

Job Name

Purchaser

Submitted to

Unit Designation

Location

Engineer

Reference

Approval

Construction

Schedule #

Specifications

|                                      |                                         |            |                             |             |
|--------------------------------------|-----------------------------------------|------------|-----------------------------|-------------|
| Performance <sup>1</sup>             | Nominal Capacity                        |            | Cooling (Btu/h)             | 24,000      |
|                                      |                                         |            | Heating (Btu/h)             | 27,000      |
| Power                                | Voltage (ø/V/Hz)                        |            | 1 / 208-230 / 60            |             |
|                                      | Nominal Running Current (A)             |            | 0.45                        |             |
|                                      | MCA                                     |            | 0.60                        |             |
|                                      | MOP                                     |            | 15                          |             |
| Fan                                  | Type                                    |            | Turbo (1)                   |             |
|                                      | Motor                                   | Type       | BLDC                        |             |
|                                      |                                         | Output (W) | 65                          |             |
| Airflow                              | CFM (UL)                                | H/M/L      | 865 / 706 / 583             |             |
| Refrigerant                          | Type                                    |            | R410A                       |             |
|                                      | Control Method                          |            | Electronic Expansion Valve  |             |
| Piping Connections                   | Liquid (flare)                          | Inches     | 3/8                         |             |
|                                      | Suction (flare)                         | Inches     | 5/8                         |             |
|                                      | Drain                                   | Inches     | VP25 (OD 1 1/4, ID 1)       |             |
| Unit Dimensions                      | W X H X D                               | Inches     | 33 1/16 X 9 11/16 X 33 1/16 |             |
|                                      | Weight                                  | lbs.       | 36.40                       |             |
| Fascia Panel (required) <sup>2</sup> | Model Number (WindFree™)                |            | PC4NUFMUN                   |             |
|                                      | L X W X H                               | Inches     | 37 3/8 X 37 3/8 X 2 1/2     |             |
|                                      | Weight                                  | lbs.       | 13.89                       |             |
| Sound Level                          | H / M / L                               | dB(A)      | 38 / 36 / 34                |             |
| Accessories                          | Fascia Panel (WindFree™)                |            | <input type="checkbox"/>    | PC4NUFMUN   |
|                                      | External Contact Control                |            | <input type="checkbox"/>    | MIM-B14     |
|                                      | Motion Occupancy Sensor                 |            | <input type="checkbox"/>    | MCR-SMC     |
|                                      | External Temperature Sensor             |            | <input type="checkbox"/>    | MRW-TA      |
|                                      | Wireless Remote Controller              |            | <input type="checkbox"/>    | AR-EH03U    |
|                                      | CN83 Pigtail (for 12VDC VENT output)    |            | <input type="checkbox"/>    | DB39-01263A |
|                                      | MTFC - Multi-Tenant Function Controller |            | <input type="checkbox"/>    | MCM-C210N   |
|                                      | MERV 13 Filter                          |            | <input type="checkbox"/>    | MF-C6A0     |
| Safety Certifications                |                                         |            | ETL (UL 1995)               |             |



- Compatible with Samsung DVM S, DVM S Water, and DVM S Eco systems (AM\*\*\*\*\*AA).
- Electro-static, washable, pleated filters as standard (included with fascia panel)
- Built in condensate pump with maximum 29" lift from the bottom of the unit, check valve, and float switch that disables indoor unit during overflow detection
- Knock-out for outside air capability
- Fascia panel shall have LED indicator lights and 4 motorized louvers with independent control (32° - 65° louver control range)
- High-voltage terminal block temperature sensor to disable unit in the event overheating of power connection.
- WindFree™ function will close the supply air outlet louver while in cooling mode to gently disperse cool air into the space without blowing directly onto occupants. The WindFree™ feature is optional and can be enabled using central or local control options (MWR-SH11UN, MWR-WE13N, MWR-WE13UN, MWR-WG00\*N, and AR-EH03U only).
- The WindFree™ 4-way cassette can be configured for 2-stage operation, cooling the space with the louver open (fixed or swing) until the room temperature nears set temperature. Once room temperature is near set temperature, WindFree™ operation will start automatically, closing the louver and using the face of the fascia panel to gently cool the space with still air\*.
- The WindFree™ panel (PC4NUFMUN) has an integral humidity sensor that will open the louvers for standard cool mode when space conditions could potentially cause condensation formation on the panel surface.

**Construction**  
Insulated, HIPS chassis with a galvanized steel frame and fascia panel certified to UL94 V0.

**Heat Exchanger**  
The heat exchanger shall be mechanically bonded fin to copper tube

**Indoor Fan**  
Indoor fan is a single turbo type

Three fan speed settings and auto setting

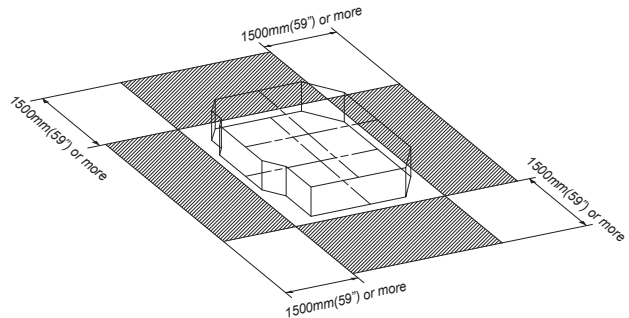
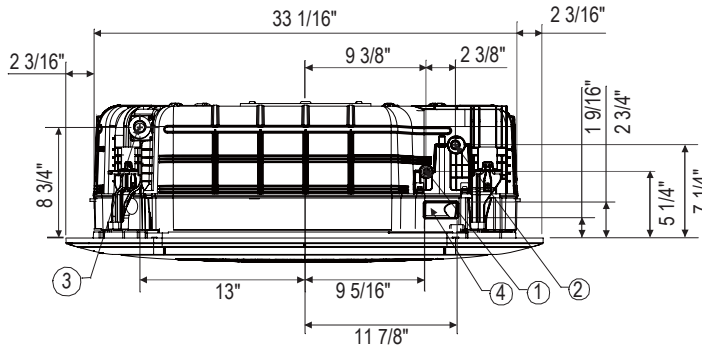
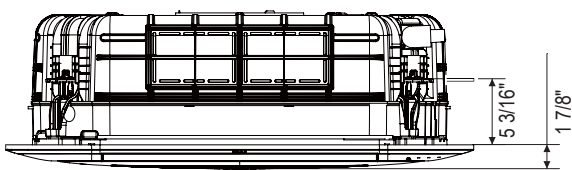
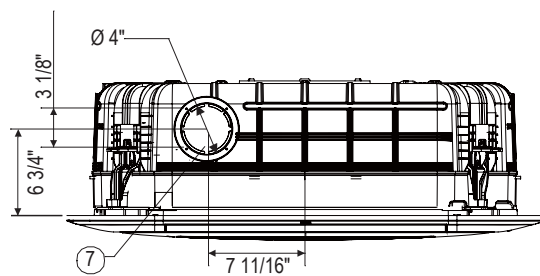
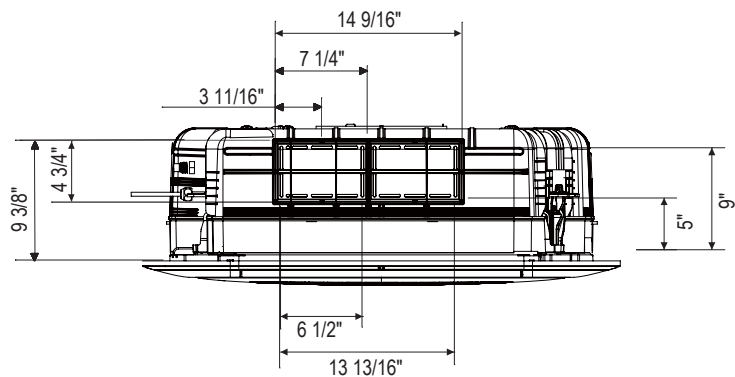
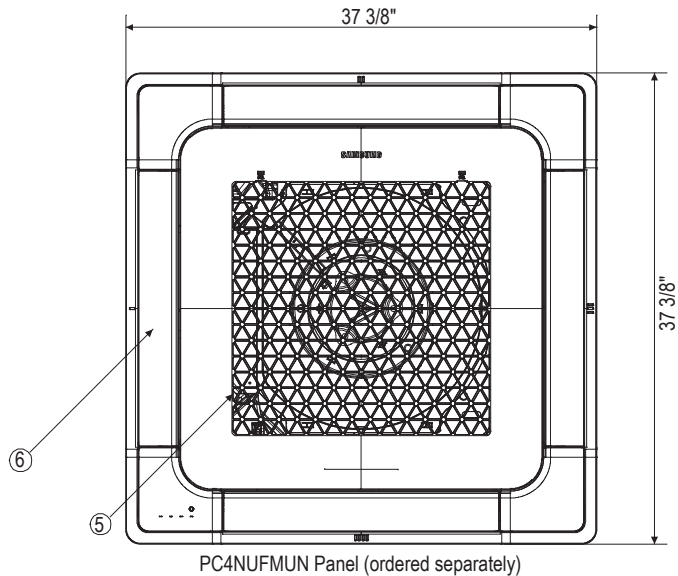
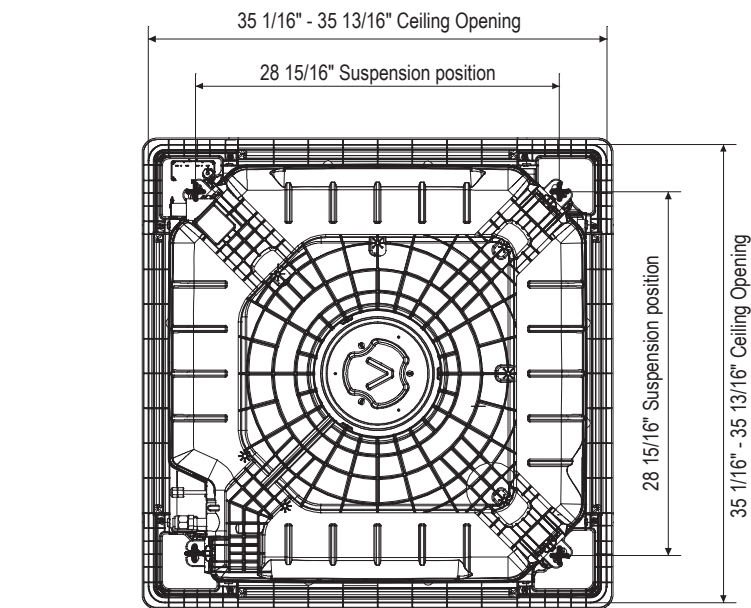
**Controls**  
The unit shall be operated via a wireless or wired remote control with DDC type signal

The unit shall integrate with the Samsung NASA Controls Network Solution

Control wiring shall be 2 X 16 AWG shielded wire

Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.

¹ Nominal cooling capacities are based on: Indoor temperature: 80 °F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.  
Nominal heating capacities are based on: Indoor temperature: 70 °F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.  
² A fascia panel is required for unit operation and is sold separately.  
\*The WindFree™ unit delivers an air current that is under 0.15 m/s while in WindFree™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).



Proper clearance must be maintained around unit for proper operation.

| No. | Name                                     | Description      |
|-----|------------------------------------------|------------------|
| ①   | Liquid Pipe Connection                   | Ø 3/8" Flare     |
| ②   | Gas Pipe Connection                      | Ø 5/8" Flare     |
| ③   | Drain Pipe Connection                    | OD 1 1/4", ID 1" |
| ④   | Conduit for Power & Communication Wiring | -                |
| ⑤   | Air Inlet Grille                         | -                |
| ⑥   | Air Outlet Louver                        | -                |
| ⑦   | Fresh Air Intake                         | Ø 4 "            |