

Submittal Data

Job name:

Location:

Tag:

Date:



- MDV-V36WMN10T:**
- ◆ 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

- MGV96U080B3C+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 <sup>1</sup> |                            | Btu/h           | 34000                        |
| EER2 <sup>1</sup>             |                            | Btu/W           | 10.2                         |
| SEER2 <sup>1</sup>            |                            | Btu/W           | 16.0                         |
| Heating Capacity <sup>2</sup> |                            | Btu/h           | 36000                        |
| COP2 <sup>2</sup>             |                            | W/W             | 3.5                          |
| HSPF IV <sup>2</sup>          |                            | BtuW            | 8.9                          |
| HSPF V <sup>2</sup>           |                            | BtuW            | 7.0                          |
| Heating Capacity <sup>3</sup> |                            | Btu/h           | 36000                        |
| COP <sup>3</sup>              |                            | W/W             | 1.90                         |
| 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             | 141/153                      |
| 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             | 3255                         |
| Outdoor Noise Level           |                            | dBA             | 59                           |
| Unit Dimensions (W×H×D)       |                            | inch            | 40-11/16×34×20-9/16          |
| Package Dimensions (W×H×D)    |                            | inch            | 44-1/16 × 38-9/16 × 22-1/16  |
| Net weight/ Gross weight      |                            | lbs             | 207/229                      |

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Specifications (continued):

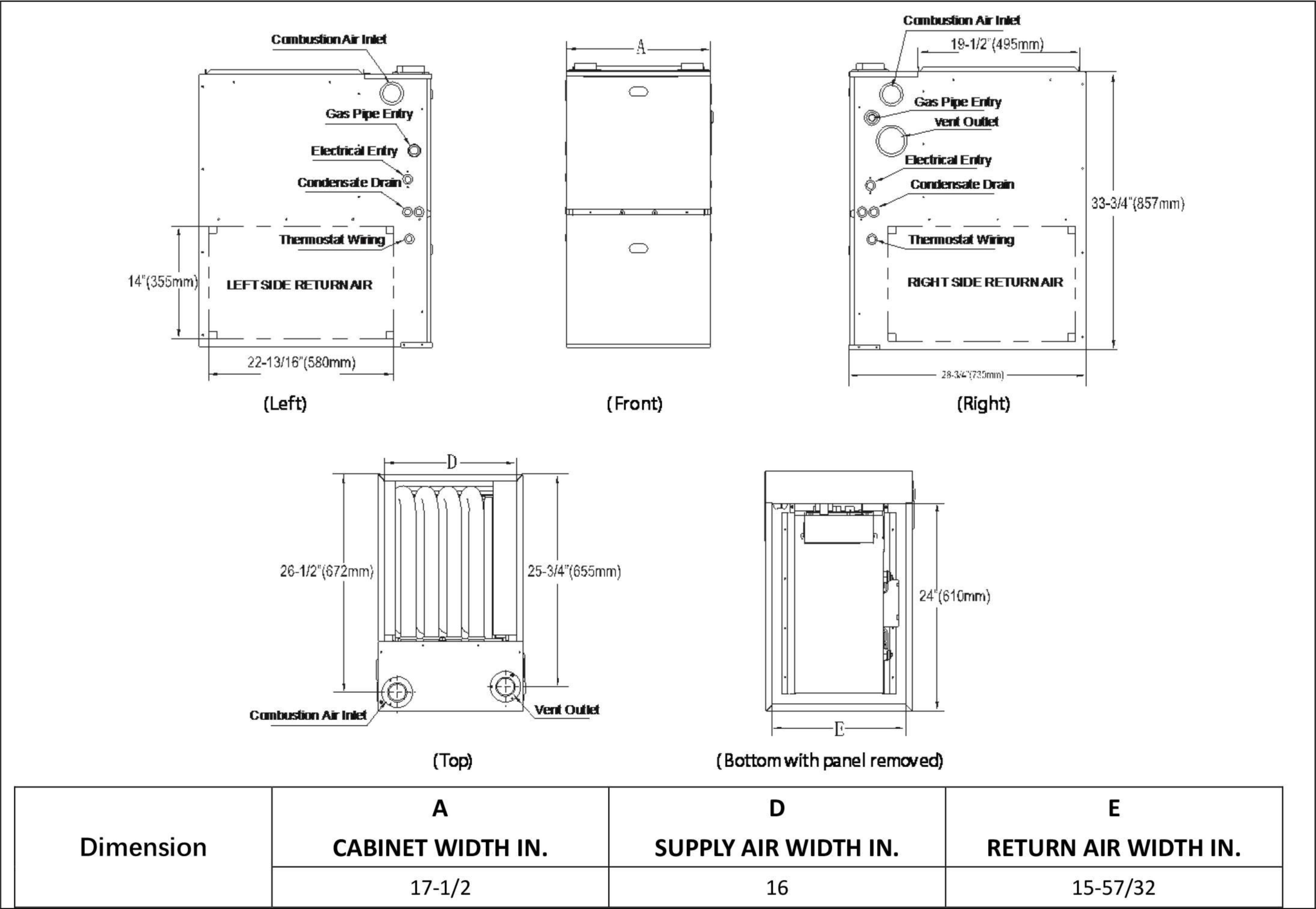
| ELECTRICAL                                   |         |               |
|----------------------------------------------|---------|---------------|
| Power Supply                                 | V/Ph/Hz | 208-230 /1/60 |
| Outdoor Minimum Circuit Ampacity (MCA)       | A       | 25            |
| Outdoor Maximum Overcurrent Protection (MOP) | A       | 30            |
| Compressor RLA                               | A       | 16.5          |
| Outdoor Fan Power Output                     | W       | 215           |
| Outdoor Fan Motor (FLA)                      | A       | 1.9           |
| 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      | 6.83          |

Notes:

1. 95°F wet bulb/75°F dry 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)

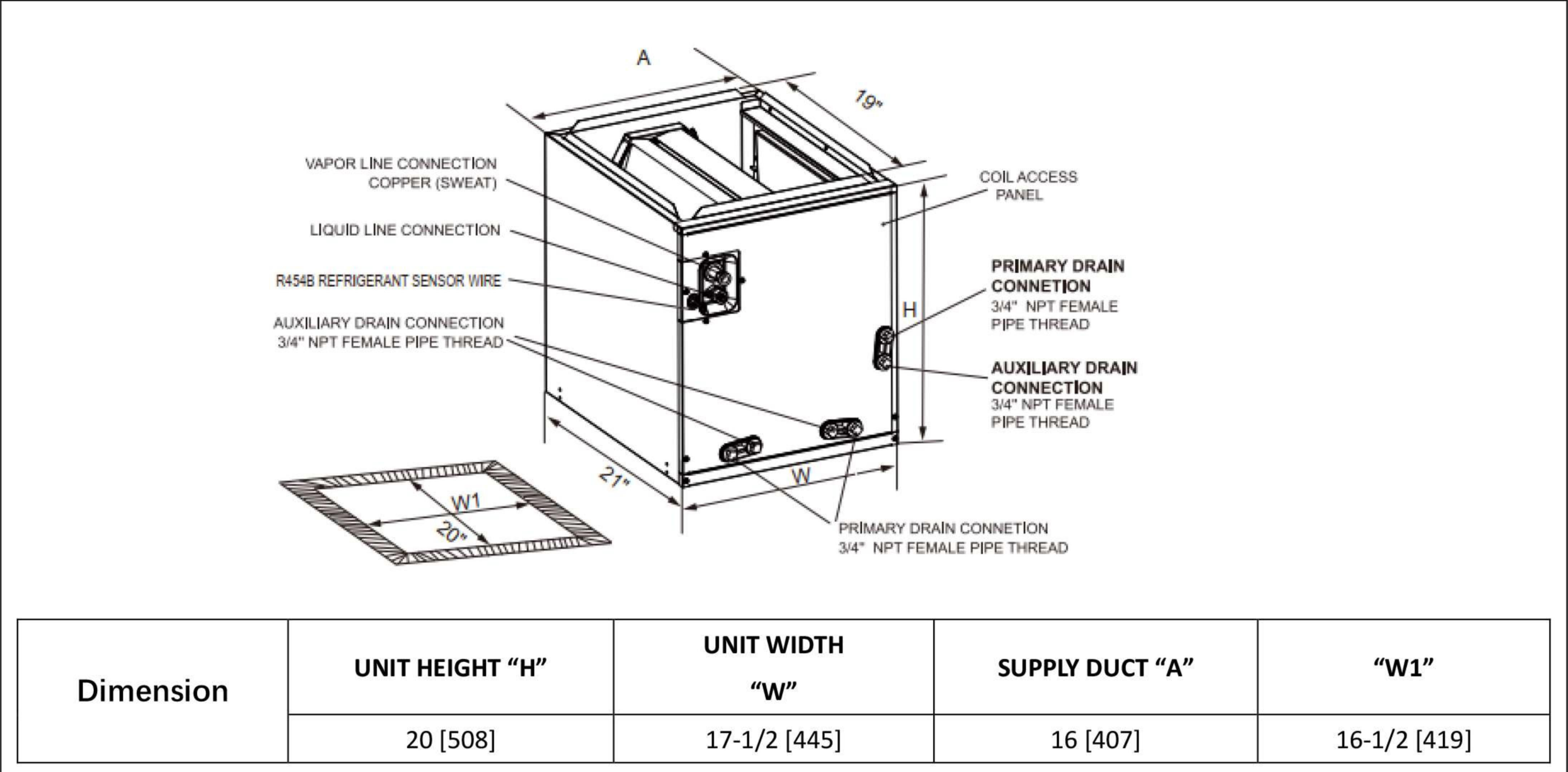


Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.

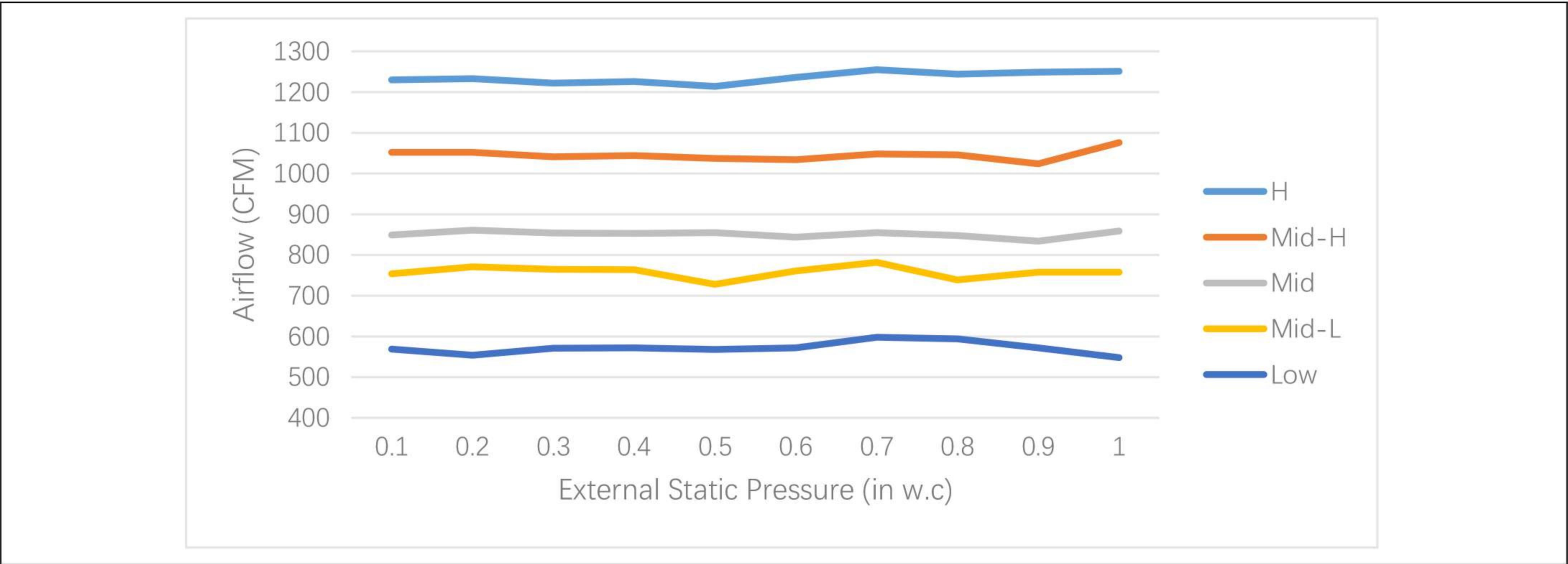


Acoils Dimensional Drawing:

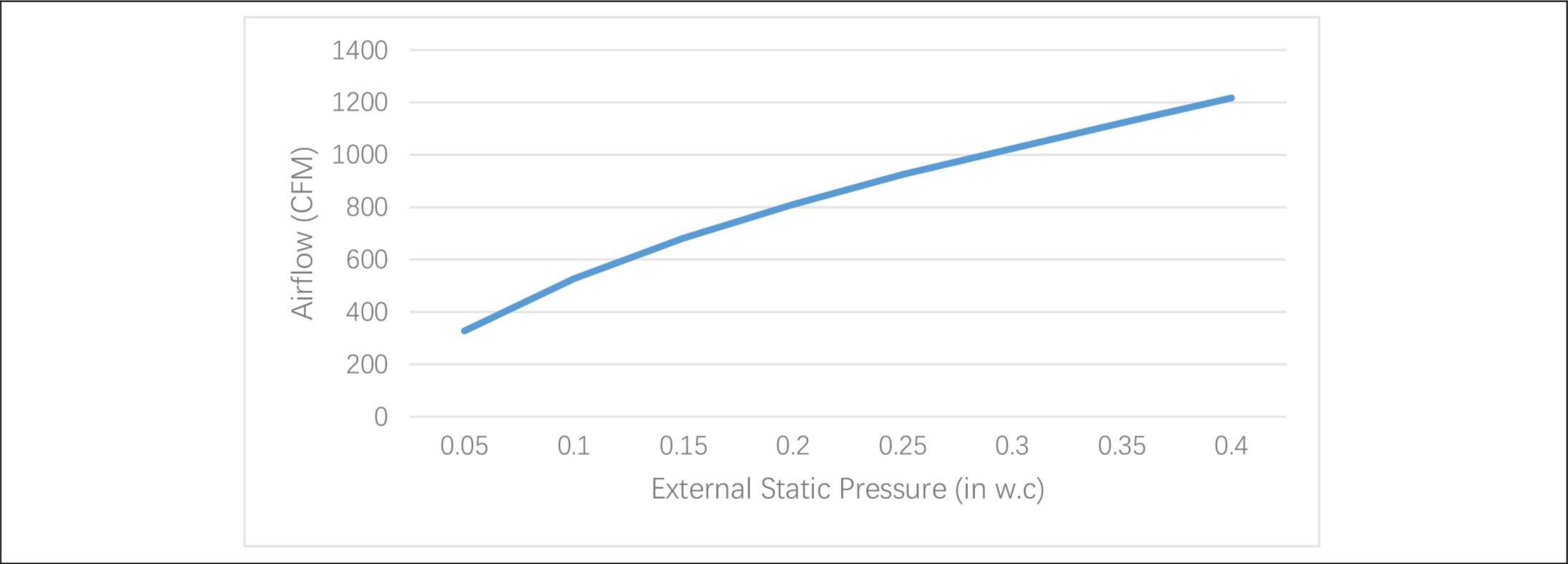
Unit (in)



Furnace Fan Performance



Acoils Fan Performance



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Outdoor Unit Dimensional Drawing:

Unit (in.)

