

Submittal Data: TM18H20 18,000 BTU/H Heat- Pump System

Job Name Location Date

Purchaser Engineer

Submitted To For Reference Approval Construction

Unit Designation Schedule No.

- GENERAL FEATURES**
- Dual Indoor Units Comfort (2-Port)
 - G10 DC Inverter Technology
 - Quiet Operation - Both Indoor & Outdoor
 - Wireless Remote Controller
 - Optional Wired Remote Controller (PN: MC207059)
 - Gold Fin Coil Coating
 - Intelligent Defrost
 - Auto Restart on Power Outages



System Ratings

| | |
|-------------------|--------------------|
| Cooling | |
| Rated Capacity | 18,000 BTU/H |
| Capacity Range | 7,000-21,000 BTU/H |
| Power Input (Max) | 6155 W |
| SEER | 16.0 |

Outdoor Unit Data

| | | |
|--|-----------------------------|---------------------------|
| Compressor | Type | DC Inverter Driven Rotary |
| | RLA | 9.6A |
| Fan Motor | Output Power | 60 W |
| | FLA | 0.6 A |
| | Air Flow (Max) | 1530 CFM |
| Sound Power (Per AHRI 270 and AHRI 350) | | |
| | Cooling | 66 db(A) |
| | Heating | 66 db(A) |
| Dimensions & Weights | | |
| | Unit Dimensions (LxHxD) | 37.2 x 27.6 x 15.6 -in |
| | Weight (Net/Shipping) | 134/146 LBS |
| | Min. Number of Indoor Units | 2 |
| | Max. Number of Indoor Units | 2 |

| | |
|-------------------------|--------------------|
| Heating at 47° F | |
| Rated Capacity | 19,000 BTU/H |
| Capacity Range | 8,530-22,600 BTU/H |
| Input Power (Max) | 1,640 W |
| HSPF | 8.2 |

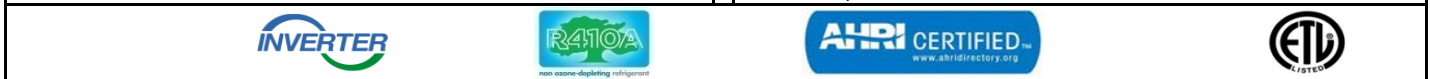
| | |
|-------------------------|-------------|
| Heating at 17° F | |
| Rated Capacity | 9,600 BTU/H |

| | | |
|------------------------|-------|--------------|
| Operating Range | | |
| Cooling | (Max) | 118°F (48 C) |
| | (Min) | 23°F (-5 C) |
| Heating | (Max) | 80°F (27 C) |
| | (Min) | 5°F (-15 C) |

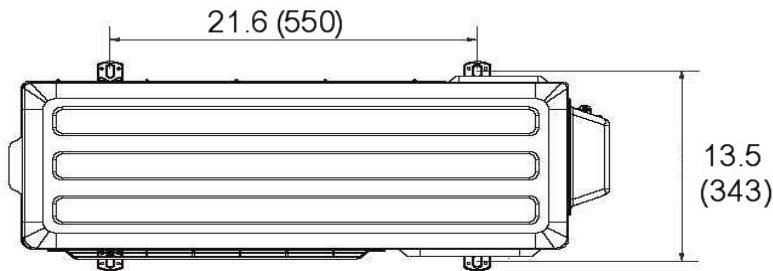
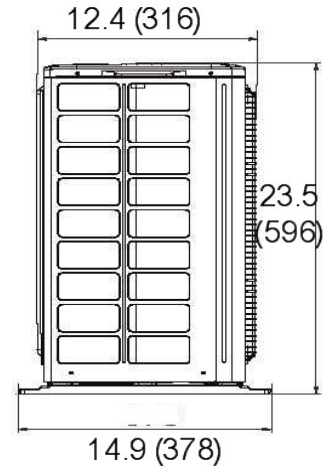
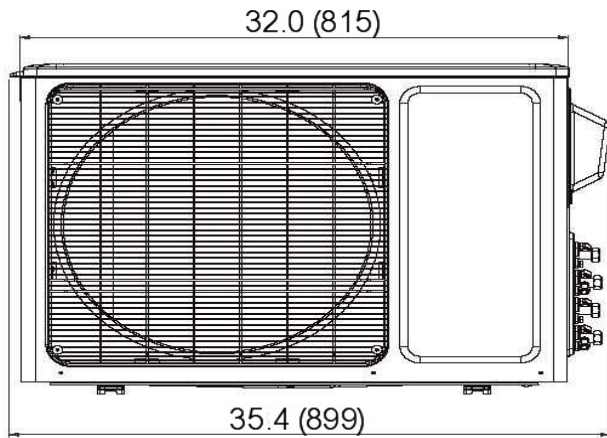
Refrigerant Piping Data

| | |
|--|-----------|
| Refrigerant Type | R410A |
| Connection Method | Flared |
| Factory Charge for Total Line Length | 33-ft |
| Additional Charge Per Line Length | 0.2-oz/ft |
| Total Refrigerant Pipe Length | 66-ft |
| Max Refrigerant Piping Length to any Indoor Unit | 33-ft |
| Min Refrigerant Piping Length to any Indoor Unit | 10-ft |
| Max Elevation between Indoor Units | 16.5-ft |
| Max Lift from Outdoor to Indoor Unit | 16.5-ft |
| Max Drop from Outdoor to Indoor Unit | 16.5-ft |

| | |
|---------------------------------|---------------------------|
| Power Supply | |
| Normal Operational Voltage | 208/230 V, 1 Phase, 60 Hz |
| Voltage Range | 187 - 253 V |
| Main Power Wire Size | 12-2 AWG |
| Interconnecting Cable Wire Size | 14-4 AWG |
| MCA | 13.0 A |
| MOCP/Breaker Size | 20 A |



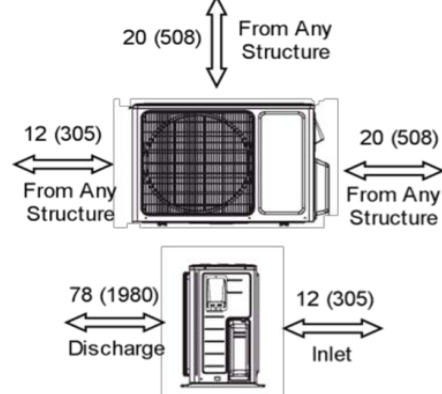
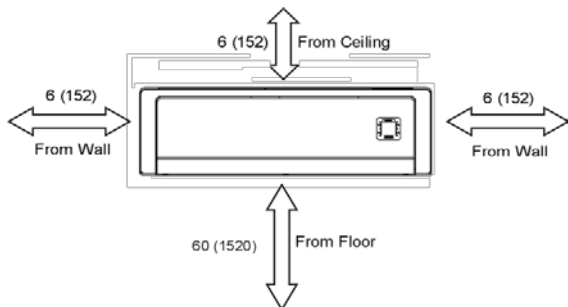
Units: inch (mm)



| | |
|----------------------|------------------|
| Liquid Line Valve #1 | 3/8-in OD Flared |
| Liquid Line Valve #2 | 3/8-in OD Flared |
| Gas Line Valve | 1/4-in OD Flared |

MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



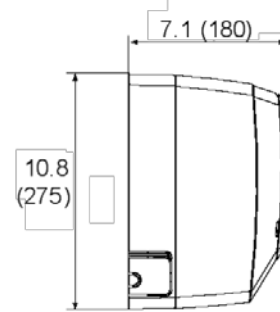
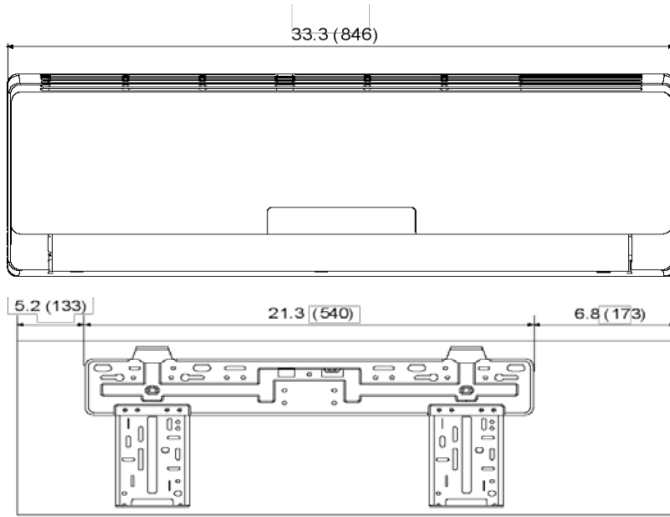
Notes:

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

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.

Units: inch (mm)

9,000 AND 12,000 BTUH MODELS



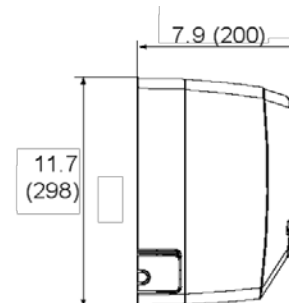
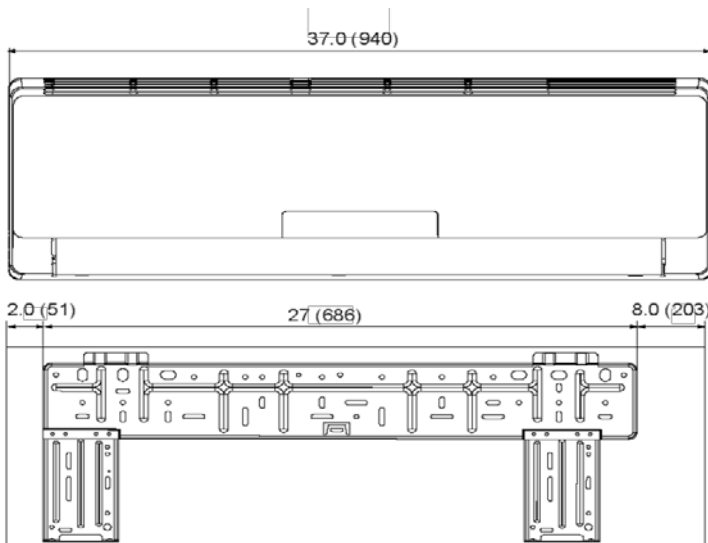
| | |
|-------------------|------------------|
| Liquid Line Valve | 1/4-in OD Flared |
| Gas Line Valve | 3/8-in OD Flared |
| Drain Connector | 5/8-in OD |

Note: Size Refrigerant lines based on evaporator port sizes.

| Indoor Capacity Size | Fan (watts) | CFM (High) | Sound Power (Low/High)** |
|----------------------|-------------|------------|--------------------------|
| 9,000 BTUH | 20 | 330 | 26/41 |
| 12,000 BTUH | 20 | 341 | 28/42 |

Units: inch (mm)

18,000 BTUH MODEL



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

Note: Size Refrigerant lines based on evaporator port sizes.

| Indoor Capacity Size | Fan (watts) | CFM (High) | Sound Power (Low/High)** |
|----------------------|-------------|------------|--------------------------|
| 18,000 BTUH | 20 | 500 | 35/46 |

**Sound Power ratings are per AHRI 270 and AHRI 350

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.

COOLING CAPACITY (BTUH)

| Indoor Combinations | Indoor Unit A | Indoor Unit B | Indoor Unit C | Indoor Unit D | Indoor Unit E |
|---------------------|---------------|---------------|---------------|---------------|---------------|
| 9K + 9K | 9,000 | 9,000 | NA | NA | NA |
| 9K + 12K | 9,000 | 12,000 | NA | NA | NA |

HEATING CAPACITY (BTUH)

| Indoor Combinations | Indoor Unit A | Indoor Unit B | Indoor Unit C | Indoor Unit D | Indoor Unit E |
|---------------------|---------------|---------------|---------------|---------------|---------------|
| 9K + 9K | 9,500 | 9,500 | NA | NA | NA |
| 9K + 12K | 9,500 | 13,000 | NA | NA | NA |

Capacity data is based on the following conditions :

Cooling Norminal Test Conditions

Indoor: 80°F DB/67°F WB
 Outdoor: 95°F DB/75°F WB

Heating Norminal Test Conditions

Indoor: 70°F DB/60°F WB
 Outdoor: 47°F DB/43°F W