

# BREATHE EASIER WITH CLEANER OUTDOOR WOOD-FIRED HEATERS

## Introducing EPA Phase 2 Qualified Hydronic Heaters

**70% CLEANER**

PHASE 1 - GOOD

PHASE 1 QUALIFIED

U.S. Environmental Protection Agency  
2008 Hydronic Heater Program

Phase 1 Qualified models are cleaner and pollute less than those models that have not met this emissions level. Exposure to smoke has been associated with respiratory illness and other health problems. Models that have lower smoke emissions may reduce your risk.

For more information go to [www.epa.gov/woodheaters](http://www.epa.gov/woodheaters)

HYDRONIC HEATERS  
SMOKE EMISSIONS RANGE

Lower Emissions Higher Emissions

0 2.0

Better Worse

0.402 0.6 EPA PHASE I EMISSIONS LEVEL

THIS MODEL

Heaters with lower emissions produce less smoke when installed and operated properly.

<p><b>MANUFACTURER:</b> XXX</p> <p><b>MODEL NO.:</b> XXXX</p> <p><b>8-HOUR HEAT OUTPUT RATING:</b> 73,067 BTU/HR</p> <p><b>8-HOUR AVERAGE EFFICIENCY:</b> 60%</p> <p><b>EMISSIONS:</b> 19.07 GRAMS/HR (average)</p> <p style="font-size: 0.7em;">0.402 LBS/MILLION BTU HEAT INPUT</p> <p style="font-size: 0.7em;">0.77 LBS/MILLION BTU HEAT OUTPUT</p> <p style="font-size: 0.7em;">0.323 GRAMS/HR / 10,000 BTU HEAT OUTPUT</p>	<p><b>MANUFACTURER:</b> XXXX</p> <p><b>MODEL NUMBER:</b> XXXXX</p> <p><b>8-HOUR OUTPUT RATING:</b> 112,000 BTU/HR</p> <p><b>8-HOUR AVERAGE EFFICIENCY:</b> 70%</p> <p><b>EMISSIONS:</b> 6.1 GRAMS/HR (average)</p> <p style="font-size: 0.7em;">17.4 GRAMS/HR (maximum test run)</p> <p style="font-size: 0.7em;">0.17 LBS/MILLION BTU INPUT</p> <p style="font-size: 0.7em;">0.26 LBS/MILLION BTU OUTPUT</p> <p style="font-size: 0.7em;">0.09 GRAMS/HR/10,000 BTU OUTPUT</p>
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\* EPA has determined based on testing by an accredited independent laboratory that this model qualifies at the Phase 1 emissions level for U.S. EPA's Voluntary Program.

The U.S. Environmental Protection Agency (EPA) has updated its voluntary program to rate hydronic heaters. Models with the white tag meet EPA's Phase 2 emissions level. These heaters meet stricter guidelines and pollute less. Heaters with the white tag have been tested by an EPA-accredited laboratory and are 90% cleaner than unqualified models. (Orange tag models are 70% cleaner than unqualified models.)

Prolonged exposure to smoke has been linked to heart and lung problems. By purchasing units with the white tag, you may be reducing your risk from exposure to smoke.

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▶

This scale represents the smoke emissions range for hydronic heaters, and the orange arrow indicates the performance level of this particular model. Models with lower emissions produce less smoke and are less harmful to you and the environment.

For more information about health and environmental effects from hydronic heaters go to [www.epa.gov/woodheaters](http://www.epa.gov/woodheaters).

**90% CLEANER**

PHASE 2 - BETTER

PHASE 2 QUALIFIED

U.S. Environmental Protection Agency  
2008 Hydronic Heater Program

Phase 2 Qualified models are cleaner and pollute less than those models that have not met this emission level. Exposure to smoke has been associated with respiratory illness and other health problems. Models that have lower smoke emissions may reduce your risk.

For more information go to [www.epa.gov/woodheaters](http://www.epa.gov/woodheaters)

HYDRONIC HEATERS  
SMOKE EMISSIONS RANGE

Lower Emissions Higher Emissions

0 2.0

Better Worse

0.32 EPA PHASE 2 EMISSIONS LEVEL

THIS MODEL

Heaters with lower emissions produce less smoke when installed and operated properly.

<p><b>MANUFACTURER:</b> XXXX</p> <p><b>MODEL NUMBER:</b> XXXXX</p> <p><b>8-HOUR OUTPUT RATING:</b> 112,000 BTU/HR</p> <p><b>8-HOUR AVERAGE EFFICIENCY:</b> 70%</p> <p><b>EMISSIONS:</b> 6.1 GRAMS/HR (average)</p> <p style="font-size: 0.7em;">17.4 GRAMS/HR (maximum test run)</p> <p style="font-size: 0.7em;">0.17 LBS/MILLION BTU INPUT</p> <p style="font-size: 0.7em;">0.26 LBS/MILLION BTU OUTPUT</p> <p style="font-size: 0.7em;">0.09 GRAMS/HR/10,000 BTU OUTPUT</p>	<p><b>MANUFACTURER:</b> XXXX</p> <p><b>MODEL NUMBER:</b> XXXXX</p> <p><b>8-HOUR OUTPUT RATING:</b> 112,000 BTU/HR</p> <p><b>8-HOUR AVERAGE EFFICIENCY:</b> 70%</p> <p><b>EMISSIONS:</b> 6.1 GRAMS/HR (average)</p> <p style="font-size: 0.7em;">17.4 GRAMS/HR (maximum test run)</p> <p style="font-size: 0.7em;">0.17 LBS/MILLION BTU INPUT</p> <p style="font-size: 0.7em;">0.26 LBS/MILLION BTU OUTPUT</p> <p style="font-size: 0.7em;">0.09 GRAMS/HR/10,000 BTU OUTPUT</p>
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EPA has determined, based on testing by an accredited independent laboratory, that this model qualifies at the Phase 2 emissions level for U.S. EPA's Voluntary Program.