### Nomenclature

<table>
<thead>
<tr>
<th>Series</th>
<th>M2</th>
<th>1</th>
<th>24</th>
<th>05</th>
</tr>
</thead>
<tbody>
<tr>
<td>S Series Wall Mount</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slab Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M2, M3, M5, M6, M7 = Aluminum</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K1, K2, K3, K6, K7, L1, L5, L6, L9 = Copper</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Metering Device&lt;sup&gt;[1]&lt;/sup&gt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 = Piston (R-410A)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 = Non-bleed HP TXV (R-410A)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<sup>[1]</sup> Note: Pull disconnect only

### Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
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<td>3</td>
</tr>
<tr>
<td>Electrical Data</td>
<td>4</td>
</tr>
</tbody>
</table>

<sup>[1]</sup> Electric Heat

- 05 = 5 kW (all sizes)
- 07 = 7.5 kW (all sizes)
- 10 = 10 kW (all sizes)

- Unit Size (Nominal MBTUH)
  - 18, 24, 30, 36 = 3-speed PSC motor
  - 19, 25, 31, 37, 39 = 5-speed ECM motor

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**Product Features**

**Cabinet & General Features**
- Flexible copper tubing for easy motor access.
- Low 30” height on models 18 – 37.
- Cabinets constructed of heavy-gauge, corrosion-resistant galvanized steel.
- Refrigerant connections located on top left.
- 5/8” foil-faced insulation for excellent sweat resistance and quiet operation.
- (4) Screw removal for easy access to all electrical connections.
- Dual condensate drain connections on left side, right side, and bottom of cabinet.
- 1” duct flanges on all models simplify attachment to plenums such as 1 1/2” ductboard.
- Air filter included with every air handler; no tools required for changeout.
- Decorative wall panel or closet panel available as accessory; both panels reduce published sound level.
- Wall hanging bracket available as accessory for field installation.
- Approved for installation in manufactured housing and mobile homes.

**Coil Features**
- AC or HP applications; R-22 & R-410A compatible.
- Light weight aluminum evaporator coil with aluminum header plate; copper coil available.
- Field or factory installed threaded expansion valve.
- Corrosion proof plastic drain pan.

**Electrical Features**
- 5-speed high efficiency ECM motor or PSC motor available.
- Easy to service electric heat section.
- 5, 7.5, or 10 kW heat kits standard factory installed on all models.
- Pull disconnect line voltage connection standard on all models.
- Includes thermostat connections, time delay (1 sec. on, 45 sec. off), & motor speed settings (PSC motor uses control board; functions are built into the 5-speed ECM motor).

**Physical Data**

<table>
<thead>
<tr>
<th>Physical Data</th>
<th>Unit Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>18</td>
</tr>
<tr>
<td>Available Volumes</td>
<td>208/240 V, 60 Hz, 1 Phase</td>
</tr>
<tr>
<td>Maximum Elec. Heat available (kW)</td>
<td>10</td>
</tr>
<tr>
<td>Transformer Size and Type</td>
<td>40VA, Class 2</td>
</tr>
<tr>
<td>Blower Data: 3-Speed PSC Motor</td>
<td>Motor H.P.</td>
</tr>
<tr>
<td>Blower Data: 5-Speed High Eff. ECM Motor</td>
<td>Motor H.P.</td>
</tr>
<tr>
<td>Wheel (dia.” x width”)</td>
<td>10 x 6</td>
</tr>
<tr>
<td>Nominal CFM</td>
<td>600</td>
</tr>
<tr>
<td>Air Filter Size (in)</td>
<td>20 x 20</td>
</tr>
<tr>
<td>R-410A Piston Size (in)</td>
<td>0.049</td>
</tr>
<tr>
<td>R-22 Piston Size (in)</td>
<td>0.053</td>
</tr>
<tr>
<td>Pallet Quantity (min order per model number)</td>
<td>4</td>
</tr>
<tr>
<td>Sound Level @ 0.3 Static w/o Wall Panel (dBA)</td>
<td>60</td>
</tr>
<tr>
<td>Copper Weights</td>
<td>78</td>
</tr>
<tr>
<td>Max Unit Weight (lbs)</td>
<td>85</td>
</tr>
<tr>
<td>Max Shipping Weight (lbs)</td>
<td>73</td>
</tr>
<tr>
<td>Aluminum Weights</td>
<td>80</td>
</tr>
<tr>
<td>Max Unit Weight (lbs)</td>
<td>80</td>
</tr>
</tbody>
</table>


Note: 18” clearance required in front of unit for filter and coil maintenance. Can be less if front panel is directly behind a louvered closet door; check local codes and regulations.

Note: Minimum order quantity of 4 per model number.
Blower Performance

3-Speed PSC Motor

<table>
<thead>
<tr>
<th>Unit Size</th>
<th>Cooling Speed Setting</th>
<th>Airflow (CFM) vs. External Static Pressure (inches W.C.)***</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>* Low - Red</td>
<td>0.1  0.2  0.3  0.4  0.5</td>
</tr>
<tr>
<td></td>
<td>Med - Blue</td>
<td>606  591  576  559  529</td>
</tr>
<tr>
<td></td>
<td>High - Black</td>
<td>802  784  751  722  693</td>
</tr>
<tr>
<td>24</td>
<td>* Med - Blue</td>
<td>1046 1013 987  943  885</td>
</tr>
<tr>
<td></td>
<td>High - Black</td>
<td>1061 1033 987  943  885</td>
</tr>
<tr>
<td>30</td>
<td>* Med - Blue</td>
<td>1000  985  970  935  889</td>
</tr>
<tr>
<td></td>
<td>High - Black</td>
<td>1218 1175 1122 1070 1008</td>
</tr>
<tr>
<td>36</td>
<td>* High - Black</td>
<td>1218 1175 1122 1070 1008</td>
</tr>
</tbody>
</table>

* Factory setting for cooling.
^ Factory setting for heating.
*** All airflow data is with a dry coil, filter, & electric heat.

5-Speed High Efficiency ECM Motor

<table>
<thead>
<tr>
<th>Unit Size</th>
<th>Cooling Speed Setting</th>
<th>Airflow (CFM) vs. External Static Pressure (inches W.C.)***</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>Tap 1</td>
<td>0.1  0.2  0.3  0.4  0.5</td>
</tr>
<tr>
<td></td>
<td>Tap 2</td>
<td>659  600  569  516  466</td>
</tr>
<tr>
<td></td>
<td>Tap 3</td>
<td>695  646  617  566  544</td>
</tr>
<tr>
<td></td>
<td>Tap 4</td>
<td>742  700  669  627  600</td>
</tr>
<tr>
<td>25</td>
<td>Tap 1</td>
<td>758  712  682  641  625</td>
</tr>
<tr>
<td></td>
<td>Tap 2</td>
<td>659  600  569  518  475</td>
</tr>
<tr>
<td></td>
<td>Tap 3</td>
<td>847  800  787  744  722</td>
</tr>
<tr>
<td></td>
<td>Tap 4</td>
<td>928  901  883  846  802</td>
</tr>
<tr>
<td>31</td>
<td>Tap 1</td>
<td>970  944  927  891  864</td>
</tr>
<tr>
<td></td>
<td>Tap 2</td>
<td>656  600  567  522  473</td>
</tr>
<tr>
<td></td>
<td>Tap 3</td>
<td>642  800  782  739  716</td>
</tr>
<tr>
<td>37</td>
<td>Tap 1</td>
<td>1059 1028 1004 972 946</td>
</tr>
<tr>
<td></td>
<td>Tap 2</td>
<td>1059 1028 1004 972 946</td>
</tr>
<tr>
<td></td>
<td>Tap 3</td>
<td>1106 1084 1053 1030 1000</td>
</tr>
<tr>
<td></td>
<td>Tap 4</td>
<td>1137 1108 1085 1055 1031</td>
</tr>
<tr>
<td>39</td>
<td>Tap 1</td>
<td>848  800  769  726  692</td>
</tr>
<tr>
<td></td>
<td>Tap 2</td>
<td>1051 1028 1000 956 930</td>
</tr>
<tr>
<td></td>
<td>Tap 3</td>
<td>1247 1215 1188 1161 1126</td>
</tr>
<tr>
<td></td>
<td>Tap 4</td>
<td>1310 1279 1254 1228 1200</td>
</tr>
<tr>
<td></td>
<td>Tap 5</td>
<td>1364 1334 1304 1279 1250</td>
</tr>
</tbody>
</table>

* Factory setting for cooling.
^ Factory setting for heating.
*** All airflow data is with a dry coil, filter, & electric heat.

Dimensions

<table>
<thead>
<tr>
<th>Air Handler Size</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 - 37</td>
<td>22</td>
<td>18.75</td>
<td>29.75</td>
</tr>
<tr>
<td>39</td>
<td>22</td>
<td>18.75</td>
<td>35.5</td>
</tr>
</tbody>
</table>

* Factory setting for cooling.
^ Factory setting for heating.
*** All airflow data is with a dry coil, filter, & electric heat.
### Electrical Data

#### 3-Speed PSC Motor

<table>
<thead>
<tr>
<th>Unit Size</th>
<th>Heating Capacity</th>
<th>Blower Amps</th>
<th>Minimum Circuit Ampacity</th>
<th>Circuit Breaker Amps Per Stage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>kW</td>
<td>BTUH</td>
<td>208 V</td>
<td>240 V</td>
</tr>
<tr>
<td>18</td>
<td>5.0</td>
<td>17,065</td>
<td>1.8</td>
<td>1.7</td>
</tr>
<tr>
<td></td>
<td>7.5</td>
<td>25,598</td>
<td>1.8</td>
<td>1.7</td>
</tr>
<tr>
<td></td>
<td>10.0</td>
<td>34,130</td>
<td>1.8</td>
<td>1.7</td>
</tr>
<tr>
<td>24</td>
<td>5.0</td>
<td>17,065</td>
<td>1.8</td>
<td>1.7</td>
</tr>
<tr>
<td></td>
<td>7.5</td>
<td>25,598</td>
<td>1.8</td>
<td>1.7</td>
</tr>
<tr>
<td></td>
<td>10.0</td>
<td>34,130</td>
<td>1.8</td>
<td>1.7</td>
</tr>
<tr>
<td>30</td>
<td>5.0</td>
<td>17,065</td>
<td>2.1</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>7.5</td>
<td>25,598</td>
<td>2.1</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>10.0</td>
<td>34,130</td>
<td>2.1</td>
<td>2.0</td>
</tr>
<tr>
<td>36</td>
<td>5.0</td>
<td>17,065</td>
<td>2.1</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>7.5</td>
<td>25,598</td>
<td>2.1</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>10.0</td>
<td>34,130</td>
<td>2.1</td>
<td>2.0</td>
</tr>
</tbody>
</table>

[1] For 208 Volts use .751 correction factor for kW & MBTUH.

#### 5-Speed High Efficiency ECM Motor

<table>
<thead>
<tr>
<th>Unit Size</th>
<th>Heating Capacity</th>
<th>Blower Amps</th>
<th>Minimum Circuit Ampacity</th>
<th>Circuit Breaker Amps Per Stage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>kW</td>
<td>BTUH</td>
<td>208 V</td>
<td>240 V</td>
</tr>
<tr>
<td>19</td>
<td>5.0</td>
<td>17,065</td>
<td>0.9</td>
<td>0.8</td>
</tr>
<tr>
<td></td>
<td>7.5</td>
<td>25,598</td>
<td>0.9</td>
<td>0.8</td>
</tr>
<tr>
<td></td>
<td>10.0</td>
<td>34,130</td>
<td>0.9</td>
<td>0.8</td>
</tr>
<tr>
<td>25</td>
<td>5.0</td>
<td>17,065</td>
<td>1.8</td>
<td>1.7</td>
</tr>
<tr>
<td></td>
<td>7.5</td>
<td>25,598</td>
<td>1.8</td>
<td>1.7</td>
</tr>
<tr>
<td></td>
<td>10.0</td>
<td>34,130</td>
<td>1.8</td>
<td>1.7</td>
</tr>
<tr>
<td>31</td>
<td>5.0</td>
<td>17,065</td>
<td>2.4</td>
<td>2.2</td>
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<td>25,598</td>
<td>2.4</td>
<td>2.2</td>
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<td>10.0</td>
<td>34,130</td>
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<td>2.2</td>
</tr>
<tr>
<td>37</td>
<td>5.0</td>
<td>17,065</td>
<td>3.1</td>
<td>2.9</td>
</tr>
<tr>
<td></td>
<td>7.5</td>
<td>25,598</td>
<td>3.1</td>
<td>2.9</td>
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<tr>
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<td>10.0</td>
<td>34,130</td>
<td>3.1</td>
<td>2.9</td>
</tr>
<tr>
<td>39</td>
<td>5.0</td>
<td>17,065</td>
<td>3.1</td>
<td>2.9</td>
</tr>
<tr>
<td></td>
<td>7.5</td>
<td>25,598</td>
<td>3.1</td>
<td>2.9</td>
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<tr>
<td></td>
<td>10.0</td>
<td>34,130</td>
<td>3.1</td>
<td>2.9</td>
</tr>
</tbody>
</table>

[1] For 208 Volts use .751 correction factor for kW & MBTUH.