ATWOOD RAPID HEAT FURNACES
Smarter, Lighter, Faster!
One-piece tubular design eliminates seams and welding for a more robust heat exchanger that maximizes air distribution.

Two-piece welded seam design with hard corners can produce hot/cold spots and uneven air distribution.
• Testing was performed at Progressive Engineering in Goshen, IN
• The Atwood AFMD30 (30K BTU) was tested against the Suburban SF-30Q (30K BTU)
• The same travel trailer was used for all tests
• The environmental chamber was set to 32 °F and the travel trailer soaked for a minimum of 15 hours
• Items Tested
  – Heater Performance
  – Airflow
  – Sound Levels
Atwood Avg. Temp is 12% quicker than the suburban average temperature.
Temperature Change

- Atwood Degree Change
- Suburban Degree Change

25% Greater
AIRFLOW COMPARISON

ATWOOD AFMD30

954
304
696

Total Airflow = 1954

44% More Airflow

SUBURBAN SF-30Q

682
277
394

Total Airflow = 1353

Test Parameters: Airflow was measured at each of the three heater floor vents using an anemometer (airflow meter).
Radius tubing allows the air to move more freely through and around the heat exchanger. Reduced air turbulence means a quieter furnace.

More air turbulence = Noisy furnace!
Atwood’s innovative tubular heat exchanger and use of composite materials provides class leading weight savings of up to 14% over other brands.
The rubber seal contains any potential gas leak resulting from a poor connection and provides added safety.

No gas line seal means a poor connection could lead to gas inside the coach.
Separating the gas combustion chamber from the blower area keeps potential gas leaks from circulating throughout the coach.

One chamber results in gas circulating throughout the coach if there is a leak.
EXTERIOR DOOR OPTIONS

ATWOOD OFFERS OPTIONS

Standard Mount Bezel Door

New trim ring with beveled edges give the door a more finished look.

Flush Mount Bezel Door

Recessed flange for a more flush mounted look.

*Atwood Flush Mount Available for Medium and Large Only

OTHER BRANDS LIMITED OPTIONS

Other brands only offer one option without the ability to provide a flush or finished look.
Industry leading duct configurations with 11 duct locations.

Limited duct configurations with only 6 ducts.
EASY HORIZONTAL OR VERTICAL INSTALLATION

ATWOOD FURNACES

Horizontal

Vertical

All models available for horizontal or vertical mount and no additional conversion kit required.

OTHER BRANDS

Conversion Kit Required

Vertical mount applications require an additional conversion kit.
Atwood saves 324 cubic inches

<table>
<thead>
<tr>
<th>Atwood AFS vs. Suburban NT/S-SE Dimensions</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Cubic Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atwood AFS*</td>
<td>12</td>
<td>7</td>
<td>20</td>
<td>1680</td>
</tr>
<tr>
<td>Suburban NT/S-SE</td>
<td>9 1/2</td>
<td>9 3/8</td>
<td>22 1/2</td>
<td>2004</td>
</tr>
<tr>
<td>Atwood Smaller</td>
<td>2 1/2</td>
<td>-2 3/8</td>
<td>-2 1/2</td>
<td>-324</td>
</tr>
</tbody>
</table>

*Vertical Mount Application

Atwood saves 116 ¼ cubic inches

<table>
<thead>
<tr>
<th>Atwood AFM vs. Suburban SF Dimensions</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Cubic Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atwood AFM</td>
<td>7 3/8</td>
<td>16 1/2</td>
<td>20</td>
<td>2433 3/4</td>
</tr>
<tr>
<td>Suburban SF</td>
<td>7 1/2</td>
<td>17</td>
<td>20</td>
<td>2550</td>
</tr>
<tr>
<td>Atwood Smaller</td>
<td>- 1/8</td>
<td>- 1/2</td>
<td>0</td>
<td>-116 1/4</td>
</tr>
</tbody>
</table>

Note: Cubic Inches = W” X H” X L”
Cubic inches are a measurement of volume and volume is the space an object occupies.
### SMART MODEL NUMBERS

#### New Smart Model Example

<table>
<thead>
<tr>
<th>Atwood Furnace</th>
<th>Cabinet Size</th>
<th>Voltage</th>
<th>Input BTU/h</th>
<th>Gas</th>
<th>Valve Manifold</th>
<th>Stages</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF</td>
<td>S = Small, M=Medium, L=Large, SA=Low Amps</td>
<td>D=DC, A=AC</td>
<td>12=12,000, 16=16000, 20=20,000, 25=25,000, 30=30,000, 35=35,000, 40=40,000</td>
<td>1=LP, 2=LP/NAT</td>
<td>1=Inside, 2=Outside (LD)</td>
<td>1 = Single 2-Two Stage</td>
</tr>
</tbody>
</table>

**Example:**

**Atwood Furnace:**
- Small
- DC
- LP

**Input BTU/h:**
- 12,000

**Valve Manifold:**
- Inside

**Stages:**
- Single Stage

**Example Model:**

**AFSD12121**
Maximum Air Distribution

44% More Airflow

Innovative Heat Exchanger

324 Cubic Inch Savings

Added Safety Features to Contain Potential LP Leaks

Heats 12% Faster

Up to 14% Lighter

Vertical or Horizontal Mount Options

Most Duct Configurations in Industry

20% Quieter
Ask us why we are better.
Over the years of running a mobile RV repair service, having a dedicated place to access service manuals for all the different appliances and components found on RVs was something that I always had a desire to create.

I hope this resource makes your RV repairs easier, as it has mine, but please be careful and follow proper safety practices when attempting to repair your own RV.

If in doubt, please consult with a professional RV technician!

All service manuals provided on www.myrvworks.com are believed to be released for distribution and/or in the public domain.

DARREN KOEPP - OWNER, MY RV WORKS, INC.