

# SUBMITTAL DATA SHEET

**ComfortStar®**

| CIP18CD-HTJ                                                                                          |                                                                                            |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Location: _____<br>Engineer: _____<br>Submitted to: _____<br>Submitted by: _____<br>Reference: _____ | Approval: _____<br>Date: _____<br>Construction: _____<br>Unit #: _____<br>Drawing #: _____ |

|                    |                                                                                   |
|--------------------|-----------------------------------------------------------------------------------|
| <b>Set Model</b>   |                                                                                   |
| Indoor unit model  | CIP18CD-HTJ(I)                                                                    |
| Outdoor unit model | CIP18CD-HTJ(O)                                                                    |
| <b>Certified</b>   |                                                                                   |
| AHRI               |  |
| UL                 |  |



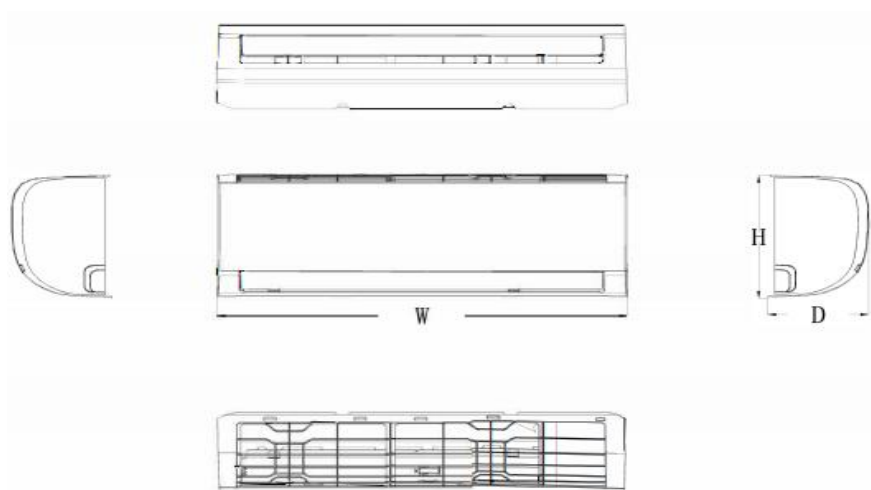
| SYSTEM PERFORMANCE DATA           |            |                     |  |
|-----------------------------------|------------|---------------------|--|
| Power supply                      | V-Ph-Hz    | 208/230V_ 60Hz, 1Ph |  |
| Rated cooling capacity            | Btu/h      | 17000(6900~19600)   |  |
| Rated heating capacity            | Btu/h      | 18000(4480~18800)   |  |
| EER                               | Btu/W.h    | 9.9                 |  |
| SEER                              | Btu/W.h    | 16.8                |  |
| SEER2                             | Btu/W.h    | 18.3                |  |
| COP                               | W/W        | 3.07                |  |
| HSPF4                             | Btu/W.h    | 8.7                 |  |
| HSPF5                             | Btu/W.h    | 6.7                 |  |
| Rated input                       | Cooling(W) | 1720(190~1570)      |  |
|                                   | Heating(W) | 1720(320~1670)      |  |
| Rated current                     | Cooling(A) | 10                  |  |
|                                   | Heating(A) | 7.5(2.28~7.3)       |  |
| MINIMUM CIRCUIT AMPACITY(Indoor)  | A          | 3.0                 |  |
| MINIMUM CIRCUIT AMPACITY(Outdoor) | A          | 15                  |  |
| Moisture removal                  | Liters/h   | 2.04                |  |

| REFRIGERANT PIPE DATA        |          |                             |  |
|------------------------------|----------|-----------------------------|--|
| Refrigerant                  | oz       | 48.0                        |  |
| <b>Compressor</b>            |          |                             |  |
| Model                        |          | KSN140D21UFZ                |  |
| Type                         |          | ROTARY                      |  |
| Brand                        |          | GMCC                        |  |
| Capacity                     | W        | 4385                        |  |
| Input                        | W        | 1140                        |  |
| Rated current(RLA)           | A        | 7.5                         |  |
| Refrigerant oil/oil charge   | ml       | VG74 440                    |  |
| <b>Refrigerant piping</b>    |          |                             |  |
| Liquid side/ Gas side        | mm(inch) | 6.35mm(1/4in)/12.7mm(1/2in) |  |
| Max. refrigerant pipe length | m        | 30                          |  |
|                              | ft       | 98.42                       |  |
| Max. difference in level     | m        | 20                          |  |
|                              | ft       | 65.62                       |  |

| INDOOR UNIT DATA                    |       |                        |  |
|-------------------------------------|-------|------------------------|--|
| Indoor air flow<br>(Turbo/Hi/Mi/Lo) | m3/h  | 0/788/628/468          |  |
|                                     | CFM   | //463.53/369.41/275.29 |  |
| Indoor noise level (Hi/Mi/Lo)       | dB(A) | 44/38/30               |  |
| <b>Indoor fan motor</b>             |       |                        |  |
| Model                               |       | YKFG-28-4-6-5          |  |
| Input                               | W     | 58.5                   |  |
| RLA                                 | A     | 0.66                   |  |
| Capacitor                           | uF    | 1.5                    |  |
| Speed(Hi/Mi/Lo)                     | r/min | 1200/1000/800          |  |
| <b>INDOOR UNIT PACKING</b>          |       |                        |  |
| Dimension(W*D*H)                    | mm    | 957x213x302            |  |
|                                     | inch  | 37.68x8.39x11.89       |  |
| Packing (W*D*H)                     | mm    | 1035x305x380           |  |
|                                     | inch  | 40.75x12.01x14.96      |  |
| Net/Gross weight                    | kg    | 10.4/12.5              |  |
|                                     | lb    | 22.93/27.56            |  |

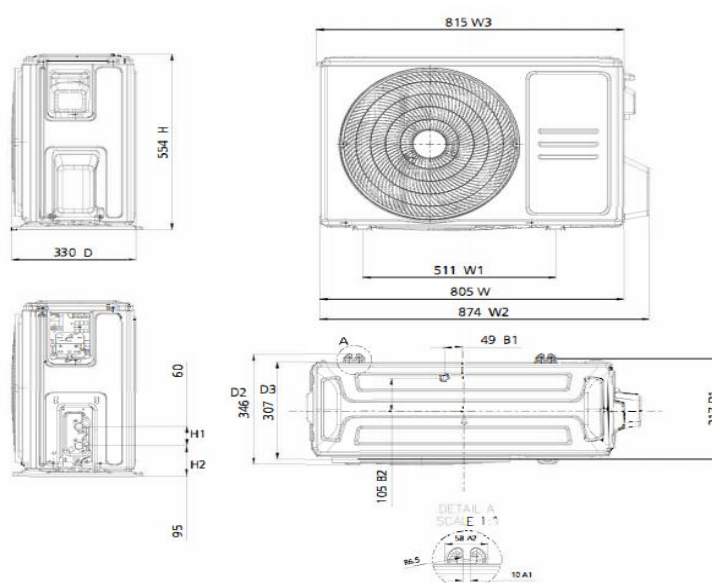
| OUTDOOR UNIT DATA           |       |                   |  |
|-----------------------------|-------|-------------------|--|
| Outdoor air flow            | m3/h  | 2100              |  |
|                             | CFM   | 1235.29           |  |
| Outdoor noise level         | dB(A) | 57                |  |
| <b>Outdoor fan motor</b>    |       |                   |  |
| Model                       |       | ZKFN-34-10-1      |  |
| RLA                         | A     | 0.82              |  |
| Speed                       | r/min | 1200/700          |  |
| <b>OUTDOOR UNIT PACKING</b> |       |                   |  |
| Dimension(W*D*H)            | mm    | 765x303x555       |  |
|                             | inch  | 30.12x11.93x21.85 |  |
| Packing (W*D*H)             | mm    | 885x375x605       |  |
|                             | inch  | 34.84x14.76x23.82 |  |
| Net/Gross weight            | kg    | 29.1/32.6         |  |
|                             | lb    | 64.15/71.87       |  |

# Indoor unit dimension



| Capacity | Body Code | W(mm) | D(mm) | H(mm) |
|----------|-----------|-------|-------|-------|
| 5K~11K   | A         | 715   | 194   | 285   |
| 9K~14K   | B         | 805   | 194   | 285   |
| 17K~18K  | C         | 957   | 213   | 302   |
| 18K~24K  | D         | 1040  | 220   | 327   |

# Outdoor unit dimension



(The figure is for reference only)

| Dimension(inch) | W     | D     | H     |
|-----------------|-------|-------|-------|
| CIP09CA-HTJ(O)  | 28.35 | 10.63 | 19.49 |
| CIP12CA-HTJ(O)  | 28.35 | 10.63 | 19.49 |
| CIP09CD-HTJ(O)  | 28.35 | 10.63 | 19.49 |
| CIP12CD-HTJ(O)  | 28.35 | 10.63 | 19.49 |
| CIP18CD-HTJ(O)  | 30.12 | 11.93 | 21.85 |
| CIP24CD-HTJ(O)  | 35.04 | 13.46 | 26.50 |