

|               |  |
|---------------|--|
| Project Name: |  |
| Location:     |  |
| Engineer:     |  |
| Submitted to: |  |
| Submitted by: |  |
| Reference:    |  |

|               |  |
|---------------|--|
| Approval:     |  |
| Date:         |  |
| Construction: |  |
| Unit #:       |  |
| Drawing #:    |  |
|               |  |

|               |             |
|---------------|-------------|
| Indoor model  | CPA-24B     |
| Outdoor model | CPP024CD(O) |



### PERFORMANCE DATA

|                              |         |                              |
|------------------------------|---------|------------------------------|
| <b>Power supply</b>          | Ph-V-Hz | 208/230V,1Ph,60Hz            |
| <b>Cooling</b>               |         |                              |
| Capacity                     | Btu/h   | 24000                        |
| Input                        | W       | 1920                         |
| Rated current                | A       | 9.2                          |
| EER                          | Btu/W   | 12.5                         |
| SEER                         |         | 21                           |
| <b>Heating</b>               |         |                              |
| Capacity                     | Btu/h   | 24400                        |
| Input                        | W       | ---                          |
| HSPF4                        |         | 11                           |
| HSPF5                        |         | 9.5                          |
| MINIMUM CIRCUIT AMPACITY     | A       | 18                           |
| MAX.FUSE                     | A       | 25                           |
| Moisture Removal             | L/h     | 2.6                          |
| Starting current             | A       | ---                          |
| Rated current(RLA)           | A       | 12                           |
| Locked rotor Amp(LRA)        | A       | ---                          |
| Thermal protector            |         | ---                          |
| Thermal protector position   |         | EXTERNAL                     |
| Capacitor                    | uF      | ---                          |
| Refrigerant oil              | ml      | POE(VG74)/670                |
| <b>Connection wiring</b>     |         | 16AWG*4 Stranded, unshielded |
| Thermostat type              |         | Wire controller              |
| <b>Operation temperature</b> |         |                              |
| Indoor(cooling/ heating)     | Deg. F  | 62~90/32~86                  |
| Outdoor(cooling/heating)     | Deg. F  | -13~122/ -13~86              |

### INDOOR UNIT DATA

|                         |        |             |
|-------------------------|--------|-------------|
| <b>Indoor fan motor</b> |        |             |
| RLA                     | A      | 1.5         |
| LRA                     | A      | ---         |
| Winding Resistance      | Ω      | ---         |
| Capacitor               | uF     | /           |
| Speed(Hi/Mi/Lo)         | r/min  | 880/820/690 |
| Sound dB (Hi/Mi/Lo)     |        | 44/40/35    |
| Static Pressure         | In. WG | 0-0.64      |
| <b>Indoor unit</b>      |        |             |
| Dimension(W*D*H)        | inch   | 43x30x10    |
| Packing (W*D*H)         | inch   | 51x32x12    |
| Net/Gross weight        | lbs.   | 51x32x12    |

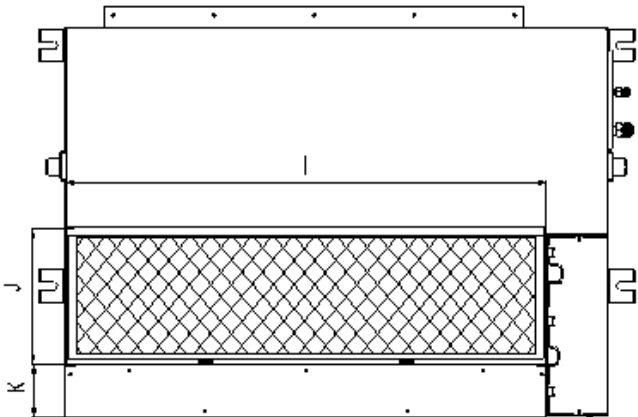
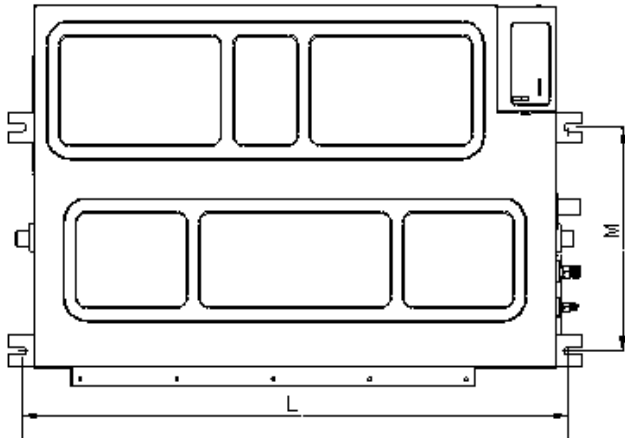
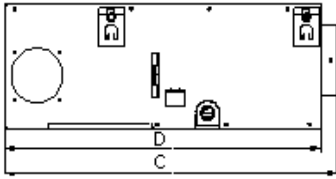
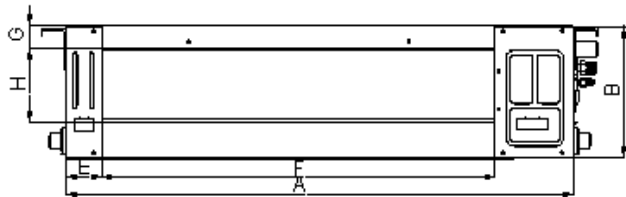
### OUTDOOR UNIT DATA

|                          |       |                   |
|--------------------------|-------|-------------------|
| <b>Outdoor fan motor</b> |       |                   |
| RLA                      | A     | ---               |
| LRA                      | A     | ---               |
| Winding Resistance       | Ω     | ---               |
| Capacitor                | uF    | ---               |
| Speed                    | r/min | ---               |
| <b>Outdoor unit</b>      |       |                   |
| Dimension(W*D*H)         | inch  | 37.24x16.14x31.89 |
| Packing (W*D*H)          | inch  | 42.91x19.69x34.45 |
| Net/Gross weight         | lbs.  | 136.69/148.59     |

### SYSTEM DATA

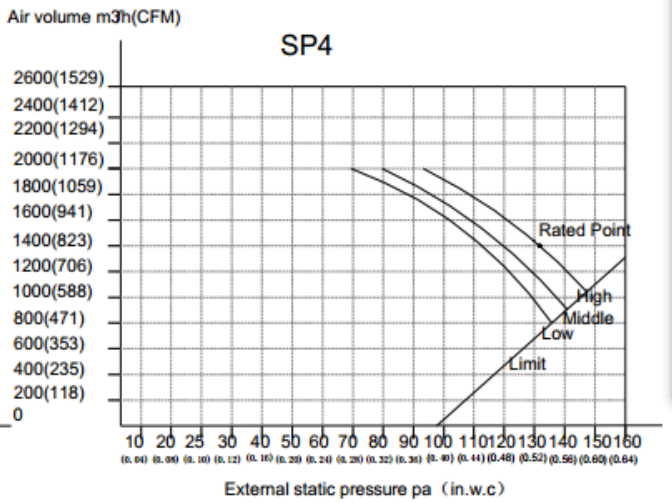
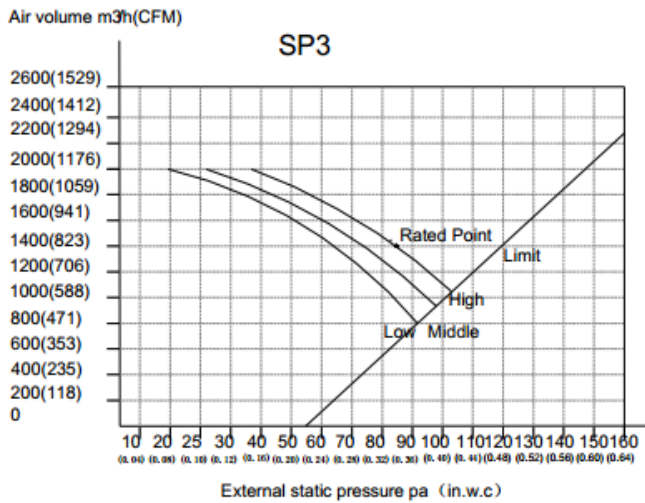
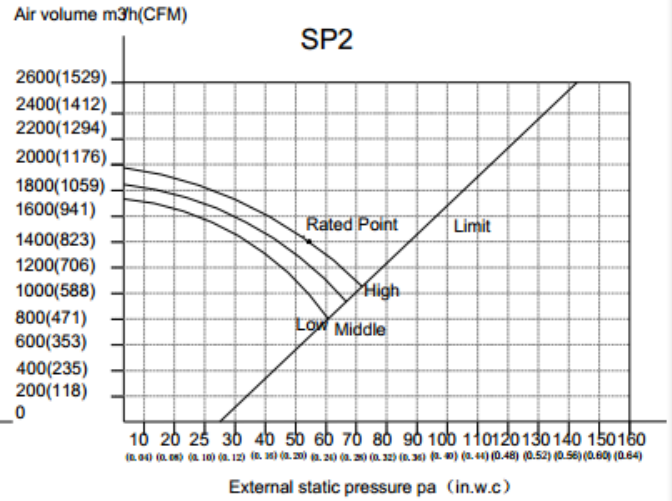
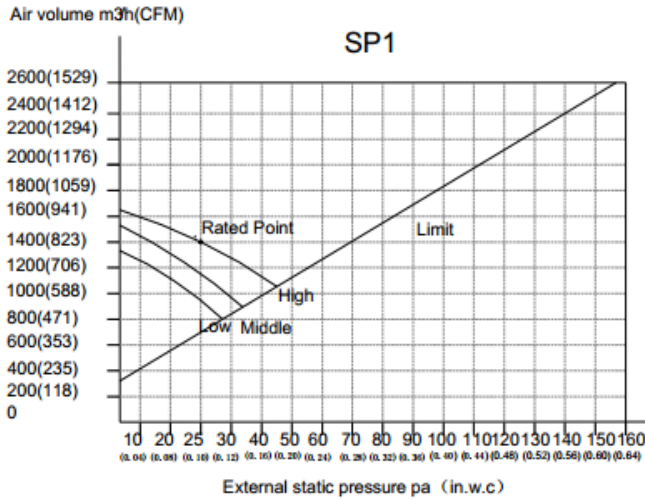
|                              |          |                        |
|------------------------------|----------|------------------------|
| Refrigerant type             | oz       | R410A/82.9             |
| Additional Refrigerant/ft.   | oz       | 0.32                   |
| Design pressure              | PSIG     | 550/340                |
| <b>Refrigerant piping</b>    |          |                        |
| Liquid side/ Gas side        | mm(inch) | Φ9.52/Φ15.9(3/8"/5/8") |
| Max. refrigerant pipe length | ft       | 164                    |
| Max. difference in level     | ft.      | 82                     |

**INDOOR UNIT**

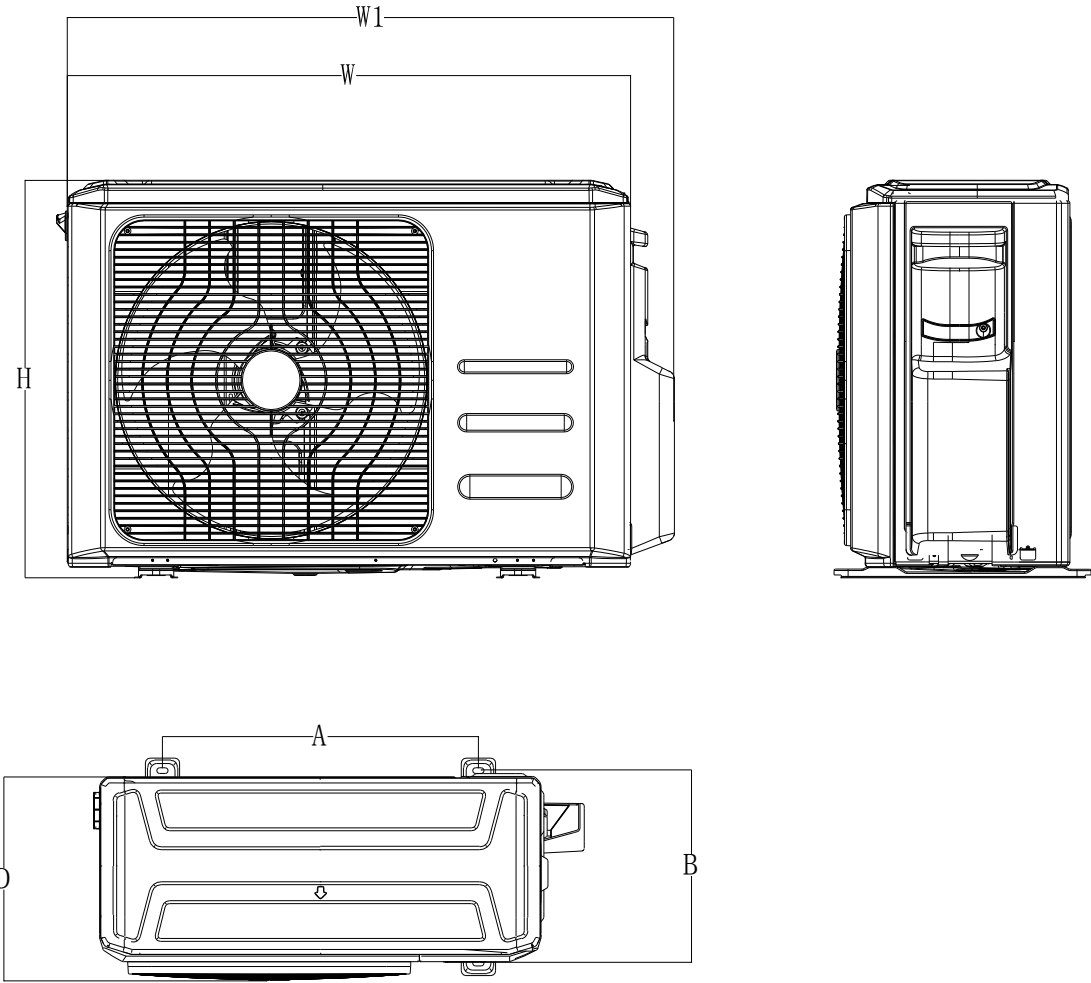


| Capacity (Btu) | Outline dimension(mm) |     |     |     | Air outlet opening size |     |    |     | Air return opening size |     |   | Size of outline dimension mounted plug |     |
|----------------|-----------------------|-----|-----|-----|-------------------------|-----|----|-----|-------------------------|-----|---|--|-----|
|                | A                     | B   | C   | D   | E                       | F   | G  | H   | I                       | J   | K | L                                      | M   |
| 24000          | 1100                  | 249 | 774 | 700 | 140                     | 926 | 50 | 175 | 1001                    | 228 | 5 | 1140                                   | 598 |

**Air flow**



**OUTDOOR UNIT**



| SIZE | W    | D    | H    | W1   | A    | B    |
|------|------|------|------|------|------|------|
| inch | 37.2 | 16.1 | 31.9 | 40.6 | 26.5 | 15.9 |