

# ComfortStar® SUBMITTAL DATA SHEET

Model Number: CTT09CD(I) (35C)

## High Wall Heat Pump System

|               |               |
|---------------|---------------|
| Location:     | Approval:     |
| Engineer:     | Date:         |
| Submitted to: | Construction: |
| Submitted by: | Unit #:       |
| Reference:    | Drawing #:    |



### INDOOR SPECIFICATION

|   |      |                            |
|---|------|----------------------------|
| Indoor air circulation (CFM)              |      | 342/270/235/200/152        |
| Indoor Noise Level (Turbo/H/M/L/Si) (dBA) |      | 43/41/36/31/29             |
| Dimension<br>(W×D×H)                      | inch | 31-7/8" x 11-1/2" x 8"     |
|   | mm   | 811×292×203                |
| Package<br>(W×D×H)                        | inch | 34 -7/8"×14 -3/8"×10 -7/8" |
|   | mm   | 885×366×275                |
| Net/Gross Weight                          | lbs  | 19.8                       |
|   | kg   | 9                          |

### ELECTRICAL

|                                  |  |
|----------------------------------|--|
| Power Supply                     | 208/230V~/60Hz/1P                      |
| System MCA                       | 0.6                                    |
| Connection Wiring                | 4×16AWG                                |
| System MOCP                      | 15                                     |
| Indoor Fan Motor RLA             | 0.3                                    |
| Indoor Fan Motor W               | 23.0                                   |
| System Power Input @ Cooling (W) | 750                                    |
| System Power Input @ Heating (W) | 750                                    |
| MCA: Min. circuit amps (A)       | MOCP: Max. over current protection (A) |
| RLA: Rated load amps (A)         | W: Fan motor rated output (W)          |
|                                  |  |
|                                  |  |

### EFFICIENCY

| Cooling |   | Heating |          |
|---------|---|---------|----------|
| SEER2   | / | HSPF2-4 | 8.5-10   |
| EER2    | / | COP     | 2.1-3.81 |

### PERFORMANCE of Cooling

| Cooling (Btu/hr)                |   |
|---------------------------------|---|
| Rated Capacity                  | 9000  |
| Min/Max Capacity                | 2050~10900  |
| Moisture Removal(L/h)           | 1.1   |
| Standard Operating Range(°F/°C) | >=62/>=17   |
| Conditions:                     | Indoor: 80°F DB/67°F WB<br>Outdoor: 95°F DB/75°F WB |

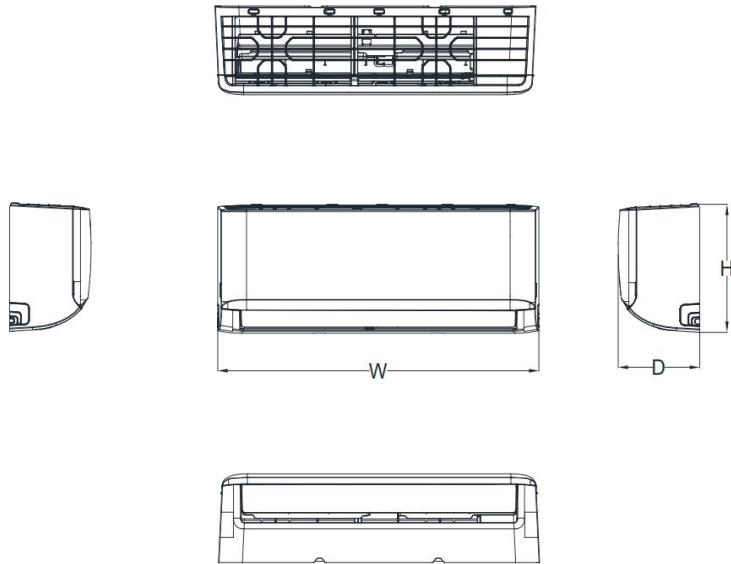
### PERFORMANCE of Heating

| Heating (Btu/hr)                |   |
|---------------------------------|---|
| 1. @ 47°F Rated                 | 10000   |
| 1. @ 47°F Min/Max Capacity      | 2050~12200  |
| 2. @ 17°F Rated                 | 5800  |
| 3. @ 5°F Rated: Capacity / COP  | 2.1   |
| 3. @ 5°F Max: Capacity          | 7400  |
| Standard Operating Range(°F/°C) | <=86/<=30   |
| 1. Conditions:                  | Indoor: 70°F DB/60°F WB<br>Outdoor: 47°F DB/43°F WB |
| 2. Conditions:                  | Indoor: 70°F DB/60°F WB<br>Outdoor: 17°F DB/15°F WB |
| 3. Conditions:                  | Indoor: 70°F DB/60°F WB<br>Outdoor: 5°F DB/5°F WB   |

### PIPING

|   |               |
|---|---------------|
| Liquid Size                             | 6.35mm(1/4in) |
| Gas Size                                | 9.52mm(3/8in) |
| Max. Piping Length(ft)                  | 49            |
| Max. Height Difference(ft)              | 33            |
| Max. Pre-charged Length(ft/m)           | 25/7.5        |
| Refrigerant Pre-charged Amount(oz/g)    | 23.28/660     |
| Additional Charge of Refrigerant(oz/ft) | 10 / 0.11     |
| Connection Method                       | 4×16AWG       |
|   |               |
|   |               |

## Indoor Unit Dimension



| Model      | W(inch) | D(inch) | H(inch) |
|------------|---------|---------|---------|
| CTT09CD(I) | 31-7/8  | 8       | 11-1/2  |
| CTT12CD(I) | 31-7/8  | 8       | 11-1/2  |
| CTT18CD(I) | 39-3/4  | 8-5/8   | 12-3/8  |
| CTT24CD(I) | 46-7/8  | 10-1/4  | 14-1/8  |