

HOBART DISHWASHER ENERGY AUDIT

Project: **HSR info**
National

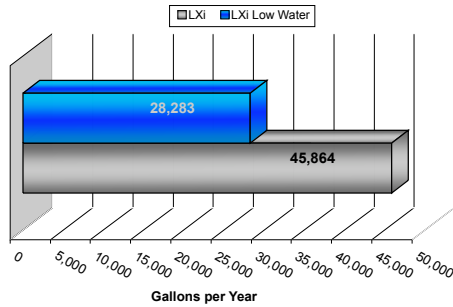
Prepared on: Sep. 08, 2008

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: 5.0 Days per Week: 7 Hours per Year: 1,820</p>	<p>Hobart LXi Data</p> <p>Tank Heat Type: Electric Sanitization Method: Hot Water Booster Heat Type: Electric Wash Time (Hrs): 5.0</p>	<p>Hobart LXi Low Water Data</p> <p>Tank Heat Type: Electric Sanitization Method: Hot Water Booster Heat Type: Electric Wash Time (Hrs): 5.0</p>
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Final Rinse Consumption Comparison:



Model	Final Rinse Gallons per Year**
LXi	45,864
LXi Low Water	28,283
Difference	17,581

LXi Low Water will use 38% less water per year

Annual Cost	LXi	LXi Low Water	Savings
Rinse Water	\$138	\$85	\$53
Sewage Cost	\$138	\$85	\$53
Primary Water Heat (55-140 °F)	\$1,153	\$711	\$442
Booster Water Heat (140-185 °F)	\$610	\$376	\$234
Maintenance Heat	\$198	\$198	\$0
Total Annual Cost Savings			\$781

Category	LXi Low Water	LXi
Rinse Water	\$85	\$138
Sewage Cost	\$85	\$138
Primary Water Heat	\$711	\$1,153
Booster Water Heat	\$376	\$610
Maintenance Heat	\$198	\$198

Payback Analysis:

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

* 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.

