

## SUBMITTAL DATA SHEET

| A-Coil Heat Pump System                                                                              |                                                                                            |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Location: _____<br>Engineer: _____<br>Submitted to: _____<br>Submitted by: _____<br>Reference: _____ | Approval: _____<br>Date: _____<br>Construction: _____<br>Unit #: _____<br>Drawing #: _____ |

|                                                             |                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Set Code</b><br>Indoor unit code<br>Outdoor unit code    |                                                                                                                                                                                                                                                             |
| <b>Set Model</b><br>Indoor unit model<br>Outdoor unit model | AZPN/B36WACUID<br>AZPN/B36WDUID                                                                                                                                                                                                                             |
| <b>Certified</b>                                            |                                                                                                                                                                                                                                                             |
| AHRI<br>UL                                                  | <br><br> |



| SYSTEM PERFORMANCE DATA           |             |                     |  |
|-----------------------------------|-------------|---------------------|--|
| <b>Power supply</b>               |             |                     |  |
| Normal Operational Voltage        | (V, Ph, Hz) | 208/230V, 1Ph, 60Hz |  |
| Voltage Range                     | (V)         | 187-253             |  |
| <b>Electrical</b>                 |             |                     |  |
| Minimum circuit ampacity(Outdoor) | (A)         | 30                  |  |
| Max.fuse(Outdoor)                 | (A)         | 35                  |  |
| Connection wiring                 |             | N/A                 |  |
| <b>Cooling</b>                    |             |                     |  |
| Capacity                          | (Btu/h)     | 35000               |  |
| Power Input                       | (W)         | /                   |  |
| Current                           | (A)         | /                   |  |
| SEER2                             | (Btu/W)     | 15.2                |  |
| EER2                              | (Btu/W)     | 10.0                |  |
| <b>Heating</b>                    |             |                     |  |
| Capacity                          | (Btu/h)     | 36000               |  |
| Power Input                       | (W)         | /                   |  |
| Current                           | (A)         | /                   |  |
| HSPF2-4                           | (Btu/W)     | 8.5                 |  |
| HSPF2-5                           | (Btu/W)     | 6.6                 |  |
| COP                               | W/W         | /                   |  |
| Heat at 17F(H32)                  | (Btu/h)     | /                   |  |
| Heat at 5F(H42)                   | (Btu/h)     | 30000               |  |
| COP at 5F(H42)                    | W/W         | 1.80                |  |

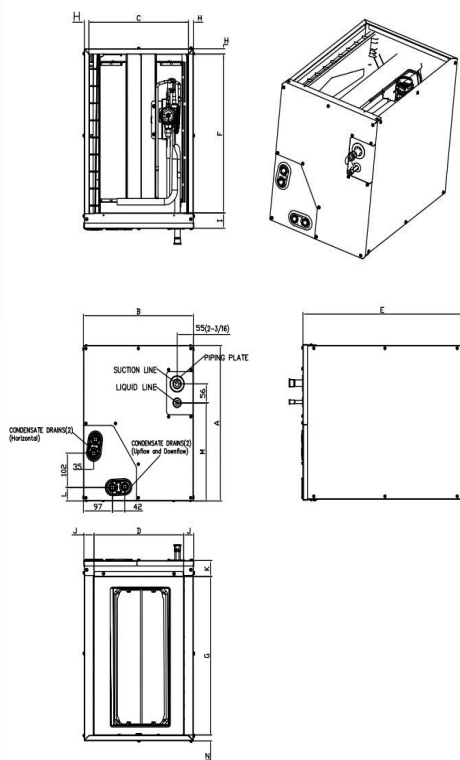
| REFRIGERANT PIPE DATA          |              |                 |  |
|--------------------------------|--------------|-----------------|--|
| Throttle type                  | Indoor unit  | TXV             |  |
|                                | Outdoor unit | EEV for heating |  |
| Design pressure                | (PSIG)       | 550/340         |  |
| Refrigerant Type               |              | R410A           |  |
| Refrigerant charge             | oz           | 141.10          |  |
|                                | (ft)         | 25.0            |  |
| Refrigerant precharge          | (m)          | 7.5             |  |
| Additional charge for each ft  | (oz/ft)      | 0.69            |  |
| Additional charge for each m   | (g/m)        | 65.0            |  |
| Liquid side/ Gas side(indoor)  | (inch)       | 3/8" / 3/4"     |  |
|                                | (mm)         | 9.52/19         |  |
| Liquid side/ Gas side(outdoor) | (inch)       | 3/8" / 3/4"     |  |
|                                | (mm)         | 9.52/19         |  |
| Max. pipe length               | (ft)         | 213.25          |  |
|                                | (m)          | 65              |  |
| Max. difference in level       | (ft)         | 98.42           |  |
|                                | (m)          | 30              |  |
| Connection method              |              | Flared          |  |
| Indoor(cooling)                | (Deg. °F)    | 60 ~ 90         |  |
|                                | (Deg. °C)    | 16 ~ 32         |  |
| Indoor(heating)                | (Deg. °F)    | 32 ~ 86         |  |
|                                | (Deg. °C)    | 0 ~ 30          |  |
| Outdoor(cooling)               | (Deg. °F)    | 5~122           |  |
|                                | (Deg. °C)    | -15 ~ 50        |  |
| Outdoor(heating)               | (Deg. °F)    | -22 ~ 75        |  |
|                                | (Deg. °C)    | -30 ~ 24        |  |

| INDOOR UNIT DATA                      |         |                   |  |
|---------------------------------------|---------|-------------------|--|
| IRV                                   | inch^3  | /                 |  |
| Air flow                              | SCFM    | 880               |  |
| Pressure drop                         | Pa      | 65.10             |  |
|                                       | In. wg. | 0.26              |  |
| <b>Air flow &amp; Noise level</b>     |         |                   |  |
| Indoor air flow (Hi/Med/Lo) (No duct) | (CFM)   | /                 |  |
| Indoor noise level (Hi/Med/Lo)        | [dB(A)] | 0/0/0             |  |
| Dehumidification                      | (L/H)   | /                 |  |
| <b>Indoor unit</b>                    |         |                   |  |
| Dimension (WxDxH)                     | (inch)  | 17.52x20.98x23.58 |  |
|                                       | (mm)    | 445x533x599       |  |
| Packing(WxDxH)                        | (inch)  | 20.47x26.18x25.39 |  |
|                                       | (mm)    | 520x665x645       |  |
| Net/Gross weight                      | (lbs.)  | 60.19/69.00       |  |
|                                       | (kg)    | 27.3/31.3         |  |

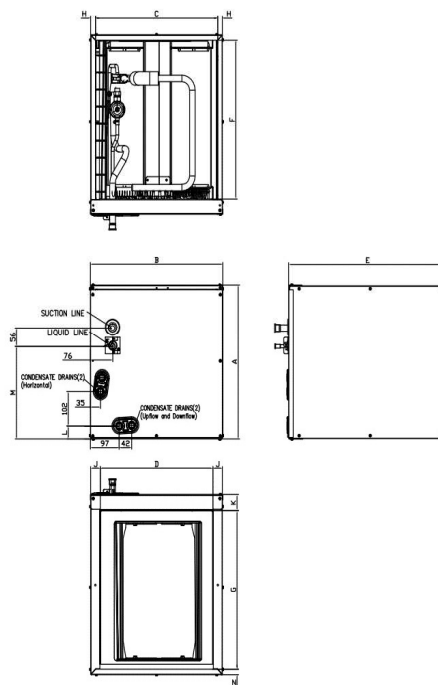
| OUTDOOR UNIT DATA                 |         |                     |                |
|-----------------------------------|---------|---------------------|----------------|
| <b>Compressor</b>                 |         |                     |                |
| Type                              |         | ROTARY              |                |
| Model                             |         | EAPQ420D1UMUA       |                |
| Brand                             |         | GMCC                |                |
| Capacity                          | (Btu/h) | 44015               |                |
| Input                             | (W)     | 3565                |                |
| Rated current (RLA)               | (A)     | 21.5                |                |
| Refrigerant oil/oil charge        | (ml)    | 1460±15ml           | ESTER OIL VG74 |
| <b>Outdoor fan motor</b>          |         |                     |                |
| Model                             |         | ZKFN-250-10-1       |                |
| Qty                               |         | 1                   |                |
| Input                             | (W)     | /                   |                |
| Output                            | (W)     | /                   |                |
| RLA                               | (A)     | 2.5                 |                |
| Speed                             | (r/min) | 850/800/750/650/550 |                |
| <b>Air flow &amp; Noise level</b> |         |                     |                |
| Outdoor air flow (Max.)           | (CFM)   | 3035.29             |                |
| Outdoor noise level               | [dB(A)] | 65                  |                |
| <b>Outdoor unit</b>               |         |                     |                |
| Dimension (WxDxH)                 | (inch)  | 38.58x14.76x38.39   |                |
|                                   | (mm)    | 980x375x975         |                |
| Packing (WxDxH)                   | (inch)  | 45.08x19.69x42.52   |                |
|                                   | (mm)    | 1145x500x1080       |                |
| Net/ Gross weight                 | (lbs.)  | 203.71/234.57       |                |
|                                   | (kg)    | 92.4/106.4          |                |

Indoor unit dimension

## NEW PANEL STYLE



## OLD PANEL STYLE



|              |                                    | KV-14F-A        |     | KV-14F-B        |     | KV-17F-A        |     | KV-17F-B        |     | KV-21F-A        |     | KV-21F-B        |     | KV-24F-A        |     |
|--------------|------------------------------------|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
|              |                                    | NEW PANEL STYLE |     | NEW PANEL STYLE |     | NEW PANEL STYLE |     | OLD PANEL STYLE |     | OLD PANEL STYLE |     | NEW PANEL STYLE |     | OLD PANEL STYLE |     |
| Model(Btu/h) |                                    | 18K/20K/22K/24K |     | 30K(未使用)        |     | 30K/36K         |     | 18K/24K         |     | 30K/36K/48K     |     | 48K             |     | 60K             |     |
| Dimensions   |                                    | inch            | mm  | inch            | mm  | inch            | mm  | inch            | mm  | inch            | mm  | inch            | mm  | inch            | mm  |
| A            | Model Height                       | 18              | 457 | 23-1/2          | 598 | 23-1/2          | 599 | 18              | 461 | 24              | 609 | 28              | 711 | 28              | 711 |
| B            | Model Width                        | 14-1/2          | 368 | 14-1/2          | 368 | 17-1/2          | 445 | 17-1/2          | 445 | 21              | 533 | 21              | 533 | 24-1/2          | 622 |
| C            | Supply Air Opening Width           | 13-1/4          | 336 | 13-1/4          | 336 | 16-3/16         | 411 | 16-3/16         | 411 | 19-3/4          | 502 | 19-3/4          | 502 | 23-1/4          | 591 |
| D            | Return Air Opening Width           | 12              | 303 | 12              | 303 | 15-1/8          | 384 | 15-1/8          | 384 | 19-1/2          | 496 | 19-1/2          | 496 | 23              | 585 |
| E            | Model Depth                        | 21              | 534 | 21              | 534 | 21              | 533 | 21              | 533 | 21              | 533 | 21              | 533 | 21              | 533 |
| F            | Supply Air Opening Depth           | 18-5/8          | 473 | 18-5/8          | 473 | 18-5/8          | 473 | 18-5/8          | 473 | 18-5/8          | 473 | 18-5/8          | 473 | 18-5/8          | 473 |
| G            | Return Air Opening Depth           | 18-1/2          | 471 | 18-1/2          | 471 | 18              | 458 | 18              | 458 | 18-1/2          | 470 | 18-1/2          | 470 | 18-1/2          | 470 |
| H            | Supply Air Opening Side Clearance  | 5/8             | 16  | 5/8             | 16  | 5/8             | 16  | 5/8             | 16  | 5/8             | 16  | 5/8             | 16  | 5/8             | 16  |
| I            | Supply Air Opening Front Clearance | 1-3/4           | 45  | 1-3/4           | 45  | 1-3/4           | 45  | 1-3/4           | 45  | 1-3/4           | 45  | 1-3/4           | 45  | 1-3/4           | 45  |
| J            | Return Air Opening Side Clearance  | 5/8             | 16  | 5/8             | 16  | 1-3/16          | 30  | 1-3/16          | 30  | 3/4             | 19  | 3/4             | 19  | 3/4             | 19  |
| K            | Return Air Opening Front Clearance | 1-13/16         | 46  | 1-13/16         | 46  | 1-13/16         | 46  | 1-13/16         | 46  | 1-13/16         | 46  | 1-13/16         | 46  | 1-13/16         | 46  |
| L            | Condensate Drains Height           | 1-9/16          | 40  | 1-9/16          | 40  | 1-7/16          | 37  | 1-7/16          | 37  | 2-1/8           | 54  | 2-1/8           | 54  | 2-1/8           | 54  |
| M            | Liquid Line Height                 | 11-1/2          | 292 | 11-1/2          | 292 | 16-1/2          | 418 | 10-7/8          | 276 | 16-5/16         | 414 | 21              | 533 | 20-1/4          | 514 |
| N            | Return Air Opening Side Clearance  | 3/4             | 19  | 3/4             | 19  | 3/4             | 19  | 1-3/16          | 30  | 3/4             | 19  | 3/4             | 19  | 3/4             | 19  |

Outdoor unit dimension

