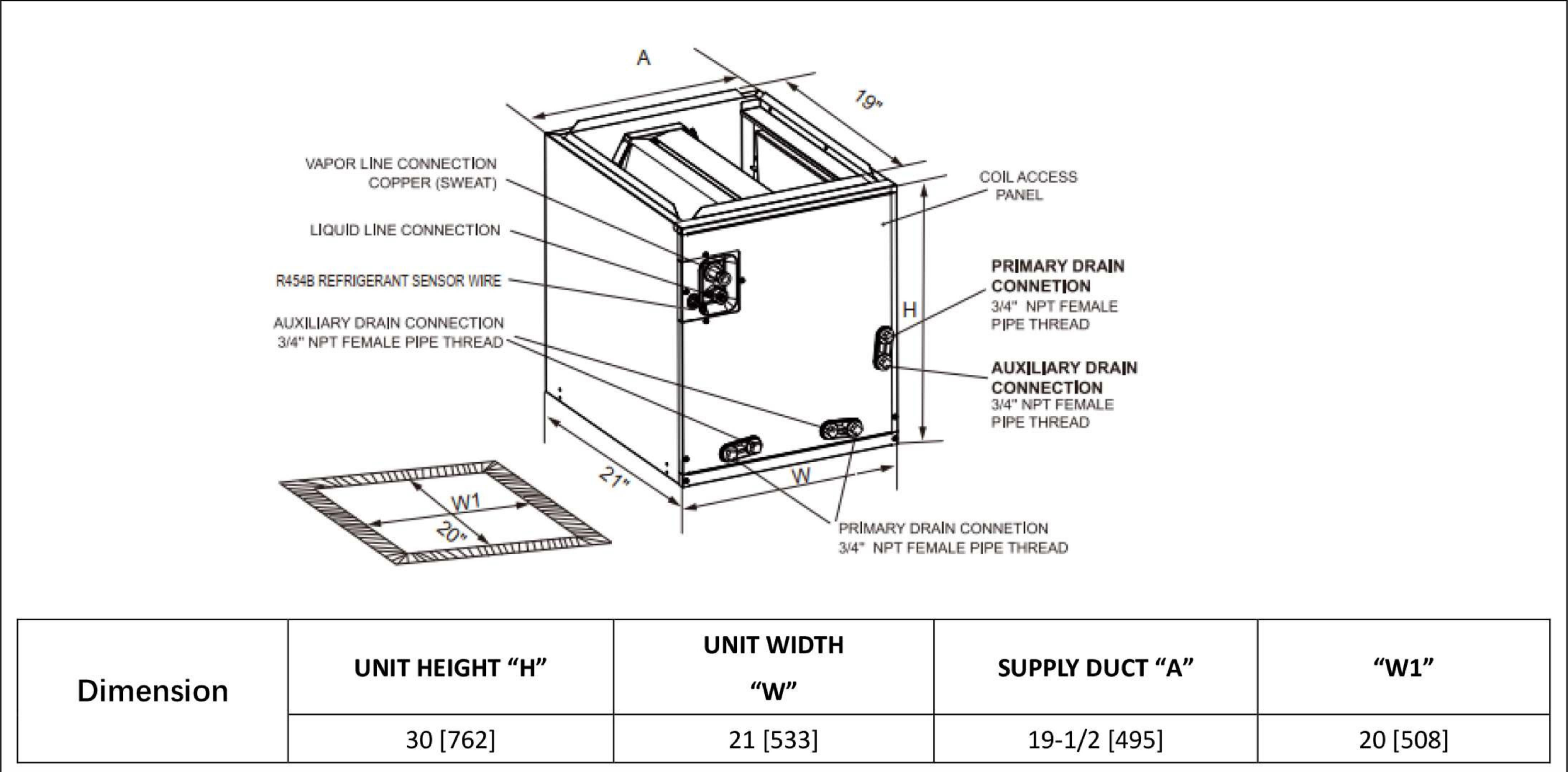
Unit (in)



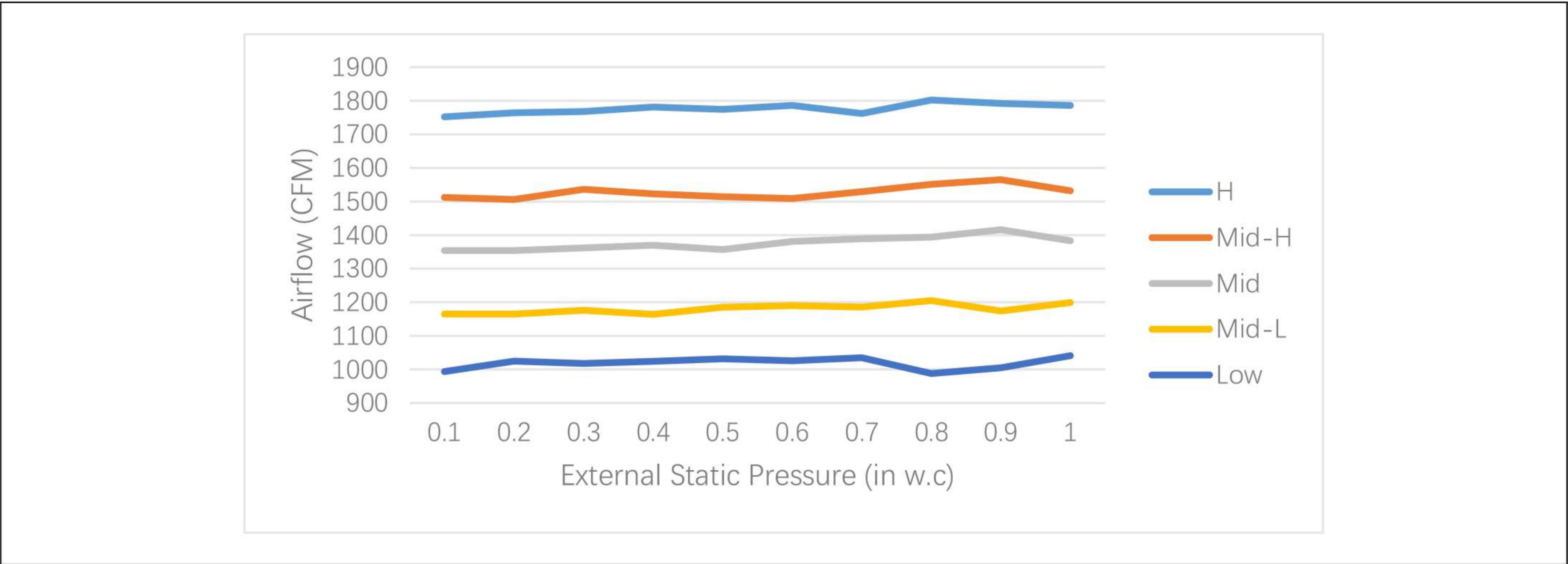
Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.

Acoils Dimensional Drawing:

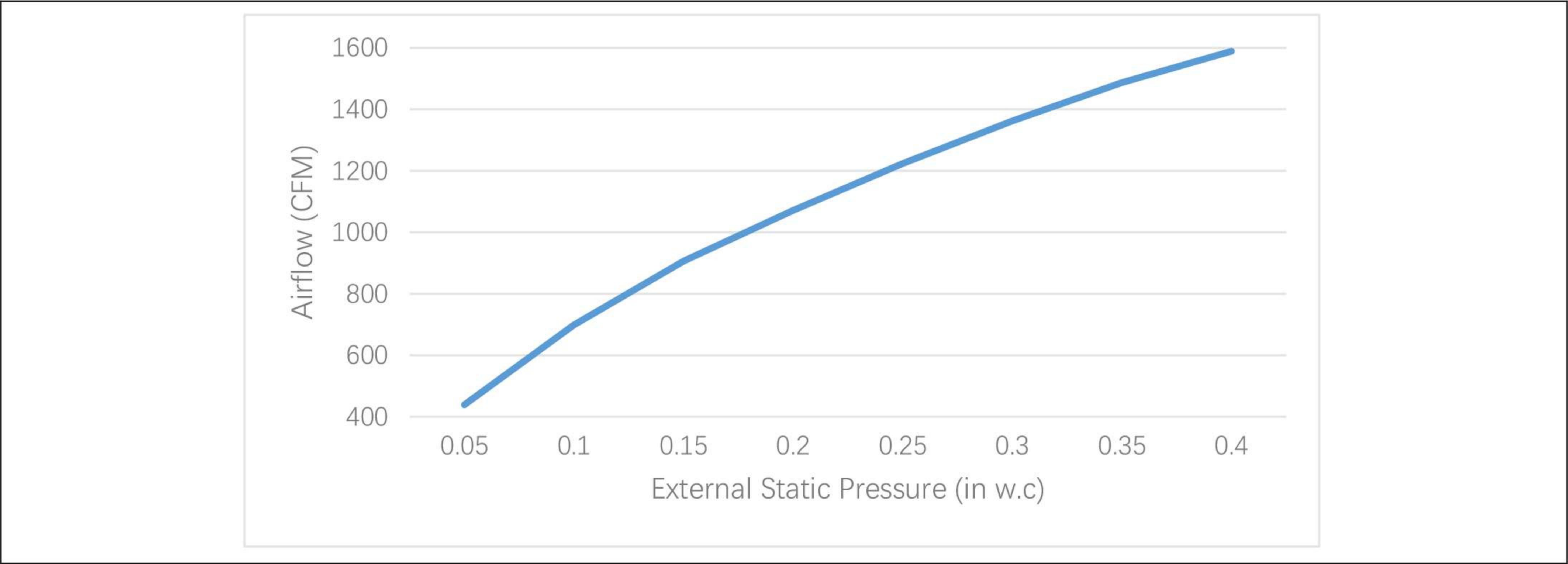
Unit (in)



Furnace Fan Performance



Acoils Fan Performance



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Outdoor Unit Dimensional Drawing:

Unit (in.)

