

## Samsung DVM S Series, Wind-Free™ Wall-Mounted Unit

Job Name \_\_\_\_\_  
 Purchaser \_\_\_\_\_  
 Submitted to \_\_\_\_\_  
 Unit Designation \_\_\_\_\_

Location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Reference ☐ Approval ☐ Construction ☐  
 Schedule # \_\_\_\_\_

## Specifications

|                       |                             |                   |                                              |
|-----------------------|-----------------------------|-------------------|----------------------------------------------|
| Performance           | Nominal Capacity¹           | Cooling (Btu/h)   | 18,000                                       |
|                       |                             | Heating (Btu/h)   | 20,000                                       |
| Power                 | Voltage (ø/V/Hz)            |                   | 1 / 208-230 / 60                             |
|                       | Nominal Running Current (A) |                   | 0.35                                         |
|                       | MCA                         |                   | 0.44                                         |
|                       | MOP                         |                   | 15                                           |
| Fan                   | Type                        |                   | Crossflow                                    |
|                       | Motor                       | Type              | BLDC (1)                                     |
|                       |                             | Output (W)        | 27                                           |
| Airflow               | CFM (UL)                    | L/M/H             | 424 / 487 / 555                              |
| Refrigerant           | Type                        |                   | R410A                                        |
|                       | Control Method              |                   | Electronic Expansion Valve                   |
| Piping Connections    | Liquid (flare)              | Inches            | 1/4                                          |
|                       | Suction (flare)             | Inches            | 1/2                                          |
|                       | Drain                       | Inches            | ID 11/16 Hose                                |
| Unit Dimensions       | W X H X D                   | Inches            | 41 1/2 X 11 3/4 X 8 7/16                     |
|                       | Weight                      | lbs.              | 26.5                                         |
| Sound Level           | L / M / H                   | dB(A)             | 34 / 37 / 40                                 |
| Accessories           | External Contact Control    |                   | <input type="checkbox"/> MIM-B14             |
|                       | Condensate Pump             | Aspen Mini Orange | <input type="checkbox"/> ASP-MO-UNIV 110-250 |
|                       |                             | Blue Diamond      | <input type="checkbox"/> BD-BLUE230          |
|                       | External Temperature Sensor |                   | <input type="checkbox"/> MRW-TA              |
| Safety Certifications |                             |                   | ETL (UL 1995)                                |

<sup>1</sup> 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

\*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ 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).

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



- Compatible with Samsung DVM S, DVM S Water, and DVM S Eco systems (AM\*\*\*\*\*AA).
- Electro-static, washable, pleated filters as standard (included with unit)
- 7-segment digital display on front of unit to display temperature and unit status
- High-voltage terminal block temperature sensor to disable unit in the event overheating of power connection.
- Wind-Free™ 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 Wind-Free™ feature is optional and can be enabled using central or local control options (MWR-SH11UN, MWR-WE13UN, MWR-WG00\*N, and AR-EH0\*U only).

## Construction

HIPS chassis certified to UL94 V0 with galvanized steel mounting bracket

## Heat Exchanger

The heat exchanger shall be mechanically bonded fin to copper tube

## Indoor Fan

Indoor fan is a single, antibacterial, crossflow type

Three fan speed settings and auto setting

Automatic (motorized) vertical swing (up/down) and horizontal swing (left/right) louvers

## 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

Controls shall integrate with a BMS system

Control wiring shall be 2 X 16 AWG shielded wire

Unit: inches

