

HOBART DISHWASHER ENERGY AUDIT

Project: **HSR info**
National

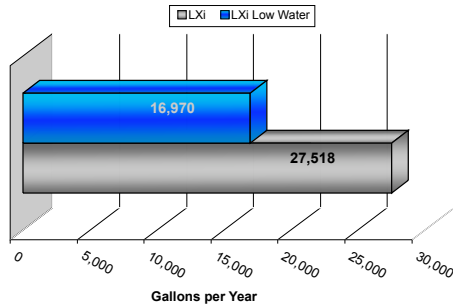
Prepared on: Sep. 08, 2008

Dishwashers to be compared:

Brand Model	Description	Water Usage per Hour*
Hobart LXi	Undercounter Dishwasher, Hot Water Sanitation, per rack, 30 Racks/Hour, Fresh Water Rinse, Delime Notification, Auto Chemical Priming, with detergent and Rinse Aid Pumps, Service Diagnostics, 120/208-240(3W)/60/1	36 Gallons
Hobart LXi Low Water	Undercounter Dishwasher, Hot Water Sanitation with only .74 gals. per rack, 30 Racks/Hour, Fresh Water Rinse, Delime Notification, Auto Chemical Priming, with detergent and Rinse Aid Pumps, Service Diagnostics, 120/208-240(3W)/60/1	22 Gallons

<p>Operational Data</p> <p>Building Water Heater: Electric Hours per Day: 3.0 Days per Week: 7 Hours per Year: 1,092</p>	<p>Hobart LXi Data</p> <p>Tank Heat Type: Electric Sanitization Method: Hot Water Booster Heat Type: Electric Wash Time (Hrs): 3.0</p>	<p>Hobart LXi Low Water Data</p> <p>Tank Heat Type: Electric Sanitization Method: Hot Water Booster Heat Type: Electric Wash Time (Hrs): 3.0</p>
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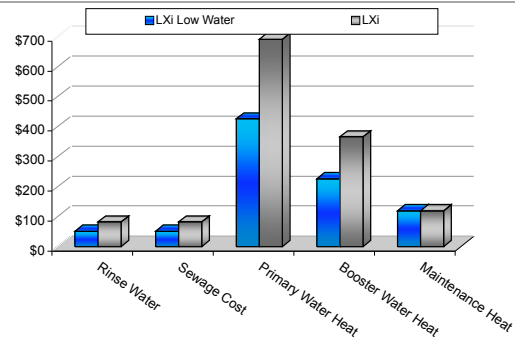
Final Rinse Consumption Comparison:



Model	Final Rinse Gallons per Year**
LXi	27,518
LXi Low Water	16,970
Difference	10,549

LXi Low Water will use 38% less water per year

Annual Cost	LXi	LXi Low Water	Savings
Rinse Water	\$83	\$51	\$32
Sewage Cost	\$83	\$51	\$32
Primary Water Heat (55-140 °F)	\$692	\$426	\$266
Booster Water Heat (140-185 °F)	\$366	\$226	\$140
Maintenance Heat	\$119	\$119	\$0
Total Annual Cost Savings			\$469



Payback Analysis:

Manufacturer & Model	Price
Hobart LXi	Not Entered
<u>Hobart LXi Low Water</u>	<u>Not Entered</u>

* Water usage taken from current N.S.F. Listing Book
** Assumes final rinse in use 70% of the time

Note: Additional savings can be realized on the initial investment based on a smaller booster heater size requirement. Energy, water and cost computations are approximation of anticipated requirements. Actual performance will vary with site conditions and utility cost variations.

