

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

|               |                    |
|---------------|--------------------|
| Indoor model  | AST-09UW3SVE**01*3 |
| Outdoor model | AMW3-24U3SAA       |



### PERFORMANCE DATA

|                               |         |                    |
|-------------------------------|---------|--------------------|
| Power supply                  | Ph-V-Hz | 208-230V~60Hz, 1Ph |
| <b>Cooling</b>                |         |                    |
| Capacity                      | Btu/h   | 24000              |
| Input                         | W       | 1920               |
| Rated current                 | A       | 8.7                |
| EER2                          | Btu/h/w | 12.5               |
| SEER2                         | Btu/h/w | 22                 |
| <b>Heating</b>                |         |                    |
| Capacity                      | Btu/h   | 24000              |
| Input                         | W       | 1920               |
| Rated current                 | A       | 8.7                |
| COP2                          | W/W     | 3.63               |
| HSPF2                         | Btu/h/w | 9.05               |
| COP at 5°F (At Max. Capacity) | Btu/h/w | 1.84               |
| <b>Electrical</b>             |         |                    |
| MINIMUM CIRCUIT AMPACITY      | A       | 25.0               |
| MAX. FUSE                     | A       | 30.0               |
| Connection wiring             |         | 4 x 1.5mm2         |
| <b>Compressor</b>             |         |                    |
| Model                         |         | EATF250D22UMT      |
| Type                          |         | ROTARY             |
| Brand                         |         | GMCC               |
| Capacity                      | Btu/h   | 26084.74           |
| Input                         | W       | 2080               |
| Rated current(RLA)            | A       | 17.6               |
| Locked rotor Amp(LRA)         | A       | ---                |
| Thermal protector             |         | ---                |
| Thermal protector position    |         | ---                |
| Refrigerant oil/oil charge    | ml      | VG74 (POE) 670ml   |
| <b>Operation temperature</b>  |         |                    |
| Indoor(cooling/ heating)      | Deg. F  | 62~90/32~86        |
| Outdoor(cooling/heating)      | Deg. F  | 14~115/ -13~75.2   |
| Application area              | sq.ft   | 390-565            |

### OUTDOOR UNIT DATA

|                                                        |          |                               |
|--------------------------------------------------------|----------|-------------------------------|
| <b>Outdoor fan motor</b>                               |          |                               |
| Model                                                  |          | SIC-71FW-D8121-1              |
| Type                                                   |          | DC                            |
| Input                                                  |          | 121                           |
| RLA                                                    | A        | 1.0                           |
| Speed                                                  | r/min    | 850 / 540 / 200               |
| <b>Air flow &amp; Noise level</b>                      |          |                               |
| Outdoor air flow                                       | CFM      | 2350                          |
| Outdoor noise level                                    | dB(A)    | 59                            |
| <b>Outdoor unit</b>                                    |          |                               |
| Dimension(W*H*D)                                       | inch     | 37-3/8x33x13-3/8              |
| Packing (W*D*H)                                        | inch     | 43-3/4x18-1/8x36-1/4          |
| Net/Gross weight                                       | lbs.     | 158.7/169.5                   |
| <b>SYSTEM DATA</b>                                     |          |                               |
| Design pressure                                        | PSIG     | 550/240                       |
| Refrigerant type                                       | oz       | R410A/81.13                   |
| Refrigerant precharge                                  | ft       | 74                            |
| Additional charge per ft.                              | oz       | 0.161oz/ft over 22.5m         |
| Liquid side/ Gas side                                  | mm(inch) | 3 X<br>Φ6.35/Φ9.52(1/4"/3/8") |
| Max. length for all rooms                              | ft       | 197                           |
| Max. length for one indoor unit                        | ft       | 66                            |
| Max. height difference between indoor and outdoor unit | ft       | 49                            |
| Max. height difference between indoor units            | ft       | 33                            |

## OUTDOOR UNIT

