

Job Name

Purchaser

Submitted to

Unit Designation

Location

Engineer

Reference

Schedule #

Approval

Construction

Specifications

|                          |                                               |                 |                                              |
|--------------------------|-----------------------------------------------|-----------------|----------------------------------------------|
| Model                    | US Code                                       |                 | JNH18LDT                                     |
|                          | Model Number                                  |                 | AJ018TNLDCH/AA                               |
| Performance              | Nominal Capacity                              | Cooling (Btu/h) | 17,700                                       |
|                          |                                               | Heating (Btu/h) | 19,100                                       |
| Power                    | Voltage (øV/Hz)                               |                 | 1 / 208-230 / 60                             |
|                          | Nominal Running Current (A)                   |                 | 0.45                                         |
| Fan                      | Type                                          |                 | Sirocco (2)                                  |
|                          | Motor                                         | Type            | BLDC (1)                                     |
|                          |                                               | FLA / Output    | 0.38A / 84 W                                 |
| Airflow                  | CFM                                           | L/M/H           | 191 / 346 / 494                              |
|                          |                                               |                 |                                              |
| External Static Pressure | Standard                                      | "WC             | 0.08                                         |
|                          | Min / Max.                                    | "WC             | 0 / 0.2                                      |
| Refrigerant              | Type                                          |                 | R410A                                        |
|                          | Control Method                                |                 | Electronic Expansion Valve (at outdoor unit) |
| Piping Connections       | Liquid (flare)                                | Inches          | 1/4                                          |
|                          | Suction (flare)                               | Inches          | 1/2                                          |
|                          | Drain                                         | Inches          | OD 1 1/4, ID 1                               |
| Unit Dimensions          | W X H X D                                     | Inches          | 35 7/16 X 7 13/16 X 17 5/16                  |
|                          | Weight                                        | lbs.            | 41.7                                         |
|                          | Duct Connections<br>W X H (refer to drawing)  | Supply (inches) | 29 3/8 X 5 15/16                             |
|                          |                                               | Return (inches) | 30 5/8 X 6 5/8 (inside)                      |
| Sound Level              | L / M / H                                     | dB(A)           | 23 / 29 / 33                                 |
| Accessories              | Wired Controllers                             | Advanced        | MWR-WG00UN                                   |
|                          |                                               | Simple Touch    | MWR-SH11UN                                   |
|                          | Wireless Signal Receiver                      |                 | MRK-A10N                                     |
|                          | Wireless Remote Controller <sup>1</sup>       |                 | AR-EH04U                                     |
|                          | 24VAC Thermostat Adapter                      |                 | MIM-A60UN                                    |
|                          | Filter Box                                    |                 | FB-SLIM2                                     |
|                          | Wi-Fi Adapter For Remote Control <sup>2</sup> |                 | MIM-H04UN                                    |
|                          | External Temperature Sensor                   |                 | MRW-TA                                       |
|                          | External Contact Control Interface Module     |                 | MIM-B14                                      |
|                          | CN83 Pigtail                                  |                 | DB39-01263A                                  |
| Safety Certifications    |                                               |                 | ETL (UL 1995)                                |



- High-voltage terminal block temperature sensor to disable unit in the event overheating of power connection.
- 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.
- System energy consumption can be viewed using the Samsung SmartThings mobile app (not revenue grade, for reference only)
- The indoor unit shall be powered by the outdoor unit

**Construction**  
The unit shall be constructed of insulated, galvanized steel

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

**Indoor Fan**  
Indoor fan is a twin, backward curved centrifugal type with a single fan motor

Three fan speed settings and auto setting

**Controls**  
Control signal shall be a DDC type signal

Interconnect control wire between outdoor and indoor shall be 16AWG X 2

Dual set temperature support when connected to MWR-WG00UN Advanced Wired Controller.

The system shall integrate with the Samsung Controls Solution.

**Air Filtration**  
The unit includes a simple filter as standard. Field provided filtration is recommended.

Pressure drop across the filter must be factored into the total ESP.

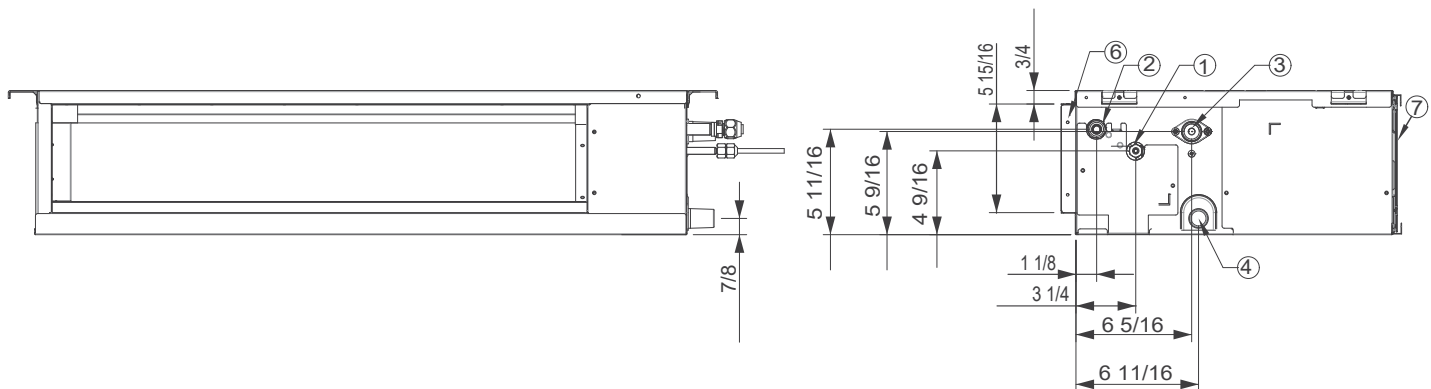
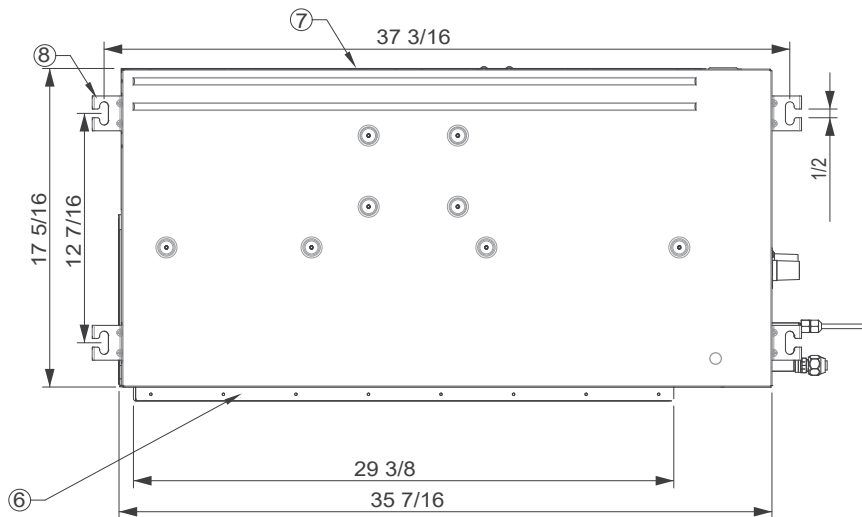
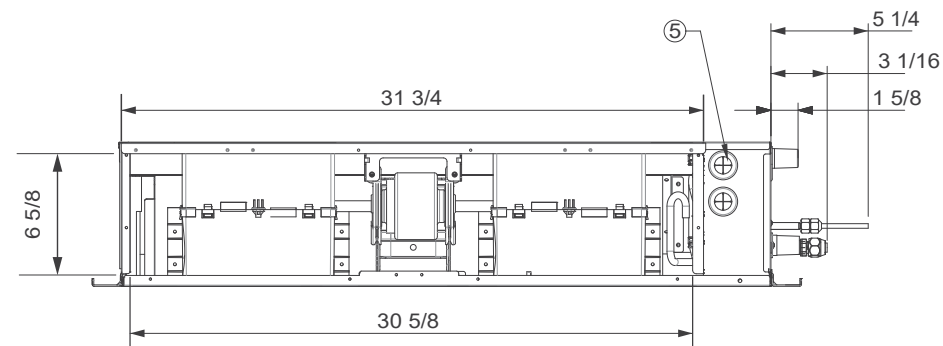
**Compatibility**  
Will only operate with Samsung outdoor unit model numbers: AJ024TXJ3CH/AA (JXH24J3T), AJ036TXJ4CH/AA (JXH36J4T), AJ048TXJ5CH/AA (JXH48J5T), AJ024TXS4CH/AA (JXH24S4T), AJ030TXS4CH/AA (JXH30S4T), AJ036TXS4CH/AA (JXH36S4T)

**ATTENTION**  
This air handling unit is intended for free-air discharge or for connection to a duct supplying only one room. Improper installation could contribute to the spread of smoke or flame in the event of a fire.

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

<sup>1</sup> Requires the installation of MRK-A10N wireless signal receiver.

<sup>2</sup> MIM-H04UN is only required for remote control of cassette, console, and duct indoor units. Only one per system is required.



| No. | Description                                       |
|-----|---------------------------------------------------|
| 1   | Suction pipe connection                           |
| 2   | Liquid pipe connection                            |
| 3   | Drain connection (when using integral drain pump) |
| 4   | Gravity drain connection                          |
| 5   | Opening for power and communication wire conduit  |
| 6   | Supply air outlet flange                          |
| 7   | Return air (air inlet)                            |
| 8   | Suspension bolt anchor point                      |