



## SUBMITTAL DATA

GWHD(18)ND3MO  
18000 BTU/H Multi-Zone Heat Pump System

Job Name

Location

Date

Purchaser

Engineer

Submitted to

For

Unit Designation

Schedule No.



GWHD(18)ND3MO

## GENERAL FEATURES

- AHRI Certificate: [208786089 \(Non-Ducted\)](#)
- [208786092 \(Ducted\)](#)
- [208786097 \(Mixed\)](#)
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Auto Restart on Power Outages
- Multi-point Diagnostics
- 10 Years Unlimited Parts Warranty.
- Low Ambient Cooling down to -20°F (Range -22°F to 118°F)
- Low Ambient Heating down to -22°F (Range -22°F to 75°F)
- Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested

## SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

| SPECIFICATIONS                  |                                | GWHD(18)ND3MO                            |              |
|---------------------------------|--------------------------------|------------------------------------------|--------------|
| System Type                     | HEAT PUMP                      |                                          |              |
| Number of Zones                 | 2                              |                                          |              |
| SYSTEM PERFORMANCE              |                                | NON-DUCTED INDOOR UNITS                  |              |
| Cooling                         | Min - Max                      | Btu/h                                    | 7000 - 19600 |
|                                 | Capacity @95°F                 | Btu/h                                    | 17000        |
| Heating                         | Min - Max                      | Btu/h                                    | 7000 - 19600 |
|                                 | Capacity @5°F                  | Btu/h                                    | 13600        |
|                                 | Capacity @17°F                 | Btu/h                                    | 14700        |
|                                 | Capacity @47°F                 | W                                        | 18000        |
| SEER2                           | 21                             |                                          |              |
| EER2                            | 12                             |                                          |              |
| HSPF2                           | 10                             |                                          |              |
| COP @5°F                        | 2.2                            |                                          |              |
| COP @47°F                       | 3.8                            |                                          |              |
| SYSTEM PERFORMANCE              |                                | DUCTED INDOOR UNITS                      |              |
| Cooling                         | Min - Max                      | Btu/h                                    | 7000 - 19600 |
|                                 | Capacity @95°F                 | Btu/h                                    | 17000        |
| Heating                         | Min - Max                      | Btu/h                                    | 7000 - 19600 |
|                                 | Capacity @5°F                  | Btu/h                                    | 14000        |
|                                 | Capacity @17°F                 | Btu/h                                    | 14000        |
|                                 | Capacity @47°F                 | W                                        | 18000        |
| SEER2                           | 16                             |                                          |              |
| EER2                            | 11                             |                                          |              |
| HSPF2                           | 8                              |                                          |              |
| COP @5°F                        |                                |                                          |              |
| COP @47°F                       | 3.3                            |                                          |              |
| SYSTEM PERFORMANCE              |                                | MIXED DUCTED AND NON-DUCTED INDOOR UNITS |              |
| Cooling                         | Min - Max                      | Btu/h                                    | 7000 - 19600 |
|                                 | Capacity @95°F                 | Btu/h                                    | 17000        |
| Heating                         | Min - Max                      | Btu/h                                    | 7000 - 19600 |
|                                 | Capacity @5°F                  | Btu/h                                    | 18000        |
|                                 | Capacity @17°F                 | Btu/h                                    | 18000        |
|                                 | Capacity @47°F                 | W                                        | 18000        |
| SEER2                           | 18.5                           |                                          |              |
| EER2                            | 11.5                           |                                          |              |
| HSPF2                           | 9                              |                                          |              |
| COP @5°F                        |                                |                                          |              |
| COP @47°F                       | 3.6                            |                                          |              |
| OUTDOOR UNIT                    |                                | GWHD(18)ND3MO                            |              |
| Cooling Temperature Range       | °F                             | -20 - 122                                |              |
| Heating Temperature Range       | °F                             | -22 - 86                                 |              |
| Refrigerant Type                | R410A                          |                                          |              |
| Compressor Type                 | GREE G-10 / 2 - STAGE INVERTER |                                          |              |
| Sound Pressure Level            | dB(A)                          | 53                                       |              |
| External Dimensions (W x H x D) | in                             | 32 3/8 x 21 11/16 x 13 7/8               |              |
| Package Dimension (W x H x D)   | in                             | 34-3/8 x 24-7/16 x 15-11/16              |              |
| Net Weight                      | lbs                            | 77.2                                     |              |
| Gross Weight                    | lbs                            | 82.7                                     |              |

| REFRIGERANT PIPING                  |                       |                |
|-------------------------------------|-----------------------|----------------|
| Refrigerant Charge - R410A          | oz                    | 45.9           |
| Additional Charge                   | oz/ft                 | 0.2            |
| Port Size (Liquid - Gas)            | port A (in)           | 1/4 - 3/8      |
|                                     | port B (in)           | 1/4 - 3/8      |
|                                     | port C (in)           |                |
|                                     | port D (in)           |                |
|                                     | port E (in)           |                |
| Pre-Charge Length                   | ft                    | 33             |
| Pipe Length (Min - Max)             | ft                    | 10 - 131       |
| Pipe Length to furthest Indoor Unit | ft                    | 66             |
| Max. Pipe Elevation                 | ft                    | 49             |
| ELECTRICAL                          |                       |                |
| Power Supply                        | 208-230V / 1Ph / 60Hz |                |
| Voltage Range (Min - Max)           | VAC                   | 187 - 253      |
| Rated Current - Cooling             | A                     | 10             |
| Rated Current - Heating             | A                     | 10             |
| MCA                                 | A                     | 15             |
| MOCP                                | A                     | 20             |
| Suggested Breaker Size              | A                     | 15             |
| Main Power Wire Size                | AWG                   | Per Local Code |
| Interconnecting Wire Size           | AWG                   | 14 / 4         |

| FEATURES & FUNCTIONS SUMMARY            | GWHD(18)ND3MO          |
|-----------------------------------------|------------------------|
| SYSTEM FEATURES                         |                        |
| Inverter Type                           | G10                    |
| Ultra Low Frequency Torque Control      | Yes                    |
| Power Factor Correction                 | Yes                    |
| Compressor Type - Inverter              | High Efficiency Rotary |
| Basepan With Electric Heater            | Yes                    |
| Indoor & Outdoor Fin Coating (Blue Fin) | Yes                    |
| Intelligent Defrosting                  | Yes                    |
| Intelligent Preheating                  | Yes                    |
| Low Voltage Startup                     | Yes                    |
| Memory/Power Failure Recovery           | Yes                    |
| Self Diagnosis                          | Yes                    |

## ALLOWABLE COMBINATIONS CAPACITIES

| MODEL NUMBER  | POSSIBLE COMBINATIONS* | COOLING CAPACITY (Btu/h) |       |       |       |       | HEATING CAPACITY (Btu/h) |        |       |       |       |
|---------------|------------------------|--------------------------|-------|-------|-------|-------|--------------------------|--------|-------|-------|-------|
|               |                        | ZONE1                    | ZONE2 | ZONE3 | ZONE4 | ZONE5 | ZONE1                    | ZONE2  | ZONE3 | ZONE4 | ZONE5 |
| GWHD(18)ND3MO | 5K + 5K                | 5.000                    | 5.000 |       |       |       | 6.000                    | 6.000  |       |       |       |
| GWHD(18)ND3MO | 7K + 7K                | 7.000                    | 7.000 |       |       |       | 8.000                    | 8.000  |       |       |       |
| GWHD(18)ND3MO | 5K + 7K                | 5.000                    | 7.000 |       |       |       | 6.000                    | 8.000  |       |       |       |
| GWHD(18)ND3MO | 9K + 9K                | 8.500                    | 8.500 |       |       |       | 9.000                    | 9.000  |       |       |       |
| GWHD(18)ND3MO | 9K + 12K               | 7.286                    | 9.714 |       |       |       | 7.714                    | 10.286 |       |       |       |
| GWHD(18)ND3MO | 12K + 12K              | 8.500                    | 8.500 |       |       |       | 9.000                    | 9.000  |       |       |       |

Outdoor Unit & Possible Indoor Unit Combinations with AHRI Certified Performance

\*You may substitute the 9K unit with a 5K or 7K High Wall unit, find complete capacity information in the extended ratings chart.

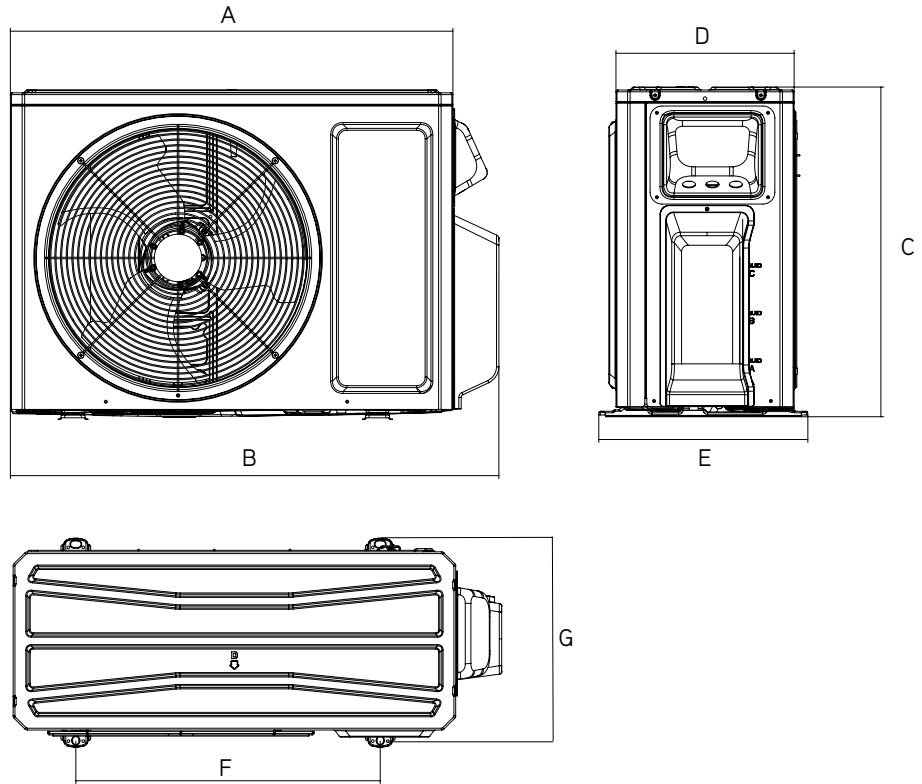
## DIMENSIONS

### OUTDOOR UNIT

Unit: inch

GWHD(18)ND3MO  
DIMENSIONS

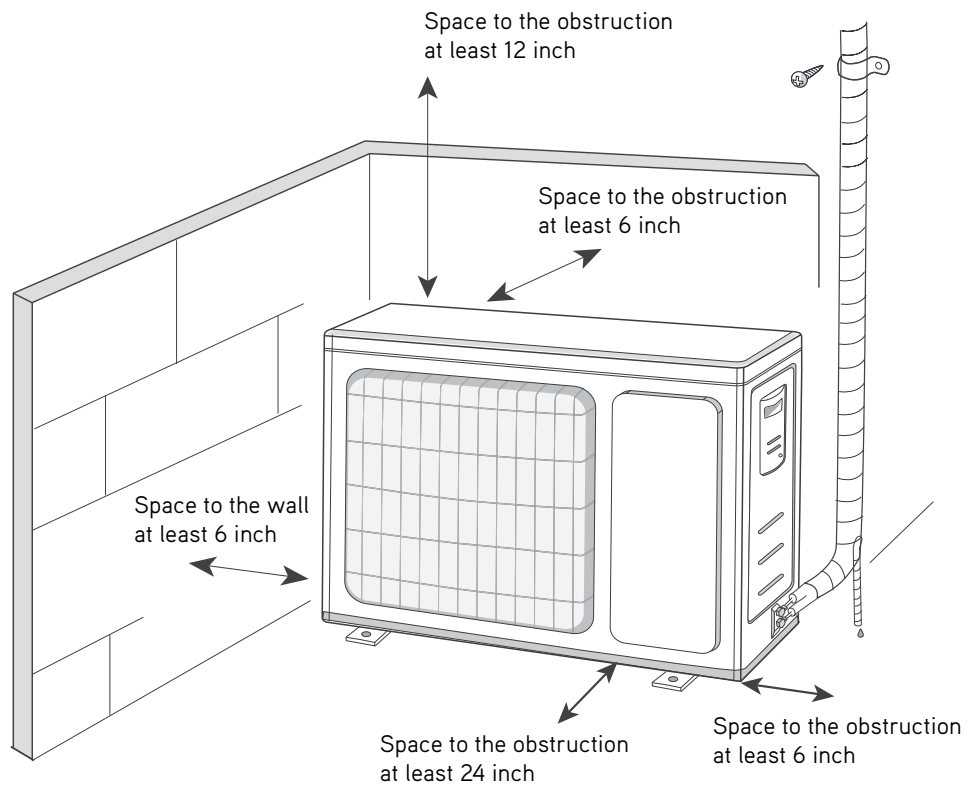
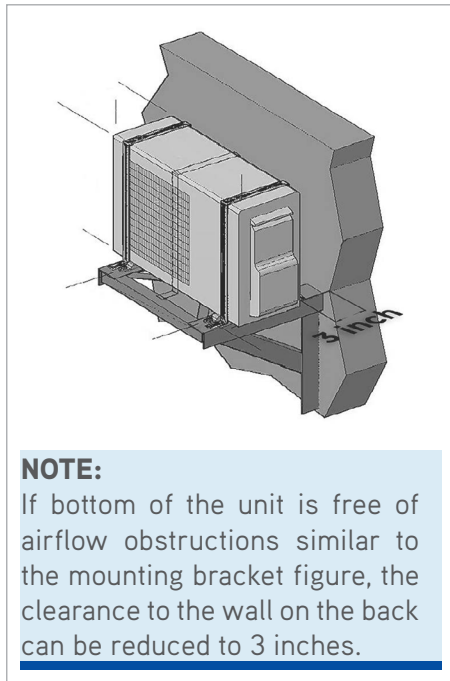
|   |          |
|---|----------|
| A | 29-21/64 |
| B | 32-3/8   |
| C | 21-11/16 |
| D | 11-13/16 |
| E | 13-7/8   |
| F | 20-5/32  |
| G | 13-5/64  |



## CLEARANCES

### OUTDOOR UNIT

Minimum clearance



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