

SUBMITTAL DATA SHEET

ComfortStar®

CH20-12CD-32

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

Set Model
 Indoor unit model CH20-12CD-32(I)
 Outdoor unit model CH20-12CD-32(O)

Certified


 AHRI


 AHRI CERTIFIED


 ETL


 Intertek


SYSTEM PERFORMANCE DATA

| | | |
|----------------------------------|------------|-------------------|
| Power supply | | 208/230V~/60Hz/1P |
| Rated cooling capacity | Btu/h | 12000 |
| Rated current | Cooling(A) | 5.4 |
| Rated input | Cooling(W) | 1240 |
| EER2 for cooling | Btu/W.h | 9.5 |
| SEER2 for cooling | Btu/W.h | 20 |
| Rated Heating capacity | Btu/h | 12000 |
| Rated current | Heating(A) | 4.9 |
| Rated input | Heating(W) | 1125 |
| HSPF2 Rating(Region IV) | Btu/W.h | 10 |
| HSPF2 Rating(Region V) | Btu/W.h | 8.5 |
| COP2 (47°F/8.3°C) | W/W | 3.3 |
| Max. Heating capacity(5°F/-15°C) | W/W | 8800 |
| COP2 (5°F/-15°C) | W/W | 1.8 |
| Max. Fuse size | A | 15 |
| Min. Circuit Ampacity | A | 11 |

INDOOR UNIT DATA

| | | |
|-------------------------------|--------|---------------------|
| Indoor air circulation- | m3/h | 580/460/400/340/260 |
| Turbo/Hi/Mid/Lo/Mute | CFM | 342/270/235/200/152 |
| Indoor noise level at cooling | dB(A) | 45/42/35/30/28 |
| Dimensions | mm | 811×198×292 |
| | Inches | 31.93×7.8×11.5 |
| Net weight | kg | 8.5 |
| | Lbs. | 18.7 |
| Packing dimensions | mm | 885×275×366 |
| | Inches | 34.84×10.83×14.41 |
| Gross weight | kg | 11.0 |
| | Lbs. | 24.3 |

REFRIGERANT PIPE DATA

| | | |
|-------------------------------|--------------|-----------|
| Refrigerant (R32) | g | 580 |
| | oz | 20.46 |
| Additional refrigerant charge | g/m | 10 |
| | oz/ft | 0.11 |
| Connecting Pipe | Gas(inch) | 3/8" |
| | Liquid(inch) | 1/4" |
| Max.refrigerant pipe length | m/ft | 15 / 50 |
| Max.difference in level | m/ft | 10 / 33 |
| Suitable area | sq.ft | Up to 280 |

OUTDOOR UNIT DATA

| | | |
|---------------------|--------|-------------------|
| Outdoor noise level | dB(A) | 55 |
| Dimensions | mm | 800×305×551 |
| | Inches | 31.5×12.01×21.69 |
| Net weight | kg | 23.5 |
| | Lbs. | 51.8 |
| Packing dimensions | mm | 852×358×600 |
| | Inches | 33.54×14.09×23.62 |
| Gross weight | kg | 28.0 |
| | Lbs. | 61.7 |

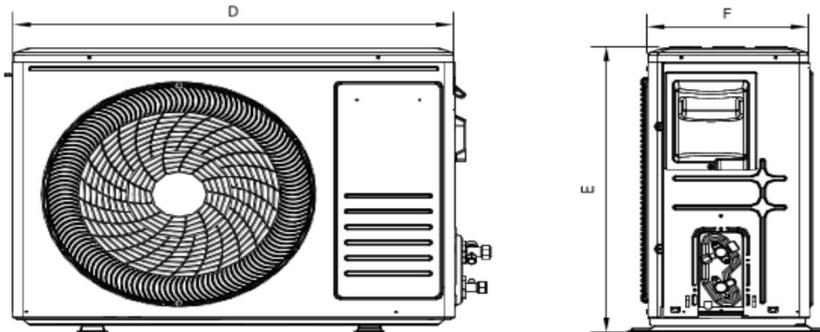
Indoor unit dimension



(The figure is for reference only)

| Model | A (inch) | B (inch) | C (inch) |
|-----------------|----------|----------|----------|
| CH20-09CA-32(I) | 31.93 | 7.99 | 11.50 |
| CH20-12CA-32(I) | 31.93 | 7.80 | 11.50 |
| CH20-09CD-32(I) | 31.93 | 7.99 | 11.50 |
| CH20-12CD-32(I) | 31.93 | 7.80 | 11.50 |
| CH20-18CD-32(I) | 35.83 | 8.11 | 11.57 |
| CH20-24CD-32(I) | 39.76 | 8.66 | 12.40 |
| CH20-36CD-32(I) | 46.89 | 10.16 | 14.17 |

Outdoor unit dimension



(The figure is for reference only)

| Model | D (inch) | E (inch) | F (inch) |
|-----------------|----------|----------|----------|
| CH20-09CA-32(O) | 30.98 | 19.61 | 11.42 |
| CH20-12CA-32(O) | 31.50 | 21.69 | 12.01 |
| CH20-09CD-32(O) | 30.98 | 19.61 | 11.42 |
| CH20-12CD-32(O) | 31.50 | 21.69 | 12.01 |
| CH20-18CD-32(O) | 33.54 | 23.70 | 13.74 |
| CH20-24CD-32(O) | 36.10 | 27.56 | 14.76 |
| CH20-36CD-32(O) | 38.50 | 31.61 | 16.57 |