


**Outdoor Units**

All communication wiring is 18/2 Stranded. Shielding is not required.

| Nominal Capacity   | SEER2           | EER2              | HSPF2            | Model Number     | Min/Max Connections | Pipe Connections | Max Lift (ft.) | Min Line Length (ft.) | Change to Max Line Length (ft.) (Actual) | Factory Charge                  | MCA  | MOCP | Rec. Breaker | Rated Cooling / Heating Capacity | Operating Range | AHRI Number                       | Outdoor Dimensions  |                      |
|--|-----------------|-------------------|------------------|------------------|---------------------|------------------|----------------|-----------------------|--|---------------------------------|------|------|--------------|----------------------------------|-----------------|-----------------------------------|---|----------------------|
| <b>Standard Heating Models (SYSTEM PERFORMANCE Non-Ducted/Ducted/Mixed Indoor Units)</b> |                 |                   |                  |                  |                     |                  |                |                       |  | <b>Single Zone Piping Rules</b> |      |      |              |                                  |                 |                                   |   |                      |
| 24,000   | 18/18           | 10.5/11           | 8.5/8            | GMV-24WL/C-T(U)  | <b>1/4</b>          | 3/8x5/8          | 98/98          | 10                    | 328                                      | 5.3 lbs.                        | 21   | 25   | 25           | 24,000 / 28,000                  | -4 - 118°F      | 204344210 / 202242130             | <b>2 / 2.5 Ton</b>  | <b>3 / 4 / 5 Ton</b> |
| 28,000   | 18/16.5         | 10.5/10           | 8.5/7.5          | GMV-28WL/C-T(U)  | <b>1/4</b>          | 3/8x5/8          | 98/98          | 10                    | 328                                      | 5.3 lbs.                        | 21   | 30   | 30           | 28,000 / 32,000                  | -4 - 118°F      | 204344211 / 202541562             | (H x W x D)   | (H x W x D)          |
| 36,000   | 22 / 18 / 20.75 | 11.5 / 11 / 12.25 | 9.8 / 8.2 / 8.85 | GMV-36WL/C-T(U)  | <b>1/7</b>          | 3/8x5/8          | 164/131        | 10                    | 394                                      | 7.3 lbs.                        | 28.5 | 35   | 30           | 37,600 / 42,000                  | -4 - 118°F      | 206335353 / 206335356 / 213927641 | 31-1/8 x 38-9/16 x 14-3/16  | 53 x 35-3/8 x 13-3/8 |
| 48,000   | 22 / 16 / 19.55 | 10.5 / 9.2 / 11   | 9.8 / 8.5 / 8.88 | GMV-48WL/C-T(U)  | <b>1/8</b>          | 3/8x5/8          | 164/131        | 10                    | 394                                      | 7.3 lbs.                        | 33   | 40   | 40           | 48,000 / 54,000                  | -4 - 118°F      | 206335354 / 206335357 / 213927639 |   |                      |
| 60,000   | 20 / 18 / 19    | 10.5 / 10 / 10    | 9.8 / 8.5 / 8.75 | GMV-60WL/C-T(U)  | <b>1/10</b>         | 3/8x3/4          | 164/131        | 10                    | 394                                      | 10.11 lbs.                      | 34.5 | 40   | 40           | 60,000 / 64,000                  | -4 - 118°F      | 206335355 / 206335358 / 213927640 |   |                      |
| <b>Ultra Heating Models (SYSTEM PERFORMANCE Non-Ducted/Ducted/Mixed Indoor Units)</b>    |                 |                   |                  |                  |                     |                  |                |                       |  |                                 |      |      |              |                                  |                 |                                   |   |                      |
| 36,000   | 23/20.75/18.5   | 13/12.25/11.5     | 9/8.85/8.7       | GMV-V36WL/C-T(U) | <b>1/7</b>          | 3/8x5/8          | 164/131        | 10                    | 213                                      | 8.82 lbs.                       | 33.8 | 35   | 40           | 36,000 / 36,000                  | -22 - 129°F     | 211698448 / 213927641 / 211698446 |  |                      |
| 48,000   | 22/19.55/17.1   | 11.5/11/10.5      | 9.2/8.88/8.55    | GMV-V48WL/C-T(U) | <b>1/8</b>          | 3/8x5/8          | 164/131        | 10                    | 213                                      | 8.82 lbs.                       | 38.8 | 40   | 40           | 48,000 / 48,000                  | -22 - 129°F     | 211698447 / 213927639 / 211698445 |   |                      |
| 60,000   | 21/19/17        | 11/10/9           | 9.2/8.75/8.3     | GMV-V60WL/C-T(U) | <b>1/10</b>         | 3/8x3/4          | 164/131        | 10                    | 213                                      | 9.7 lbs.                        | 38.8 | 40   | 40           | 60,000 / 60,000                  | -22 - 129°F     | 211694660 / 213927640 / 211698444 |   |                      |

**Common Indoor Units**

| Wall Mount   | Compact Cassette  | Standard Cassette   | One Way Cassette  | Two Way Cassette  | Console  | Floor Ceiling   | Slim Ducted   | Multi Position Air Handler  | Electric Heater Kit Models  |
|--|---|---|---|---|--|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| GMV-ND06G/B4B-T(U)   | GMV-ND05T/E-T(U)  |   |   |   |  |   |   |   |   |
| GMV-ND07G/B4B-T(U)   | GMV-ND07T/E-T(U)  |   | GMV-ND07TD/A-T(U)   |   | GMV-ND07C/A-T(U)   |   | GMV-ND07PHS/B-T(U)  |   |   |
| GMV-ND09G/B4B-T(U)   | GMV-ND09T/E-T(U)  |   | GMV-ND09TD/A-T(U)   | GMV-ND09TS/B-T(U)   | GMV-ND09C/A-T(U)   |   | GMV-ND09PHS/B-T(U)  | GMV-ND09A/B-T(U)  |   |
| GMV-ND12G/B4B-T(U)   | GMV-ND12T/E-T(U)  | GMV-ND12T/C-T(U)  | GMV-ND12TD/A-T(U)   | GMV-ND12TS/B-T(U)   | GMV-ND12C/A-T(U)   | GMV-ND12ZD/A-T(U)   | GMV-ND12PHS/B-T(U)  | GMV-ND12A/B-T(U)  |   |
|  | GMV-ND15T/E-T(U)  |   |   |   |  |   |   |   |   |
| GMV-ND18G/B4B-T(U)   | GMV-ND18T/E-T(U)  | GMV-ND18T/C-T(U)  |   | GMV-ND18TS/B-T(U)   | GMV-ND18C/A-T(U)   | GMV-ND18ZD/A-T(U)   | GMV-ND18PHS/B-T(U)  | GMV-ND18A/B-T(U)  |   |
| GMV-ND24G/B4B-T(U)   |   | GMV-ND24T/C-T(U)  |   | GMV-ND24TS/B-T(U)   |  | GMV-ND24ZD/A-T(U)   | GMV-ND24PHS/B-T(U)  | GMV-ND24A/B-T(U)  |   |
| GMV-ND30G/B4B-T(U)   |   |   |   |   |  |   |   | GMV-ND30A/B-T(U)  |   |
| GMV-ND36G/B4B-T(U)   |   | GMV-ND36T/C-T(U)  |   |   |  | GMV-ND36ZD/A-T(U)   | GMV-ND36PHS/B-T(U)  | GMV-ND36A/B-T(U)  |   |
|  |   |   |   |   |  |   |   | GMV-ND42A/B-T(U)  |   |
|  |   | GMV-ND48T/C-T(U)  |   |   |  | GMV-ND48ZD/A-T(U)   | GMV-ND48PHS/B-T(U)  | GMV-ND48A/B-T(U)  |   |
|  | <b>Compact Grille</b>   | <b>Standard Grille</b>  | <b>One Way Grille</b>   | <b>Two Way Grille</b>   |  |   | GMV-ND54PHS/B-T(U)  |   |   |
|  | TF05  | TF06  | TD01  | TE03  |  |   |   | GMV-ND60A/B-T(U)  |   |

**Combination Rules**

| Outdoor Unit Model | Max IDU Connected | Min IDU Connected Capacity (BTU) (50%) | Max IDU Connected Capacity (BTU) (125%)* |
|--------------------|-------------------|--|--|
| GMV-24WL/C-T(U)    | 4                 | 12000                                  | 30000                                    |
| GMV-28WL/C-T(U)    | 4                 | 14000                                  | 35000                                    |
| GMV-36WL/C-T(U)    | 7                 | 18000                                  | 45000                                    |
| GMV-48WL/C-T(U)    | 8                 | 24000                                  | 60000                                    |
| GMV-60WL/C-T(U)    | 10                | 30000                                  | 75000                                    |
| GMV-V36WL/C-T(U)   | 7                 | 18000                                  | 45000                                    |
| GMV-V48WL/C-T(U)   | 8                 | 24000                                  | 60000                                    |
| GMV-V60WL/C-T(U)   | 10                | 30000                                  | 75000                                    |

Use the MultiPRO Selector software available at GreeComfort.com for systems using multiple Y-Branched, multiple headers, or combinations of Y-Branched and Headers. See "Ba- sic Piping Rules Defined" below.









\*For systems above 125%, the MultiPRO Selector software must be used.

**Control Options**

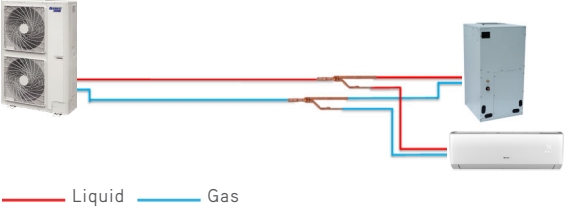
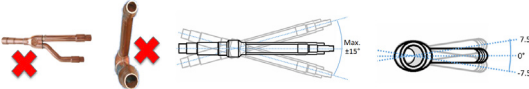
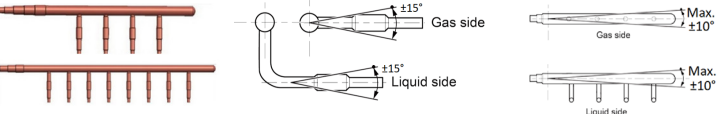
|  |   |   |   |   |  |  |                              |  |   |                                       |   |
|--|---|---|---|---|--|--|------------------------------|--|---|---------------------------------------|---|
|  | Wired Controller (Included with all Horizontal Ducted Units and AHU Kits). Optional for all others. |  | Wireless remote control (Included with Ductless Units). |  | Included with Multiposition Air Handler. Optional for Others. Controller with 7-day programmable function, Max. Indoor unit connectable is 16. |  | CE52-24/F Central Controller | Enables centralized local control. Can control and monitor up to 16 MultiPRO Systems with up to 255 indoor units. Expanded option also available. Enables 7-Day programming, grouping, and function lockout. |  | ME32-33/H 24V and Dry Contact Adapter | Enables the use of third-party 24V thermostat and other control systems that utilizes dry contacts. |
| <b>XK46</b>  |   | <b>YAPIF</b>  |   | <b>XE70-33/H XE7C-24HC</b>  |  |  |                              |  |   |                                       |   |

\*This guide is to be used for reference only and is not intended to replace the Installation Instructions or the design software. Always read and follow the software outputs and the Installation Instructions.\*

**Accessories**

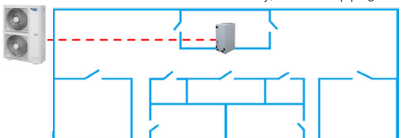
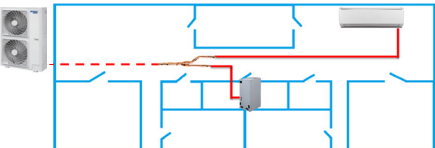
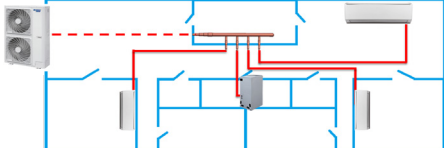
|  |  |   |   |   |  |   |  |
|--|--|---|---|---|--|---|--|
|  | Provides a single connection for power for dual-circuit heat kits. For use with the following models and their corresponding, compatible electric heat kits: |  | <b>MultiPRO Centralized Power Kit</b><br><br>Enables the providing of fused high voltage power from the outdoor unit.<br><br>Limit 15A  |   | Allows the use of Multi-Position Air Handlers in downflow applications. For use with the following models and their corresponding, compatible downflow kits:   |  | Provides superior air filtration with low static pressure losses. For use with the following models and their corresponding, compatible filter boxes:  |
| <b>FLEXSPCKIT</b><br><br>Single Point Wiring Kit for Electric Heat Kits          | GMV-ND42A/B-T(U) FLEXXHTR15KW<br>GMV-ND48A/B-T(U) FLEXXHTR20KW<br>GMV-ND54A/B-T(U)<br>GMV-ND60A/B-T(U)   | <b>GMVSPK1</b><br><br><b>MultiPRO Centralized Power Kit</b>                       |   | <b>Multi-Position Air Handler Downflow Kit</b>                                      | GMV-ND36A/B-T(U) CF8081<br>GMV-ND42A/B-T(U) CF8081<br>GMV-ND48A/B-T(U) CF8082<br>GMV-ND54A/B-T(U) CF8082<br>GMV-ND60A/B-T(U) CF8082  | <b>Horizontal Ducted MERV 13 Filter Boxes</b>                                       | GMV-ND(07,09)PHS-BT(U) GFBHS-1<br>GMV-ND(12-24)PHS-BT(U) GFBHS-2<br>GMV-ND(30-54)PHS-BT(U) GFBHS-3   |
|  | Enables remote monitoring and control of MultiPRO systems with up to six indoor units via a plug-and-play device and iocControl app for smartphones.         |  | Enables remote monitoring and control of up to 16 MultiPRO systems with up to 32 indoor units via a plug-and-play device and iocControl app for smartphones. Provides local BMS integration via BACnet IP/MSTP and/or Modbus RTU/TCP and Home Automation via Modbus IP/RTY/ASCII/Rest API |  | Enables remote monitoring and control of up to 16 MultiPRO systems with up to 255 indoor units via a plug-and-play device and iocControl app for smartphones. Provides local BMS integration via BACnet IP/MSTP and/or Modbus RTU/TCP and Home Automation via Modbus IP/RTY/ASCII/Rest API |  | Enables remote monitoring and control of MultiPRO systems via a plug-and-play device and iocControl app for smartphones. Each controlled indoor unit requires one CoolPlug. Up to 16 IDU/CoolPlugs can connect to a CoolLinkHub. |
| <b>GMVCGA01</b>  |  | <b>CoolMaster</b>   |   | <b>CoolMasterPRO</b>  |  | <b>CoolinkHub+CoolPlug</b>  |  |

**Refrigerant Piping Installation Guidelines & Descriptions**

|  |   |  |
|--|---|--|
| <p><b>Refrigerant Piping</b></p> <ul style="list-style-type: none"> <li>Heat Pump has two pipes, liquid and gas</li> <li>Both must be insulated</li> <li>System mode is set by a user-determined Main indoor unit</li> <li>Twenty inches must be maintained between elbows, headers, and Y-Branched</li> </ul>  <p>— Liquid — Gas</p> | <p><b>Y-Branches</b></p> <ul style="list-style-type: none"> <li>Specially designed for even distribution of refrigerant</li> <li>Each kit includes one Y-Branch for gas and one Y-Branch for liquid</li> <li>Simply use a tubing cutter for larger line sets</li> <li>If installed horizontally, they must be level</li> <li>If installed vertically, they must be plumb</li> <li>FQ01A/A is used for downstream capacities of less than 68kBtu</li> <li>FQ01B/A is used for downstream capacities of more than 68kBtu</li> </ul>  | <p><b>Headers</b></p> <ul style="list-style-type: none"> <li>Specially designed for even distribution of refrigerant and oil</li> <li>Each kit includes one Header for gas and one Header for liquid</li> <li>Simply use a tubing cutter for larger line sets</li> <li>Must be installed horizontally and they must be level</li> <li>Liquid header is built with downward facing offset for installation next to gas header</li> <li>FQ14/H1 is used for 4 units or less</li> <li>FQ18/H1 is used for 8 units or less</li> </ul>  |
|--|---|--|

**Basic Piping Rules Defined**

Note: The following is a basic set of rules for piping lengths. The MultiPRO systems are capable of far greater lengths and more complex configurations. Use our MultiPRO System Builder, MultiPRO Selector, or see installation manual for more details.

| SINGLE ZONE   |                                 |            |               | DUAL AND MULTIZONE |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
|---|---------------------------------|------------|---------------|--------------------|------|----------|----------|-------|---------------------------------|------|------|------|---------------------------|-----|------|------|---------------------------|-----|------|------|---|--|--|----------------------|--|--|--|--|--|--|--|--|--------|-----|--|--------------------|------|------|--|----------------------|------|------|--|--------------------|------|------|--|--------------------|------|------|--|--------------------|------|------|--|---|--|--|-------------------------------|--|--|------------|--------------|---------------------------------------|--|--|-----|-----|---------------------------------------|--|--|-----|-----|---------------------------|--|--|-----|-----|---------------------------|--|--|-----|-----|---|--|--|------------------------------|--|--|--|--|--|-------|--------|-----|-------|--------|-----|--------------------|------|------|------------|------|------|----------------------|------|------|--------------|------|------|--------------------|------|------|--------------|------|------|--------------------|------|------|---------------|------|------|--------------------|------|------|--------------|-----|-----|
| <table border="1"> <tr> <th>Single Zone Piping Limits</th> <th>2 and 2.5T</th> <th>3, 4, and 5T</th> <th>3, 4, and 5T</th> </tr> <tr> <td></td> <td>Standard</td> <td>Standard</td> <td>Ultra</td> </tr> <tr> <td>Max Length ODU to IDU: (Actual)</td> <td>328'</td> <td>394'</td> <td>213'</td> </tr> <tr> <td>Max Height ODU Above IDU:</td> <td>98'</td> <td>164'</td> <td>164'</td> </tr> <tr> <td>Max Height ODU Below IDU:</td> <td>98'</td> <td>131'</td> <td>131'</td> </tr> </table> | Single Zone Piping Limits       | 2 and 2.5T | 3, 4, and 5T  | 3, 4, and 5T       |      | Standard | Standard | Ultra | Max Length ODU to IDU: (Actual) | 328' | 394' | 213' | Max Height ODU Above IDU: | 98' | 164' | 164' | Max Height ODU Below IDU: | 98' | 131' | 131' | <table border="1"> <tr> <th colspan="4">Single Zone MultiPRO</th> </tr> <tr> <td colspan="4">The piping sizes are determined by ODU</td> </tr> <tr> <td></td> <th>Liquid</th> <th>Gas</th> <td></td> </tr> <tr> <td>2 Ton Outdoor Unit</td> <td>3/8"</td> <td>5/8"</td> <td></td> </tr> <tr> <td>2.5 Ton Outdoor Unit</td> <td>3/8"</td> <td>5/8"</td> <td></td> </tr> <tr> <td>3 Ton Outdoor Unit</td> <td>3/8"</td> <td>5/8"</td> <td></td> </tr> <tr> <td>4 Ton Outdoor Unit</td> <td>3/8"</td> <td>5/8"</td> <td></td> </tr> <tr> <td>5 Ton Outdoor Unit</td> <td>3/8"</td> <td>3/4"</td> <td></td> </tr> </table> <p>If necessary, reduce the piping size at the indoor unit</p>  |  |  | Single Zone MultiPRO |  |  |  | The piping sizes are determined by ODU |  |  |  |  | Liquid | Gas |  | 2 Ton Outdoor Unit | 3/8" | 5/8" |  | 2.5 Ton Outdoor Unit | 3/8" | 5/8" |  | 3 Ton Outdoor Unit | 3/8" | 5/8" |  | 4 Ton Outdoor Unit | 3/8" | 5/8" |  | 5 Ton Outdoor Unit | 3/8" | 3/4" |  | <table border="1"> <tr> <th colspan="3">Dual/Multi Zone Piping Limits</th> <th>2 and 2.5T</th> <th>3, 4, and 5T</th> </tr> <tr> <td colspan="3">Max Length IDU to Y-Branch or Header:</td> <td>98'</td> <td>98'</td> </tr> <tr> <td colspan="3">Max Length IDU to Y-Branch or Header:</td> <td>50'</td> <td>50'</td> </tr> <tr> <td colspan="3">Max Height ODU Above IDU:</td> <td>98'</td> <td>98'</td> </tr> <tr> <td colspan="3">Max Height ODU Below IDU:</td> <td>98'</td> <td>98'</td> </tr> </table> <p>Note: these are basic limitations. Actual limitations are far greater. Use MultiPRO System Builder, MultiPRO Selector, or see installation manuals for more details.</p>  |  |  | Dual/Multi Zone Piping Limits |  |  | 2 and 2.5T | 3, 4, and 5T | Max Length IDU to Y-Branch or Header: |  |  | 98' | 98' | Max Length IDU to Y-Branch or Header: |  |  | 50' | 50' | Max Height ODU Above IDU: |  |  | 98' | 98' | Max Height ODU Below IDU: |  |  | 98' | 98' | <table border="1"> <tr> <th colspan="6">Dual and Multi Zone MultiPRO</th> </tr> <tr> <th>Model</th> <th>Liquid</th> <th>Gas</th> <th>Model</th> <th>Liquid</th> <th>Gas</th> </tr> <tr> <td>2 Ton Outdoor Unit</td> <td>3/8"</td> <td>5/8"</td> <td>5 to 9kBtu</td> <td>1/4"</td> <td>3/8"</td> </tr> <tr> <td>2.5 Ton Outdoor Unit</td> <td>3/8"</td> <td>5/8"</td> <td>12 to 15kBtu</td> <td>1/4"</td> <td>1/2"</td> </tr> <tr> <td>3 Ton Outdoor Unit</td> <td>3/8"</td> <td>5/8"</td> <td>18 to 48kBtu</td> <td>3/8"</td> <td>5/8"</td> </tr> <tr> <td>4 Ton Outdoor Unit</td> <td>3/8"</td> <td>5/8"</td> <td>54 and 60kBtu</td> <td>3/8"</td> <td>3/4"</td> </tr> <tr> <td>5 Ton Outdoor Unit</td> <td>3/8"</td> <td>3/4"</td> <td>Above 60kBtu</td> <td>N/A</td> <td>N/A</td> </tr> </table> <p>If necessary, reduce the piping size at the indoor unit.</p>  |  |  | Dual and Multi Zone MultiPRO |  |  |  |  |  | Model | Liquid | Gas | Model | Liquid | Gas | 2 Ton Outdoor Unit | 3/8" | 5/8" | 5 to 9kBtu | 1/4" | 3/8" | 2.5 Ton Outdoor Unit | 3/8" | 5/8" | 12 to 15kBtu | 1/4" | 1/2" | 3 Ton Outdoor Unit | 3/8" | 5/8" | 18 to 48kBtu | 3/8" | 5/8" | 4 Ton Outdoor Unit | 3/8" | 5/8" | 54 and 60kBtu | 3/8" | 3/4" | 5 Ton Outdoor Unit | 3/8" | 3/4" | Above 60kBtu | N/A | N/A |
|   | Single Zone Piping Limits       | 2 and 2.5T | 3, 4, and 5T  | 3, 4, and 5T       |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
|   |                                 | Standard   | Standard      | Ultra              |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
|   | Max Length ODU to IDU: (Actual) | 328'       | 394'          | 213'               |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
|   | Max Height ODU Above IDU:       | 98'        | 164'          | 164'               |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| Max Height ODU Below IDU:   | 98'                             | 131'       | 131'          |                    |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| Single Zone MultiPRO  |                                 |            |               |                    |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| The piping sizes are determined by ODU  |                                 |            |               |                    |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
|   | Liquid                          | Gas        |               |                    |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| 2 Ton Outdoor Unit  | 3/8"                            | 5/8"       |               |                    |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| 2.5 Ton Outdoor Unit  | 3/8"                            | 5/8"       |               |                    |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| 3 Ton Outdoor Unit  | 3/8"                            | 5/8"       |               |                    |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| 4 Ton Outdoor Unit  | 3/8"                            | 5/8"       |               |                    |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| 5 Ton Outdoor Unit  | 3/8"                            | 3/4"       |               |                    |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| Dual/Multi Zone Piping Limits   |                                 |            | 2 and 2.5T    | 3, 4, and 5T       |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| Max Length IDU to Y-Branch or Header:   |                                 |            | 98'           | 98'                |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| Max Length IDU to Y-Branch or Header:   |                                 |            | 50'           | 50'                |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| Max Height ODU Above IDU:   |                                 |            | 98'           | 98'                |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| Max Height ODU Below IDU:   |                                 |            | 98'           | 98'                |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| Dual and Multi Zone MultiPRO  |                                 |            |               |                    |      |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| Model   | Liquid                          | Gas        | Model         | Liquid             | Gas  |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| 2 Ton Outdoor Unit  | 3/8"                            | 5/8"       | 5 to 9kBtu    | 1/4"               | 3/8" |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| 2.5 Ton Outdoor Unit  | 3/8"                            | 5/8"       | 12 to 15kBtu  | 1/4"               | 1/2" |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| 3 Ton Outdoor Unit  | 3/8"                            | 5/8"       | 18 to 48kBtu  | 3/8"               | 5/8" |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| 4 Ton Outdoor Unit  | 3/8"                            | 5/8"       | 54 and 60kBtu | 3/8"               | 3/4" |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |
| 5 Ton Outdoor Unit  | 3/8"                            | 3/4"       | Above 60kBtu  | N/A                | N/A  |          |          |       |                                 |      |      |      |                           |     |      |      |                           |     |      |      |   |  |  |                      |  |  |  |  |  |  |  |  |        |     |  |                    |      |      |  |                      |      |      |  |                    |      |      |  |                    |      |      |  |                    |      |      |  |   |  |  |                               |  |  |            |              |                                       |  |  |     |     |                                       |  |  |     |     |                           |  |  |     |     |                           |  |  |     |     |   |  |  |                              |  |  |  |  |  |       |        |     |       |        |     |                    |      |      |            |      |      |                      |      |      |              |      |      |                    |      |      |              |      |      |                    |      |      |               |      |      |                    |      |      |              |     |     |

\*This guide is to be used for reference only and is not intended to replace the Installation Instructions or the design software. Always read and follow the software outputs and the Installation Instructions.\*