

SUBMITTAL DATA SHEET


ComfortStar®


| FPA-18/CZP18CD(O) | 18,000 BTU/H(208/230V) Wall Mounted Heat Pump System |
|---------------------|--|
| Location: _____ | Approval: _____ |
| Engineer: _____ | Date: _____ |
| Submitted to: _____ | Construction: _____ |
| Submitted by: _____ | Unit #: _____ |
| Reference: _____ | Drawing #: _____ |

Set Model

Indoor unit model FPA-18
 Outdoor unit model CZP18CD(O)

Certified

AHRI 

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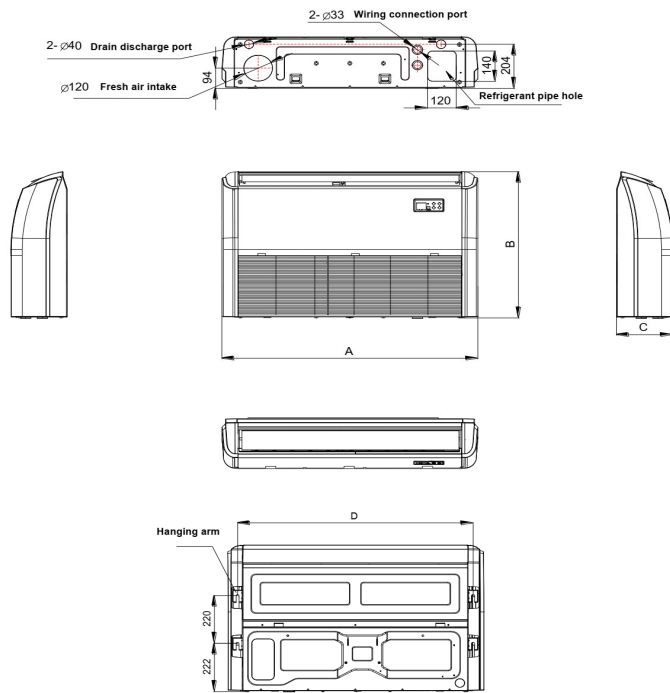


| SYSTEM PERFORMANCE DATA | | |
|--|--|------------------------------|
| Power supply | | |
| Normal Operational Voltage (V, Ph, Hz) | | 208/230, 1, 60 |
| Voltage Range (V) | | 187-253 |
| Electrical | | |
| Minimum circuit ampacity (A) | | 17.0 |
| Max.fuse (A) | | 25.0 |
| Connection wiring | | 14AWG*4 Stranded, unshielded |
| Cooling | | |
| Rated Capacity (Btu/h) | | 18000 |
| Capacity Range (Btu/h) | | 6200~18000 |
| Power Input (Max) (W) | | 1450 |
| Rated current (A) | | 6.29 |
| SEER2 (Btu/W) | | 23.0 |
| EER2 (Btu/W) | | 12.5 |
| Heating at 47F | | |
| Rated Capacity (Btu/h) | | 20000 |
| Capacity Range (Btu/h) | | 8100~20000 |
| Power Input (Max) (W) | | 2010 |
| Rated current (A) | | 8.51 |
| HSPF2-4 (Btu/W) | | 10.0 |
| HSPF2-5 (Btu/W) | | 7.7 |
| COP W/W | | 2.92 |
| Heating at 17F | | |
| Max Capacity (Btu/h) | | 14200 |
| REFRIGERANT PIPE DATA | | |
| Design pressure (PSIG) | | 550/340 |
| Refrigerant Type (Oz) | | R410A/56.44 |
| Refrigerant precharge (ft) | | 25.0 |
| | | (m) 7.6 |
| Additional charge for each ft (oz/ft) | | 0.16 |
| | | (g/ft) 15 |
| Liquid side/ Gas side (inch) | | 1/4" / 1/2" |
| | | (mm) 6.35/12.7 |
| Max. pipe length (ft) | | 98.0 |
| | | (m) 30.0 |
| Max. difference in level (ft) | | 66.0 |
| | | (m) 20.0 |
| Connection method | | (Flared) |
| Indoor(cooling/ heating) (Deg. °F) | | 60~90 / 32~86 |
| | | (Deg. °C) 16~32 / 0~30 |
| Outdoor(cooling/heating) (Deg. °F) | | -13~122 / -13~75 |
| | | (Deg. °C) -25~50 / -25~24 |
| Application area (sq.ft) | | 258.33~376.74 |
| | | (m2) 24~35 |

| INDOOR UNIT DATA | | |
|--|--|----------------------|
| Indoor fan motor | | |
| Type | | Cross-Flow |
| Model | | ZKFN-90-8-1 |
| Qty | | 1 |
| Input (W) | | 96.0 |
| RLA (A) | | -- |
| LRA (A) | | -- |
| Winding Resistance (Ω) | | -- |
| Capacitor (uF) | | -- |
| Speed(Hi/Mi/Lo) (r/min) | | 950/850/750 |
| Air flow & Noise level | | |
| Indoor air flow (Hi/Med/Lo) (CFM) | | 548.24/485.29/420.59 |
| Indoor noise level (Hi/Med/Lo) [dB(A)] | | 48/44.5/41 |
| Dehumidification (Pint/H) | | |
| | | -- |
| Indoor unit | | |
| Dimension (WxDxH) (inch) | | 42.05x26.57x9.25 |
| | | (mm) 1068x675x235 |
| Packing(WxDxH) (inch) | | 45.08x29.72x12.52 |
| | | (mm) 1145x755x318 |
| Net/Gross weight (lbs.) | | 57.10/68.34 |
| | | (kg) 25.9/31 |

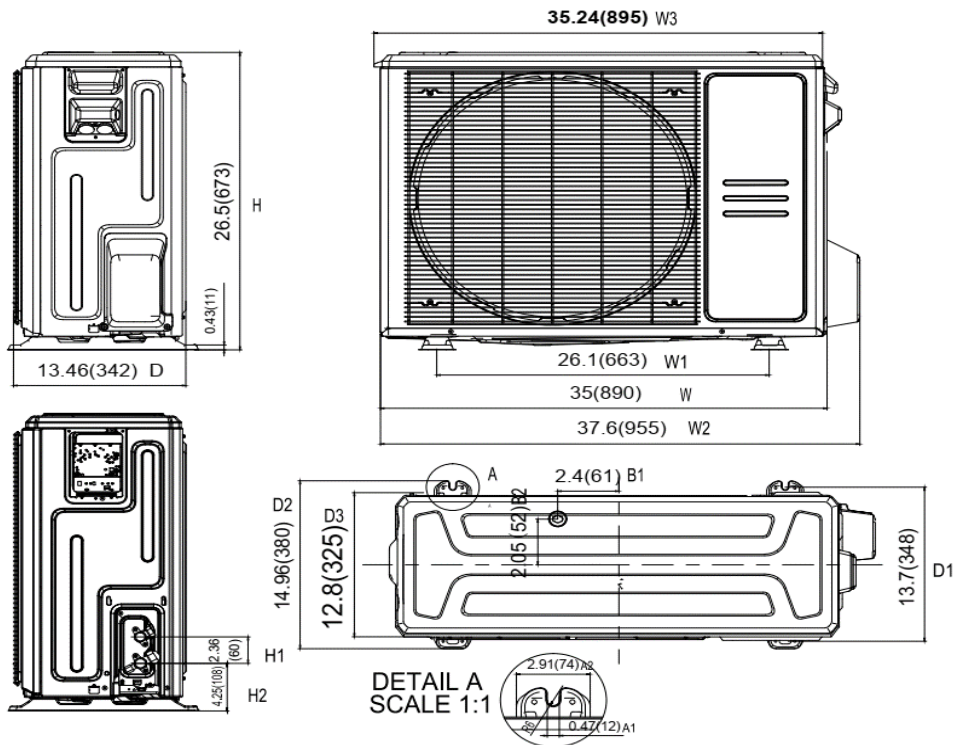
| OUTDOOR UNIT DATA | | |
|-----------------------------------|--|-------------------|
| Compressor | | |
| Type | | KSN140D58UFZ |
| Model | | ROTARY |
| Brand | | GMCC |
| Capacity (Btu/h) | | 14723.39115 |
| Input (W) | | 1090 |
| Rated current (RLA) (A) | | -- |
| Refrigerant oil/oil charge (ml) | | -- |
| Throttle | | Capillary +EXV |
| Outdoor fan motor | | |
| Model | | ZKFN-80-8-3 |
| Qty | | 1 |
| Input (W) | | -- |
| RLA (A) | | -- |
| Speed (r/min) | | 810/720 |
| Air flow & Noise level | | |
| Outdoor air flow (Max.) (CFM) | | 1764.70 |
| Outdoor noise level [dB(A)] | | 58 |
| Outdoor unit | | |
| Dimension (W×D×H) (inch) | | 35.04x13.46x26.50 |
| | | (mm) 890x342x673 |
| Packing (W×D×H) (inch) | | 39.17x15.67x29.13 |
| | | (mm) 995x398x740 |
| Net/ Gross weight (lbs.) | | 95.02/101.85 |
| | | (kg) 43.1/46.2 |

Indoor unit dimension



| Capacity (Btu/h) | Unit | A | B | C | D |
|------------------|------|-------|-------|------|-------|
| 18K / 24K | mm | 1068 | 675 | 235 | 983 |
| | inch | 42.05 | 26.57 | 9.25 | 38.70 |
| 36K | mm | 1285 | 675 | 235 | 1200 |
| | inch | 50.59 | 26.57 | 9.25 | 47.24 |
| 48K/60K | mm | 1650 | 675 | 235 | 1565 |
| | inch | 64.96 | 26.57 | 9.25 | 61.61 |

Outdoor unit dimension



General Features

Wired controller(optional)

Weekly-time wired controller(optional)

Central controller

Long distance Alarm and ON/OFF controller(optional)

Build-in pump(optional)

3D airflow

Extended Performance Data