

Submittal Data: TW18HQ1A5D

18,000 BTU/h Wall Mounted Heat- Pump System

Job Name _____ Location _____ Date _____

Purchaser _____ Engineer _____

Submitted To _____ For Reference Approval Construction

Unit Designation _____ Schedule No. _____

GENERAL FEATURES

- Compact and Quiet Design
- High Efficiency - 16 SEER
- DC Inverter Technology
- Wireless Remote with LCD Display
- Comfortable Sleep Mode
- Intelligent Defrost
- Multi Speed Fan



System Ratings

| | | |
|---------------------------------|-------|---------------------------|
| Cooling | | |
| Rated Capacity | | 18,000 BTU/h |
| Capacity Range | | 7,165-20,000 BTU/h |
| Power Input (Max) | | 2,600 W |
| SEER | | 16 |
| EER | | 2.75 |
| Heating at 47° F | | |
| Rated Capacity | | 19,000 BTU/h |
| Capacity Range | | 7,340-23,500 BTU/h |
| Power Input (Max) | | 2,600 W |
| HSPF | | 9.0 |
| COP | | 2.78 |
| Heating at 17° F | | |
| Rated Capacity | | 13,300 BTU/h |
| Capacity (Max) | | 16,450 BTU/h |
| Operating Range | | |
| Cooling | (Max) | 115°F (46 C) |
| | (Min) | 0°F (-18 C) |
| Heating | (Max) | 75°F (24 C) |
| | (Min) | -4°F (-20 C) |
| Power Supply | | |
| Normal Operational Voltage | | 208/230 V, 1 Phase, 60 Hz |
| Voltage Range | | 187 - 253 V |
| Main Power Wire Size | | 14-2 AWG |
| Interconnecting Cable Wire Size | | 14-4 AWG |
| MCA | | 16 A |
| MOCP/Breaker Size | | 25 A |

Indoor Unit Data

| | | |
|---------------------------------|--------------|------------------------|
| Fan Motor | Output Power | 30 W |
| | FLA | 0.32 A |
| Airflow | | |
| Turbo / High / Medium / Low | | 471/403/341/282 CFM |
| | | 800/685/580/480 m³/h |
| Sound Pressure Level | | |
| High / Medium / Low | | 42/39/35 dB(A) |
| Dehumidication | | 1.80 L/h |
| | | 3.8 pt/h |
| Dimensions & Weights | | |
| Unit Dimensions(WxHxD) | | 38.189×11.811×8.819-in |
| Weight (Net/Shipping) | | 30/36 LBS |

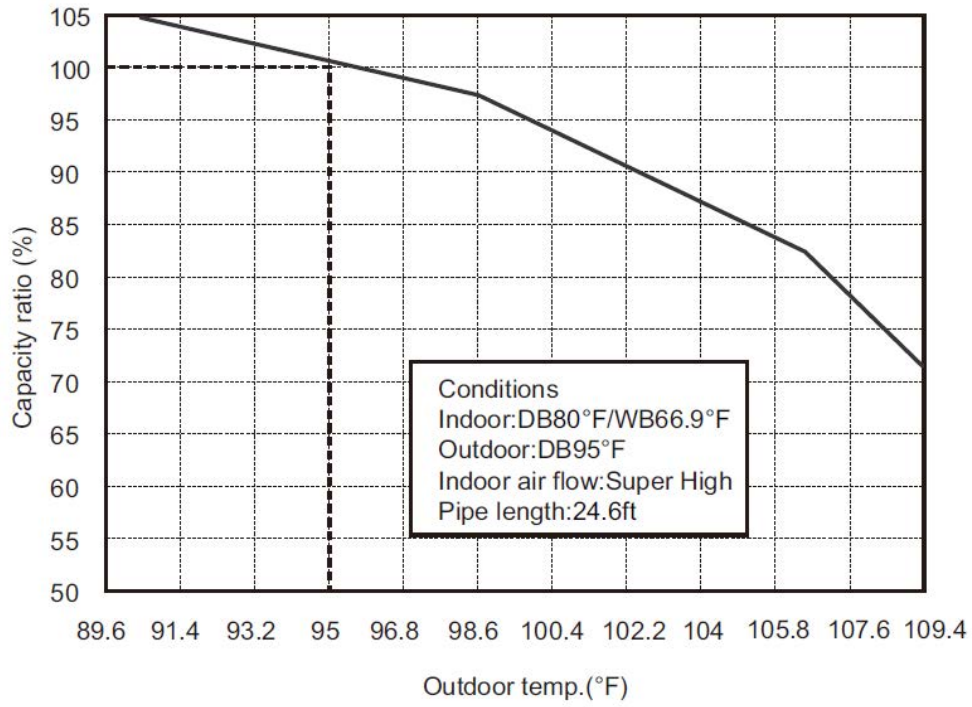
Outdoor Unit Data

| | | |
|--|--------------|---------------------------|
| Compressor | | DC Inverter Driven Rotary |
| Refrigerant Type | | R410A |
| Fan Motor | Output Power | 60 W |
| | FLA | 0.365 A |
| Sound Pressure | | |
| Cooling | | 56 dB(A) |
| Heating | | 56 dB(A) |
| Dimensions & Weights | | |
| Unit Dimensions (LxHxD) | | 37.598×27.559×15.591-in |
| Weight (Net/Shipping) | | 96/106 LBS |
| Refrigerant Piping Data | | |
| Gas Pipe Size (OD) | | 1/2-in |
| Liquid Pipe Size (OD) | | 1/4-in |
| Connection Method | | Flared |
| MAX Refrigerant Pipe Length | | 82-ft |
| MIN Refrigerant Pipe Length | | 10-ft |
| MAX Refrigerant Pipe Height Difference | | 32.8-ft |

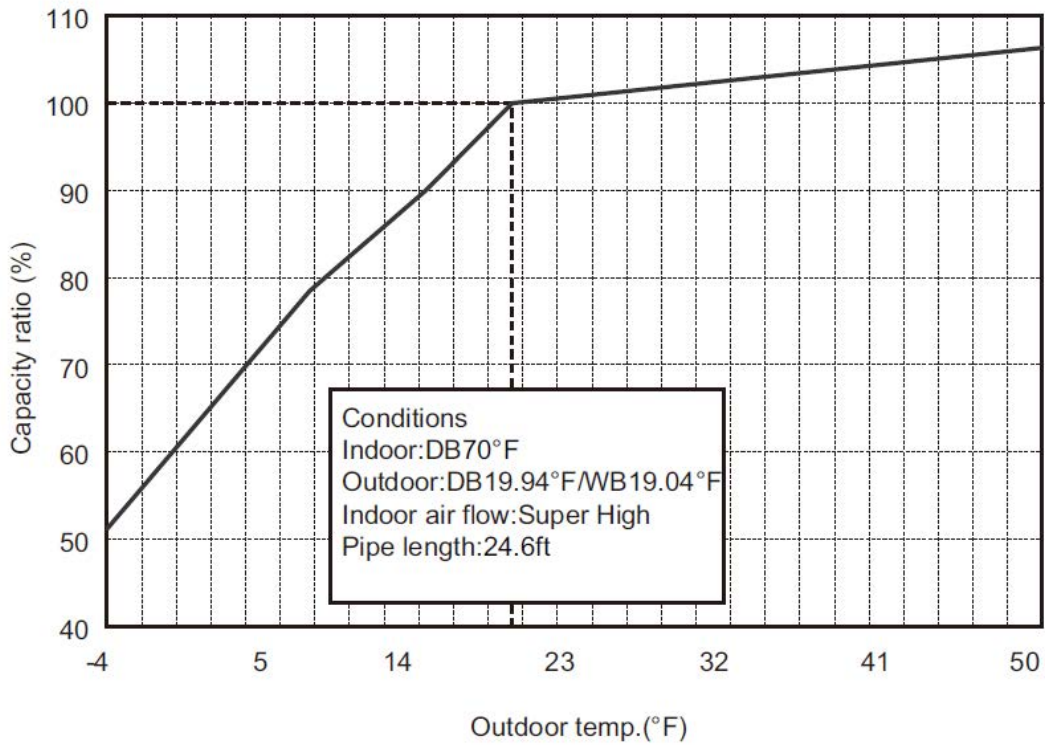


CAPACITY RATIO

COOLING



HEATING

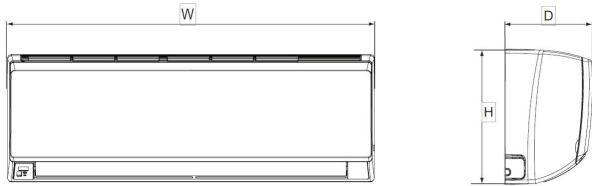


DIMENSIONAL SPECIFICATIONS

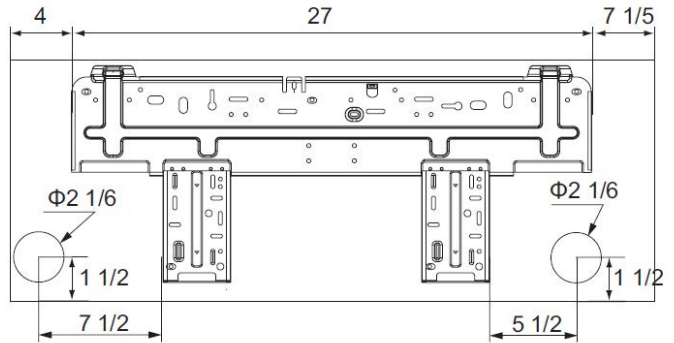
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INDOOR UNIT DIMENSIONS

Units: inch



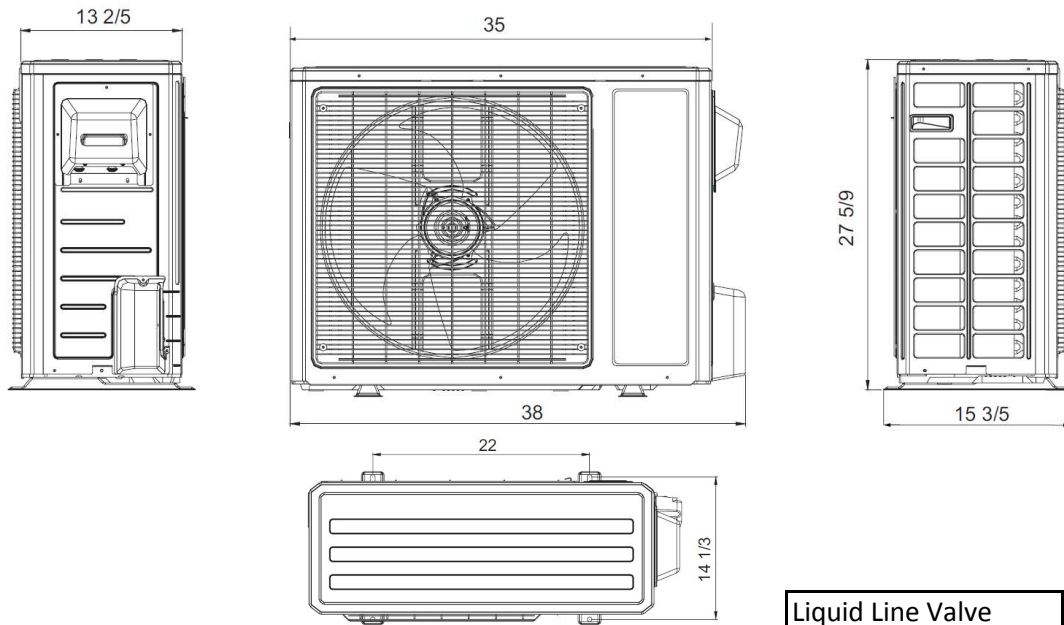
W : 38 1/5
H : 11 4/5
D : 8 5/6



| | |
|-------------------|------------------|
| Liquid Line Valve | 1/4-in OD Flared |
| Gas Line Valve | 1/2-in OD Flared |
| Drain Connector | 5/8-in OD |

OUTDOOR UNIT DIMENSIONS

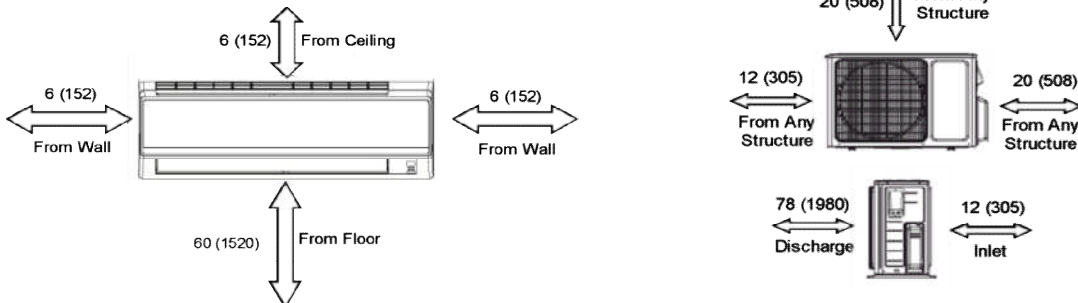
Units: inch



| | |
|-------------------|------------------|
| Liquid Line Valve | 1/4-in OD Flared |
| Gas Line Valve | 1/2-in OD Flared |

MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



Notes:

1. Recommended Interconnecting Cable Type Stranded Bare Copper Conductors THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

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