

2/3 Ton Inverter Split System Heat Pump System

GXH24-36MSK4DH and GMH24-36MSK4DH



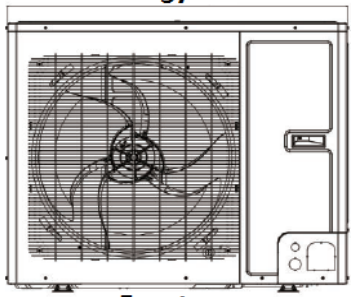
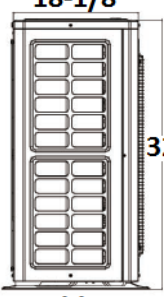
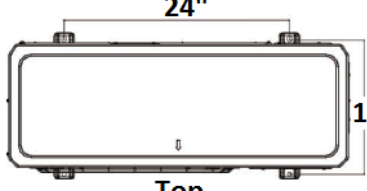
Inverter Split System Features and Benefits:

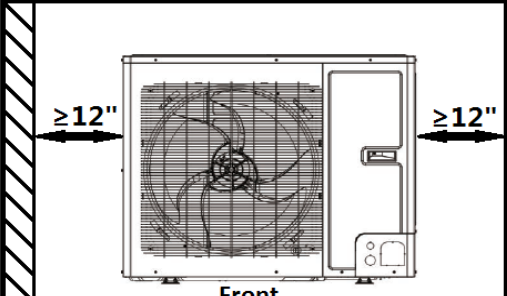
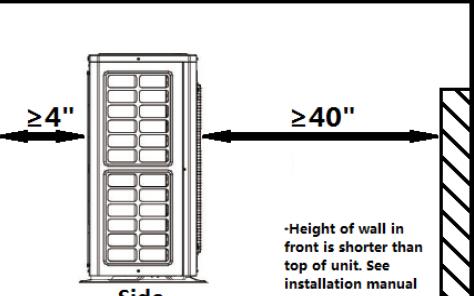
- High efficiency heat pump system; up to 20 SEER and 10.5 HSPF
- Unparalleled heating performance; rated to -22°F with 100% nominal capacity to as low as -5°F
- 100% cooling capacity up to 115°F
- Fully-inverter-driven compressor is controlled in 1hz steps, outperforming few-speed compressors
- Side discharge outdoor Unit provides greater installation flexibility, requiring less space
- Capable of a braze-free installation, eliminating corrosive contaminants
- One system with two capacities set via the flip of a dip switch
- Long life PVE oil that does not break down in the presence of moisture
- One of the quietest outdoor units on the market
- Outdoor unit is sea coast rated showing no unexpected corrosion in 1500 hr salt spray test
- Control board indicates errors on easy-to-read display; no counting flashes
- Compatible with most 24V heat pump thermostats; non-communicating
- Multi-level self protection ensures a long, trouble-free equipment life
- Intelligent defrost ensures defrost operation only operates when needed
- Built-in base pan heater provides protection from freezing and ice build-up
- Built-in crankcase heater protects the compressor
- Fits standard mini-split-style outdoor unit wall brackets
- 10 Year, transferable, parts and compressor warranty; no registration requirement
- Includes Flexible Suction Line Connector for easily routing piping through the side or back
- Accumulator and oil separator protects the compressor
- Refrigerant Adjustment Tank removes or adds refrigerant to the circuit as needed
- Pre-charged for 31 feet of line set. No refrigerant adjustment needed for less than 31'
- Copper-tube/aluminum fin outdoor and indoor coil
- Independent lab-tested and verified heating operation to -22°F (78% of nominal capacity)
- Independent lab-tested and verified cooling operation to 130°F (78% of nominal capacity)

| | | | |
|----------------------------------|--|----------------------------------------------------|--|
| Submittal: GXH24-36MSK4DH | | 2/3 Ton Inverter Split System Heat Pump ODU | |
| Job Name: | | Location: | |
| Purchaser: | | Date: | |
| Submitted To: | | Engineer: | |
| Unit Designation: | | For: | |
| Schedule #: | | | |

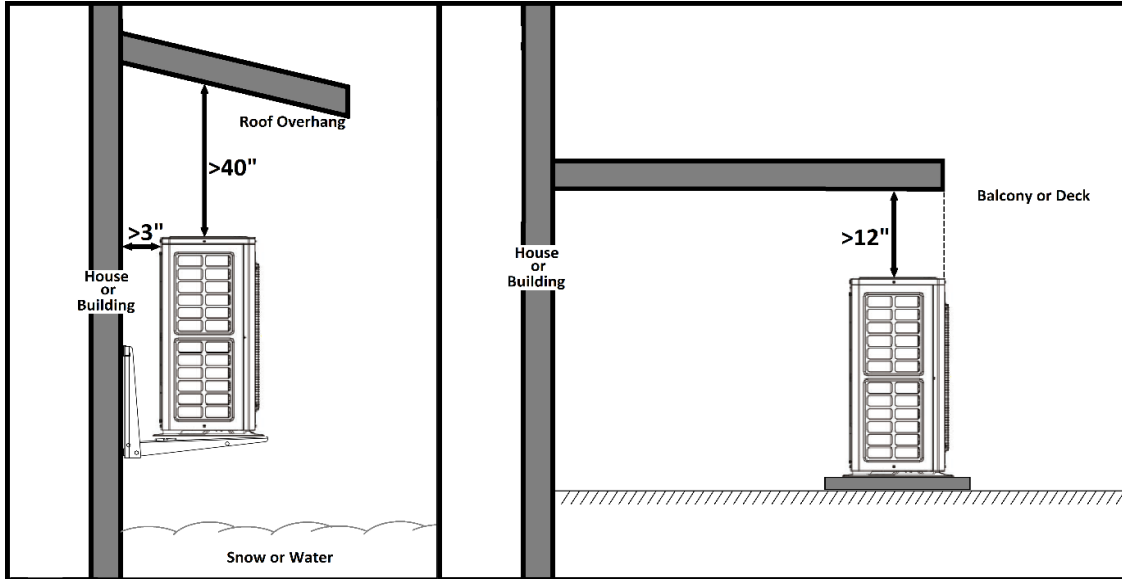
| SYSTEM RATINGS | OUTDOOR UNIT DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>Rated Capacities</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th style="text-align: center;">2 Ton</th> <th style="text-align: center;">3 Ton</th> </tr> <tr> <td>Rated Cooling Capacity:</td> <td style="text-align: center;">24,000</td> <td style="text-align: center;">36,000</td> </tr> <tr> <td>Rated Heating Capacity:</td> <td style="text-align: center;">24,000</td> <td style="text-align: center;">36,000</td> </tr> </table> <p>Efficiencies</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SEER:</td> <td style="text-align: center;">20</td> <td style="text-align: center;">18</td> </tr> <tr> <td>HSPF:</td> <td style="text-align: center;">10.5</td> <td style="text-align: center;">10</td> </tr> <tr> <td>EER (95°):</td> <td style="text-align: center;">12.5</td> <td style="text-align: center;">11</td> </tr> </table> <p>Power Supply</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Voltage (Min-Max):</td> <td style="text-align: center;">187-253</td> <td style="text-align: center;">187-253</td> </tr> <tr> <td>MCA:</td> <td style="text-align: center;">24</td> <td style="text-align: center;">24</td> </tr> <tr> <td>MOCP:</td> <td style="text-align: center;">30</td> <td style="text-align: center;">30</td> </tr> </table> <p>Ambient Operating Ranges</p> <p style="text-align: right;">Cooling: 5~130°F</p> <p style="text-align: right;">Heating: -22~75°F</p> <p style="text-align: right;">Max. Sound Pressure dB(A): 62 dB</p> | | 2 Ton | 3 Ton | Rated Cooling Capacity: | 24,000 | 36,000 | Rated Heating Capacity: | 24,000 | 36,000 | SEER: | 20 | 18 | HSPF: | 10.5 | 10 | EER (95°): | 12.5 | 11 | Voltage (Min-Max): | 187-253 | 187-253 | MCA: | 24 | 24 | MOCP: | 30 | 30 | <p>Compressor</p> <p style="text-align: right;">Type: Inverter Rotary</p> <p style="text-align: right;">RLA: 16</p> <p style="text-align: right;">Model: QXFT-F310zN450</p> <p style="text-align: right;">Oil: Polyvinylether (PVE)</p> <p>Fan Motor</p> <p style="text-align: right;">Type: Brushless DC</p> <p style="text-align: right;">RLA: 0.53</p> <p style="text-align: right;">Model: B-SWZ150A</p> <p>Physical Characteristics</p> <p style="text-align: right;">Net Weight (lbs): 217.2</p> <p style="text-align: right;">Gross Weight (lbs): 240.3</p> <p style="text-align: right;">Height: 37"</p> <p style="text-align: right;">Width: 32-1/4"</p> <p style="text-align: right;">Depth: 18-1/8"</p> |
| | 2 Ton | 3 Ton | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated Cooling Capacity: | 24,000 | 36,000 | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| MOCP: | 30 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Refrigerant Piping Data | | | |
|----------------------------------|------------------------------------|--|--|
| Refrigerant Type: R-410A | Max. Piping Length (ft): 98.4 | | |
| Pre-charged Amount (lbs): 9.3 | Max. Piping Height (ft): 49.2 | | |
| Pre-Charged Length (ft): 31.1 | ODU Connection Size (Liquid): 3/8" | | |
| Additional amount (Oz/ft.): 0.32 | ODU Connection Size (Gas): 3/4" | | |

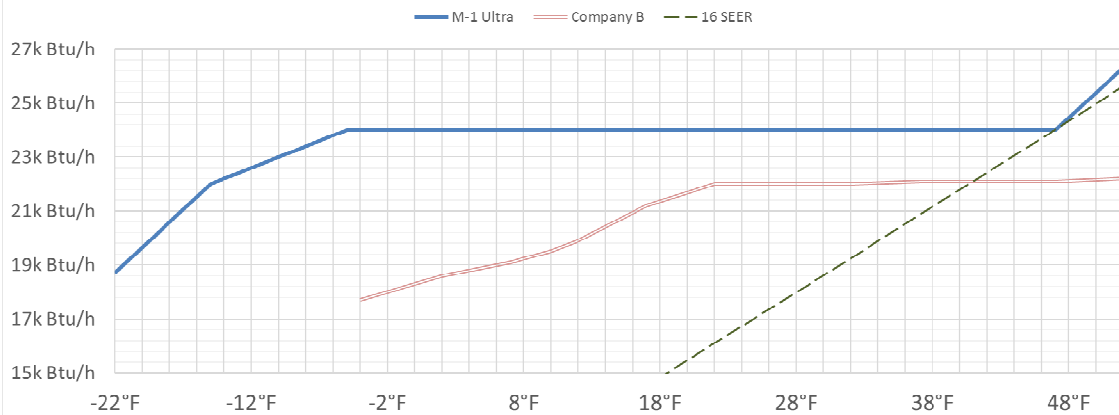
| Outdoor Unit Dimensions | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p style="text-align: center;">37"</p> <p style="text-align: center;">Front</p> |  <p style="text-align: center;">18-1/8"</p> <p style="text-align: center;">32-1/4"</p> <p style="text-align: center;">Side</p> |
|  <p style="text-align: center;">24"</p> <p style="text-align: center;">19-1/8"</p> <p style="text-align: center;">Top</p> | |

| Typical Installation Minimum Clearances | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p style="text-align: center;">≥12"</p> <p style="text-align: center;">Front</p> |  <p style="text-align: center;">≥4"</p> <p style="text-align: center;">≥40"</p> <p style="text-align: center;">Side</p> <p style="font-size: small; text-align: right;">-Height of wall in front is shorter than top of unit. See installation manual for more detail.</p> |

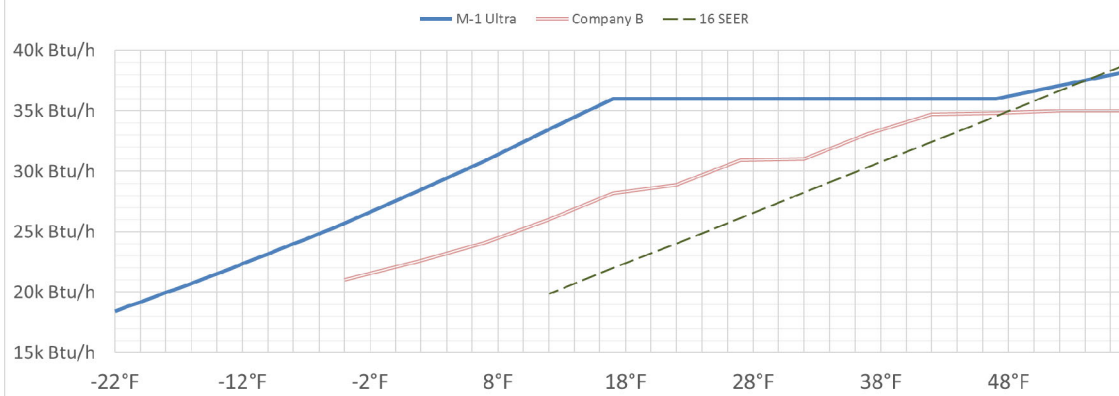
Covered Installation Examples



Heating Capacity Comparison (2 Ton)



Heating Capacity Comparison (3 Ton)



Specifications & illustrations are subject to change without notice or incurring obligations.
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ODU SKU:1032997
IDU SKU: 1032999



Inverter Split System Indoor Unit Features and Benefits:

- Indoor coil is epoxy-resin coated showing no unexpected corrosion in 500 hr salt spray test
- High-Efficiency ECM Blower Motor
- Electric Heat Kits are Available in Various kW Ratings
- Isolation Valves on the Indoor Unit Reduce Evacuation Time
- Conveniently-Located Indoor Service Valves
- Includes Flexible Suction Line Connector for Easier Installation

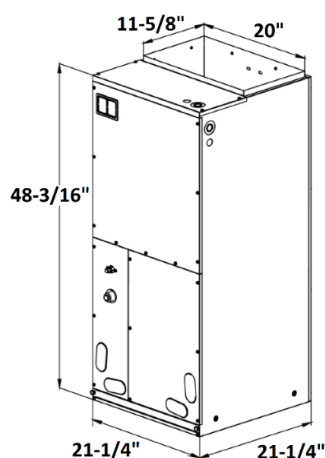
Blower Data

| | 2 Ton | 3 Ton |
|----------------|----------|----------|
| CFM (Max/Min): | 1083/447 | 1330/589 |
| Output (W): | 294 | 370 |
| RLA: | 1.6 | 2 |

Power Supply

| | | |
|--------------------|---------|---------|
| Voltage (Min-Max): | 187-253 | 187-253 |
| MCA/MOCP: | 4/15 | 4/15 |

Dimensions



Physical Characteristics

| | |
|-------------------|-------------|
| Net Weight (lbs): | 156.5 |
| Dimensions (in.): | W: 21-1/4" |
| | D: 21-1/4" |
| | H: 48-3/16" |

Piping Connection Size

| | |
|-------------------------------|------|
| ODU Connection Size (Liquid): | 3/8" |
| ODU Connection Size (Gas): | 3/4" |

Installation Clearances

