

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

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

Specifications

|                       |                                                                |                 |                                                 |
|-----------------------|----------------------------------------------------------------|-----------------|-------------------------------------------------|
| Model                 | US Code                                                        |                 | JNH12JDT                                        |
|                       | Model Number                                                   |                 | AJ012TNJDCH/AA                                  |
| Performance           | Nominal Capacity                                               | Cooling (Btu/h) | 11,900                                          |
|                       |                                                                | Heating (Btu/h) | 13,000                                          |
| Power                 | Voltage (øV/Hz)                                                |                 | 1 / 208-230 / 60                                |
|                       | Nominal Running Current (A)                                    |                 | 0.29                                            |
| Fan                   | Type                                                           |                 | Turbo (1)                                       |
|                       | Motor                                                          | Type            | BLDC (1)                                        |
|                       |                                                                | FLA / Output    | 0.35A / 35 W                                    |
| Airflow               | CFM                                                            | L/M/H           | 220 / 254 / 300                                 |
| Refrigerant           | Type                                                           |                 | R410A                                           |
|                       | Control Method                                                 |                 | Electronic Expansion Valve<br>(at outdoor unit) |
| Piping Connections    | Liquid (flare)                                                 | Inches          | 1/4                                             |
|                       | Suction (flare)                                                | Inches          | 3/8                                             |
|                       | Drain                                                          | Inches          | ID 1                                            |
| Unit Dimensions       | W X H X D                                                      | Inches          | 28 3/8 X 24 7/16 X 7 13/16                      |
|                       | Weight                                                         | lbs.            | 34.60                                           |
| Sound Level           | L / M / H                                                      | dB(A)           | 33 / 35 / 38                                    |
| Accessories           | Wired Controllers                                              | Advanced        | <input type="checkbox"/> MWR-WG00UN             |
|                       |                                                                | Simple Touch    | <input type="checkbox"/> MWR-SH11UN             |
|                       | Wireless Remote Controller                                     |                 | <input type="checkbox"/> AR-EH03U               |
|                       | Wi-Fi Adapter For Remote Control¹                              |                 | <input type="checkbox"/> MIM-H04UN              |
|                       | External Temperature Sensor                                    |                 | <input type="checkbox"/> MRW-TA                 |
|                       | External Contact Control Interface Module                      |                 | <input type="checkbox"/> MIM-B14                |
|                       | CN83 Pigtail                                                   |                 | <input type="checkbox"/> DB39-01263A            |
|                       | Line sets - insulated and flared, interconnect cables included |                 | <input type="checkbox"/> 25' - ILS2506          |
|                       |                                                                |                 | <input type="checkbox"/> 50' - ILS5006          |
| Safety Certifications |                                                                |                 | ETL (UL 1995)                                   |



- High-voltage terminal block temperature sensor to disable unit in the event overheating of power connection.
- The unit shall discharge cool air from the upper outlet louver (motorized) while in cooling mode and warm air from the upper and lower (manual adjustment only) outlets while in heating mode.
- 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
- Electro-static, washable, pleated filter as standard (included)
- Gravity drain as standard
- The front panel shall have LED indicator lights, touch controls, IR receiver, and 1 motorized louver.

**Construction**  
Insulated, HIPS chassis certified to UL94 V0

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

**Indoor Fan**  
Indoor fan is turbo 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.

**Compatibility**  
Will only operate with Samsung outdoor unit model numbers:  
AJ020TXJ2CH/AA (JXH20J2T), AJ024TXJ3CH/AA (JXH24J3T),  
AJ036TXJ4CH/AA (JXH36J4T), AJ048TXJ5CH/AA (JXH48J5T),  
AJ020TXS3CH/AA (JXH20S3T), AJ024TXS4CH/AA (JXH24S4T),  
AJ030TXS4CH/AA (JXH30S4T), AJ036TXS4CH/AA (JXH36S4T)

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.

¹MIM-H04UN is only required for remote control of cassette, console, and duct indoor units. Only one per system is required.

