

# Heat Pump Water Heater Product Assessment

For use in conjunction with "A Specification for Residential Heat Pump Water Heaters Installed in Northern Climates Version 4.0"

10/26/2011

## General Information

Manufacturer:		
Unit model/size: <i>Note: a separate assessment must be provided for each model/size.</i>	Model number:	
	Size (gallons):	
Assessor name/title/contact info: (person filling out this Assessment, not necessarily the same as the certification or test lab)		
Date of assessment:		

## Product Specifications

Unit Dimensions and Weight		
Tank material		
Refrigerant type		
Condenser coil location (in-tank, around tank, external):		
Compressor	Power consumption:	
	Compressor operating range (°F)	
Auxiliary electric heat	Power consumption (per element):	
	Number of elements:	
Fan power consumption		
Defrost method (active, passive, other – please describe)		

## ENERGY STAR Compliance

ENERGY STAR certification date	
Name/contact information of third-party certification body	
Reported Energy Factor	
Reported First Hour Rating	



Northwest Energy Efficiency Alliance  
421 SW Sixth Avenue, Suite 600, Portland, OR 97204  
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## Product Performance

Name/contact information of test facility	<input type="checkbox"/> same as ENERGY STAR certification body <input type="checkbox"/> independent test facility: _____ <input type="checkbox"/> mfg test facility: _____	
Northern Climate Energy Factor (see Appendix A of specification for test and calculation method)	EF <sub>67</sub> :	
	EF <sub>50</sub> :	
	EF <sub>resistance</sub> :	
	EF <sub>NC</sub> :	
Northern Climate Delivery Rating (see Appendix B of specification for test and calculation method)	# of showers delivered (to nearest .5):	
Sound level (see Appendix D of specification for sound measurement procedure)		
Freeze protection test (see Appendix C of specification for test procedure)	<input type="checkbox"/> Not tested	
	Compressor runs and tank recovers	<input type="checkbox"/> yes <input type="checkbox"/> no Comments:
	No ruptures or leaks:	<input type="checkbox"/> none <input type="checkbox"/> yes (describe):

## Features

<b>Compressor</b> (section 5.2 of specification)	Notifies consumer when compressor has shut-down due to a failure	<input type="checkbox"/> yes <input type="checkbox"/> no Comments:
	If compressor is disabled by consumer, the water heater should return to default operation after 48 hours	<input type="checkbox"/> yes <input type="checkbox"/> no Comments:
	If the compressor is temporarily disabled due to specific operational controls, unit displays that the heat pump is not currently operating but shall restore compressor operation as soon as conditions return to allowable parameters	<input type="checkbox"/> yes <input type="checkbox"/> no Comments:
<b>Warranty and Service</b> (section 5.3 of specification)	Minimum 10 year parts, 1 year labor warranty	<input type="checkbox"/> yes <input type="checkbox"/> no Comments:
	The unit shall include clear information on how to obtain warranty service, replacement filters or other maintenance items, and technical support via a toll-free phone number clearly marked on the exterior of the unit.	<input type="checkbox"/> yes <input type="checkbox"/> no Comments:
<b>Ducting</b> (section 5.4)	Exhaust ducting kit available (and unit can run with or without kit)	<input type="checkbox"/> yes <input type="checkbox"/> no Comments:



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and 6.1 of specification)	Intake ducting kit available (and unit can run with or without kit)	<input type="checkbox"/> yes <input type="checkbox"/> no Comments:
	The unit shall be capable of delivering its rated air-flow across the evaporator at a minimum intake and exhaust duct static pressure drop of 0.25 inch water gauge.	<input type="checkbox"/> yes <input type="checkbox"/> no Comments:
<b>Condensate Management</b> (section 5.5 of specification)	Min. inside diameter pipe of ¾ inch with specifications and installation instructions	<input type="checkbox"/> yes <input type="checkbox"/> no Comments:
	Overflow/Blockage Shut-off and Alarm	<input type="checkbox"/> yes <input type="checkbox"/> no Comments:
	Self-cleaning drain service	<input type="checkbox"/> yes <input type="checkbox"/> no Comments:
<b>Air Filter</b> (section 6.2 of specification)	Permanent, washable or standard furnace filter	<input type="checkbox"/> yes <input type="checkbox"/> no Comments:
	Maintenance alarm	<input type="checkbox"/> yes <input type="checkbox"/> no Comments:
<b>Electric Resistance heating element</b> (section 5.6 of specification)	During the first draw of the standard DOE First Hour Rating Test, the electric resistance heating element shall not be turned on until at least 66% of the tank's measured water volume has been withdrawn.	<input type="checkbox"/> yes <input type="checkbox"/> no Comments:

## Availability and Pricing

Product availability (describe U.S retail / distribution channels)	
Pricing (manufacturer suggested retail price)	
Other names (models/makes) this unit is also sold under	

**Please attach a product operating manual and installation manual, as well as laboratory test reports to confirm reported results.**

**Submit completed assessment package to [HPWH\\_Assessments@neea.org](mailto:HPWH_Assessments@neea.org)**



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