

SUBMITTAL DATA SHEET



|                          |                               |                                      |
|--------------------------|-------------------------------|--------------------------------------|
| <b>TIP-48/CZP48CD(O)</b> | <b>48,000 BTU/H(208/230V)</b> | <b>Wall Mounted Heat Pump System</b> |
| Location: _____          | Approval: _____               |                                      |
| Engineer: _____          | Date: _____                   |                                      |
| Submitted to: _____      | Construction: _____           |                                      |
| Submitted by: _____      | Unit #: _____                 |                                      |
| Reference: _____         | Drawing #: _____              |                                      |

**Set Model**  
 Indoor unit model TIP-48  
 Outdoor unit model CZP48CD(O)

**Certified**

AHRI

CSA



**SYSTEM PERFORMANCE DATA**

|                            |             |                            |
|----------------------------|-------------|----------------------------|
| <b>Power supply</b>        |             |                            |
| Normal Operational Voltage | (V, Ph, Hz) | 208/230, 1, 60             |
| Voltage Range              | (V)         | 187-253                    |
| <b>Electrical</b>          |             |                            |
| Minimum circuit ampacity   | (A)         | 36.5                       |
| Max.fuse                   | (A)         | 50.0                       |
| Connection wiring          |             | 14AWG*2 Stranded, shielded |
| <b>Cooling</b>             |             |                            |
| Rated Capacity             | (Btu/h)     | 48000                      |
| Capacity Range             | (Btu/h)     | 16600-48000                |
| Power Input (Max)          | (W)         | 5053                       |
| Rated current              | (A)         | 23.1                       |
| SEER                       | (Btu/W)     | 17.8                       |
| EER                        | (Btu/W)     | 9.5                        |

|                       |         |             |
|-----------------------|---------|-------------|
| <b>Heating at 47F</b> |         |             |
| Rated Capacity        | (Btu/h) | 50000       |
| Capacity Range        | (Btu/h) | 11850-52000 |
| Power Input (Max)     | (W)     | 4727        |
| Rated current         | (A)     | 21.6        |
| HSPF4                 | (Btu/W) | 11.5        |
| HSPF5                 | (Btu/W) | 8.8         |
| COP                   | W/W     | 3.10        |

|                       |         |   |
|-----------------------|---------|---|
| <b>Heating at 17F</b> |         |   |
| Max Capacity          | (Btu/h) | 0 |

**REFRIGERANT PIPE DATA**

|                               |           |                 |
|-------------------------------|-----------|-----------------|
| Design pressure               | (PSIG)    | 550/340         |
| Refrigerant Type              | (Oz)      | R410A/158.7     |
| Refrigerant precharge         | (ft)      | 25.0            |
|                               | (m)       | 7.6             |
| Additional charge for each ft | (oz/ft)   | 0.32            |
|                               | (g/ft)    | 30              |
| Liquid side/ Gas side         | (inch)    | 3/8" / 5/8"     |
|                               | (mm)      | 9.52/15.9       |
| Max. pipe length              | (ft)      | 213.0           |
|                               | (m)       | 65.0            |
| Max. difference in level      | (ft)      | 98.0            |
|                               | (m)       | 30.0            |
| Connection method             |           | (Flared)        |
| Indoor(cooling/ heating)      | (Deg. °F) | 60~90 / 32~86   |
|                               | (Deg. °C) | 16~32 / 0~30    |
| Outdoor(cooling/heating)      | (Deg. °F) | 5~122 / 5~75    |
|                               | (Deg. °C) | -15~50 / -15~24 |
| Application area              | (sq.ft)   | 688.89~1011.81  |
|                               | (m2)      | 64~94           |

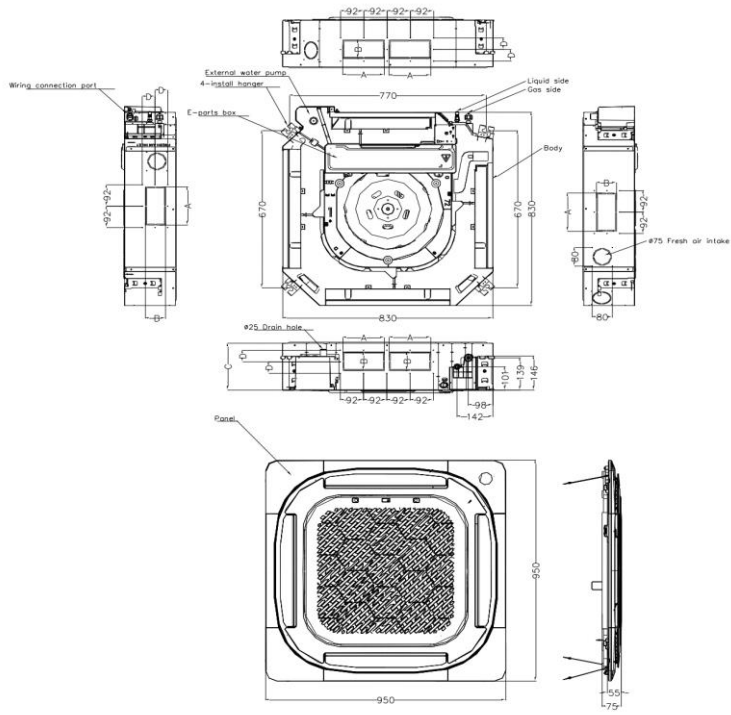
**INDOOR UNIT DATA**

|                                   |          |                   |
|-----------------------------------|----------|-------------------|
| <b>Indoor fan motor</b>           |          |                   |
| Type                              |          | Cross-Flow        |
| Model                             |          | ZKFN-125-8-1      |
| Qty                               |          | 1                 |
| Input                             | (W)      | 157.0             |
| RLA                               | (A)      | -                 |
| LRA                               | (A)      | ---               |
| Winding Resistance                | (Ω)      | ---               |
| Capacitor                         | (uF)     | ---               |
| Speed(Hi/Mi/Lo)                   | (r/min)  | 800/660/590       |
| <b>Air flow &amp; Noise level</b> |          |                   |
| Indoor air flow (Hi/Med/Lo) (No.) | (CFM)    | 1171/1059/935     |
| Indoor noise level (Hi/Med/Lo)    | [dB(A)]  | 55/53/50          |
| <b>Dehumidification</b>           |          |                   |
|                                   | (Pint/H) | ---               |
| <b>Indoor unit</b>                |          |                   |
| Dimension (WxDxH)                 | (inch)   | 32.68x32.68x11.30 |
|                                   | (mm)     | 830x830x287       |
| Packing(WxDxH)                    | (inch)   | 35.83x35.83x12.99 |
|                                   | (mm)     | 910x910x330       |
| Net/Gross weight                  | (lbs.)   | 64.59/74.07       |
|                                   | (kg)     | 29.3/33.6         |

**OUTDOOR UNIT DATA**

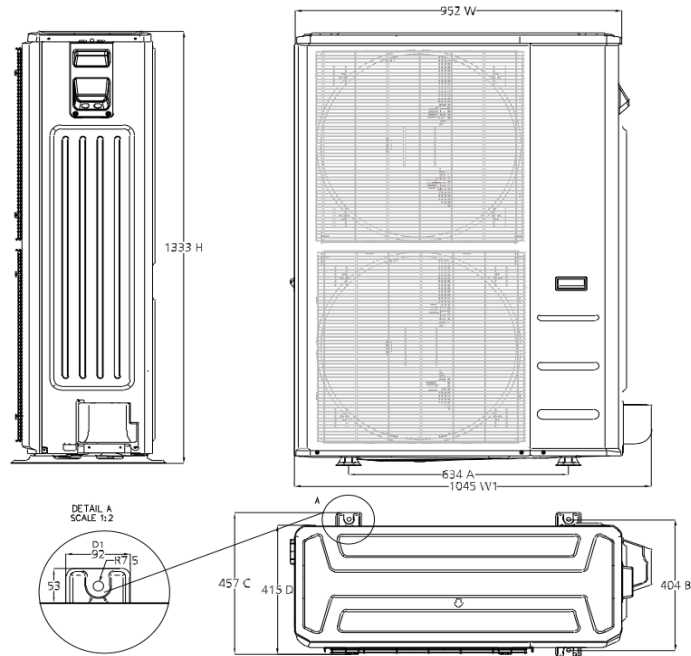
|                                   |         |                   |
|-----------------------------------|---------|-------------------|
| <b>Compressor</b>                 |         |                   |
| Type                              |         | KTQ420D1UMU       |
| Model                             |         | ROTARY            |
| Brand                             |         | GMCC              |
| Capacity                          | (Btu/h) | 44697             |
| Input                             | (W)     | 3420              |
| Rated current (RLA)               | (A)     | -                 |
| Refrigerant oil/oil charge        | (ml)    | INT01L-4639       |
| Throttle                          |         | Capillary +EXV    |
| <b>Outdoor fan motor</b>          |         |                   |
| Model                             |         | ZKFN-85-8-22      |
| Qty                               |         | 2                 |
| Input                             | (W)     | --                |
| RLA                               | (A)     | --                |
| Speed                             | (r/min) | 900/850/800/750   |
| <b>Air flow &amp; Noise level</b> |         |                   |
| Outdoor air flow (Max.)           | (CFM)   | 4500.00           |
| Outdoor noise level               | [dB(A)] | 63.5              |
| <b>Outdoor unit</b>               |         |                   |
| Dimension (WxDxH)                 | (inch)  | 37.48x16.34x52.48 |
|                                   | (mm)    | 952x415x1333      |
| Packing (WxDxH)                   | (inch)  | 43.11x19.49x58.27 |
|                                   | (mm)    | 1095x495x1480     |
| Net/ Gross weight                 | (lbs.)  | 219.14/249.12     |
|                                   | (kg)    | 99.4/113          |

Indoor unit dimension



| Capacity (Btu/h) | Unit | A   | B    | C     | D    |
|------------------|------|-----|------|-------|------|
| 24K              | mm   | 165 | 80   | 205   | 50   |
|                  | inch | 6.5 | 3.15 | 8.07  | 1.97 |
| 36K              | mm   | 165 | 100  | 245   | 60   |
|                  | inch | 6.5 | 3.64 | 9.65  | 2.36 |
| 48K              | mm   | 165 | 100  | 287   | 60   |
|                  | inch | 6.5 | 3.64 | 11.30 | 2.36 |

Outdoor unit dimension



**General Features**

Wireless Remote with LCD Display

Follow Me

Sleep

Timer

Self Clean

46F Heating

Silent

**Extended Performance Data**









