



Connecting Consumers with ENERGY STAR Certified Products:

Advances in EPA Product Lists

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2012 ENERGY STAR Products Partner Meeting
St. Paul, Minnesota



Learn more at energystar.gov

Today



1. Old System
2. New System
3. Key Takeaways & Next Steps
4. Discussion

Why Share These Datasets at All?



- Serves all ENERGY STAR stakeholders
 - The public (consumers)
 - Manufacturers
 - Retailers
 - Energy efficiency program sponsors
 - Third parties/app developers helping consumers find energy efficient products online
- Helps
 - **Promote** ENERGY STAR certified products
 - **Demonstrate** products are ENERGY STAR
 - **Find & Compare** ENERGY STAR products, energy use, and performance



Old System: Process

- Certified product data from certification bodies (CBs)
- CBs submit data to EPA every 2 weeks via Excel
- EPA
 - Posts **lists of certified products*** on product pages at www.energystar.gov/products
 - shares **datasets*** with stakeholders on request via an FTP site with Excel files
 - Maintains a consumer-oriented “Find-A-Product” tool for some products

**A note about terminology: Qualified/certified product lists > Datasets*



Old System: Experience

- Stakeholders access datasets through Excel spreadsheets
- Consumer-oriented “Find-A-Product” tool available for some products from consumer webpages
 - IT/Electronics: Computers, Cordless Phones, Imaging, Displays, TVs
 - Appliances: Clothes Washers, Dishwashers, Refrigerators and Freezers
 - CFLs



Old System: Limitations

- Static, updated only every 2 weeks
- Not available via API
- Not designed for machine-readability, requires significant user manipulation
- “Find-A-Product” Tool
 - Outdated user interface especially in terms of searchability
 - Only available for a subset of ENERGY STAR products
- Product model reconciliation
 - No way to collect or search for additional model information such as SKUs, QR codes, retail model numbers, etc.



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1. Old System
 - 2. New System**
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2. New System

- Transition in Process
 - Target completion date mid-2013
- Overview
- “ENERGY STAR Product Finder” Elements
 - Landing Page
 - Basic View
 - Compare Feature
 - Product Details
 - Advanced View
 - Export Options
 - Filter Options
 - Direct Access to All Datasets



New System: Overview

Process

- Objective: collect information in a more uniform way across all product categories
- CBs share information with EPA via XML on a rolling basis (planned: 2 day processing time)
- EPA updates datasets for stakeholders more frequently (planned: every 2 days)

Experience

- Objective: One portal where stakeholders access all certified product datasets (planned: updates every 2 days)
- Objective: Enhanced product search
 - Advanced search capability for partner/program administration purposes
 - Updated and more comprehensive consumer-oriented tool for finding ENERGY STAR products



ENERGY STAR Product Finder: Landing Page



U.S. ENVIRONMENTAL PROTECTION AGENCY

ENERGY STAR

ABOUT ENERGY STAR PRODUCT FINDER HOME

Product Finder

Find ENERGY STAR Products

- Product Finder
- How a Product Earns the Label
- Save Energy at Home
- Join Our Movement

ENERGY STAR's Product Finder provides access to the ENERGY STAR product information to arm consumers with the information they need to make purchasing decisions based on energy efficiency. The tool also offers advanced features to support the more complex data analysis required by partners and third parties. The first two products included in this tool include **Cordless Phones** and **Residential Clothes Washers**.

Additional product data will be available in the Product Finder tool as it is developed, with all data available by mid-2013. Updates are available via RSS subscriptions.

Let's get started...

Select a Product

Clothes Washers

» [Access All Certified Product Data](#)

Key Features...

ENERGY STAR Certified Residential Clothes Washers

425 Products match your search

up to 4 items

Basic View: Easily Filter, Compare and Share Product Information

Take advantage of a straightforward interface that allows you to refine large sets of results based on user-friendly filtering and sorting capabilities and a smart keyword search. Once you've narrowed your results, you can compare up to four products based on key criteria such as energy efficiency and technical specifications. [Try it Now](#)

Full Data Catalog: Do Even More with Access to ENERGY STAR's OpenData Cloud

Powered by [Socrata](#)

The ENERGY STAR Certified Products Data Catalog provides open access to product data to support the varied needs of ENERGY STAR partners, government agencies, application developers and media outlets. This powerful interface allows users to generate a variety of reports based on real-time data, to create accounts to save and share their work, and to export and embed the data they have designed in exciting ways that support their goals and missions. [Try it Now](#)

Build Custom Reports with eight export options

odak	Download As
odak	CSV
odak	JSON
odak	PDF
odak	RDF
odak	RSS
odak	...

Create Data Visualizations on the fly, embed them on your site

Access to our API to power your own tools, build apps and more. [Try it now](#)



ENERGY STAR Product Finder: Basic View



ENERGY STAR Certified Residential Clothes Washers

Access the API, Analyze and Embed Data, Create an Account and more. [Switch to Advanced View »](#)

272 Products match your search

Sorted by Energy Efficiency: Most to Least

Compare up to 4 items

Load Configuration is:

- Top Load
- Front Load
- Do not filter

Brand list:

- Amana
- Ariston
- Asko
- BRADA
- Blomberg
- Bosch
- Crosley
- Daewoo
- Elba
- Electrolux
- Fisher & Paykel
- Frigidaire
- GE
- GE Profile
- General Electric
- Haier
- Inglis
- Kenmore
- LG
- LG Electronics
- Maytag
- Miele
- Samsung
- Speed Queen
- Whirlpool
- White Westinghouse

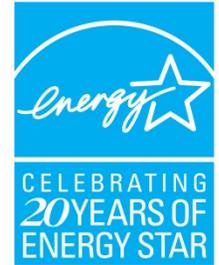
Product Name	Model Number	Compare
LG - WM8000H**	WM8000H**	<input checked="" type="checkbox"/>
5A*GS**		<input checked="" type="checkbox"/>
7A*GS**		<input checked="" type="checkbox"/>
4073**		<input checked="" type="checkbox"/>
21#		<input type="checkbox"/>
Kenmore - 4154#21#	4154#21#	<input type="checkbox"/>

Volume (cu. feet) is between:

- 0 and 2.5



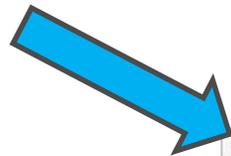
ENERGY STAR Product Finder: Basic View - Compare Feature



ABOUT ENERGY STAR PRODUCT FINDER HOME

Home » Products » Product Finder Home » ENERGY STAR Certified Residential Clothes Washers » Compare

Compare



- Load Type
- Size (cubic feet)
- Energy Efficiency
- Water Efficiency

The Energy Efficiency, or Modified Energy Factor (MEF), is the energy performance metric for ENERGY STAR qualified clothes washers. The higher the MEF, the more efficient the clothes washer. The metric has units: ft³/kWh/cycle, and is calculated as the quotient of the capacity of the clothes container divided by the total clothes washer energy consumption per cycle. The total clothes washer energy consumption per cycle is the sum of the machine electrical energy consumption, the hot water energy consumption, and the energy required for removal of the remaining moisture in the wash load.

LG - WM8000H**	Samsung - WF455A*GS**	Samsung - WF457A*GS**	Frigidaire - FAFS4073**
	WF455A*GS**	WF457A*GS**	FAFS4073**
	Front Load	Front Load	Front Load
	4.47	4.47	3.81
	3.42	3.42	3.41
	2.7	2.7	2.8

ENERGY STAR Product Finder: Basic View - Product Details



- Model Data Reconciliation
 - Additional Model Information Tab
 - Model names
 - Model numbers
 - Other identifying information (SKUs, UPC codes, retail codes, etc.)
 - System stores this data
 - System allows searches so consumers & partners can more easily locate models with more than one identifier

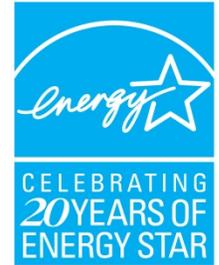
The screenshot shows the Energy Star Product Finder website. At the top, there is a banner with the Energy Star logo and a photo of a family. Below the banner, there is a navigation bar with the text 'U.S. ENVIRONMENTAL PROTECTION AGENCY' and 'ABOUT ENERGY STAR PRODUCT FINDER HOME'. The main content area shows the product details for 'LG - WM8000H**'. A blue arrow points to the 'Additional Model Information' tab, which is currently selected. The 'Specifications' tab is also visible. The product details include:

Model Number: WM8000H**

Specifications	Additional Model Information
Load Type ☺:	Front Load
Size (cubic feet) ☺:	5.16
Energy Efficiency ☺:	3.45
Water Efficiency ☺:	3.0

- Currently, this data is sparse.
- CBs are aware of the importance of this data but need manufacturers to provide it
- This will require ongoing communication among partners – especially between retailers and the manufacturers who supply ENERGY STAR product to them.

ENERGY STAR Product Finder: Navigating from Basic to Advanced View



U.S. ENVIRONMENTAL PROTECTION AGENCY

ENERGY STAR

ABOUT ENERGY STAR PRODUCT FINDER HOME

Home » Products » Product Finder Home » ENERGY STAR Certified Residential Clothes Washers

ENERGY STAR Certified Residential Clothes Washers

Access the API, Analyze and Embed Data, Create an Account and more. [Switch to Advanced View »](#)

272 Products match your search

Sorted by Energy Efficiency: Most to Least

[Compare up to 4 items](#) [WM8000H**](#) [WF455A*GS**](#) [WF457A*GS**](#) [FAFS4073**](#)

Load Configuration is

- Top Load
- Front Load
- Do not filter

<input checked="" type="checkbox"/> Amana	<input type="checkbox"/> Electrolux	<input type="checkbox"/> LG	<input checked="" type="checkbox"/> Compare
<input type="checkbox"/> Ariston	<input type="checkbox"/> Fisher & Paykel	<input type="checkbox"/> LG Electronics	<input checked="" type="checkbox"/> Compare
<input type="checkbox"/> Asko	<input type="checkbox"/> Frigidaire	<input type="checkbox"/> Maytag	<input checked="" type="checkbox"/> Compare
<input type="checkbox"/> BRADA	<input type="checkbox"/> GE	<input type="checkbox"/> Miele	<input checked="" type="checkbox"/> Compare
<input type="checkbox"/> Blomberg	<input type="checkbox"/> GE Profile	<input type="checkbox"/> Samsung	<input checked="" type="checkbox"/> Compare
<input type="checkbox"/> Bosch	<input type="checkbox"/> General Electric	<input type="checkbox"/> Speed Queen	<input checked="" type="checkbox"/> Compare
<input type="checkbox"/> Crosley	<input type="checkbox"/> Haier	<input type="checkbox"/> Whirlpool	<input checked="" type="checkbox"/> Compare
<input type="checkbox"/> Daewoo	<input type="checkbox"/> Inglis	<input type="checkbox"/> White Westinghouse	<input checked="" type="checkbox"/> Compare
<input type="checkbox"/> Elba	<input type="checkbox"/> Kenmore		<input type="checkbox"/> Compare

Volume (cu. feet) is between

- 0 and 2.5



ENERGY STAR Product Finder: Advanced View – Export Options & More



U.S. ENVIRONMENTAL PROTECTION AGENCY

ENERGY STAR

ABOUT ENERGY STAR PRODUCT FINDER HOME

Sign Up Sign In

Find and compare the energy efficiency of these products. Switch to Basic View »

Unsaved View Save As... Revert

Based on ENERGY STAR Certified Residential Clothes Washers

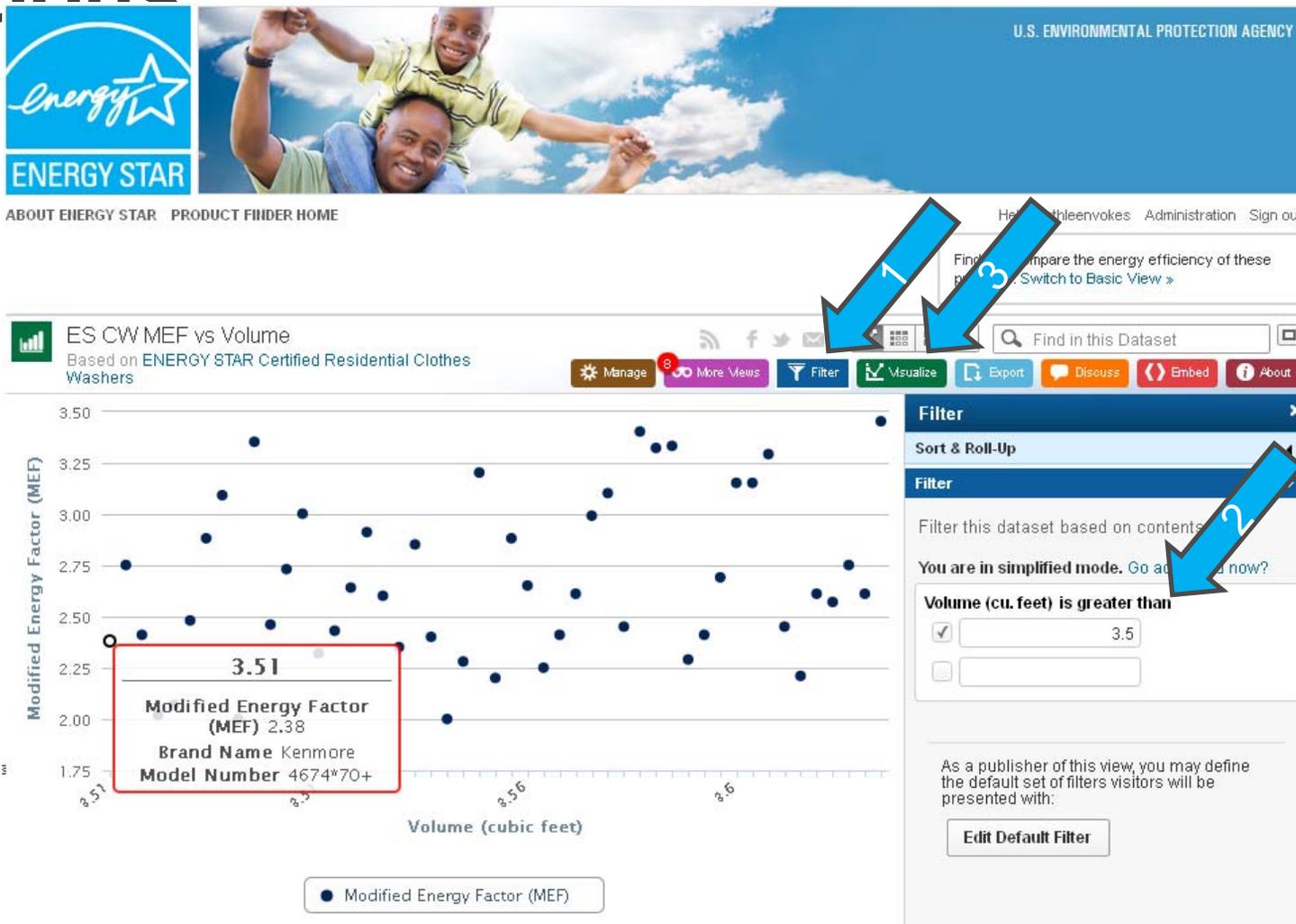
Manage More Views Filter Visualize Export Discuss Embed About

Brand Name	Model Number	Additional Model Information	Load Configuration
LG	WM8000H**		Front Load
Whirlpool	W55A*GS**		Front Load
Whirlpool	W57A*GS**		Front Load
Whirlpool	W34073**		Front Load
Whirlpool	W3#21#		Front Load
Kenmore	W4104#21#		Front Load
LG	WM3150H**		Front Load
LG	WM3550H***		Front Load
Frigidaire	FAFS4174**		Front Load
Frigidaire	FAFW3921**		Front Load
Samsung	WF405A*PA**		Front Load
Electrolux	EIFLS60**		Front Load
Samsung	WF433B*GJ**		Front Load
Samsung	WF435A*GJ**		Front Load
Samsung	WF511***		Front Load
Whirlpool	WFW88HEA*+		Front Load
Kenmore	4157#21#		Front Load
Kenmore	4187#21#		Front Load

Brand Name tooltip: An identifier assigned by the manufacturer or private labeler to a product or family/series of products for sales and marketing purposes.

Export menu options: API, Print, Download (CSV, JSON, PDF, RDF, RSS, XLS, XLSX, XML)

ENERGY STAR Product Finder: Advanced View – Filter and Graph Options



ENERGY STAR Product Finder: Direct Access to All Datasets



The screenshot shows the Energy Star Product Finder interface. At the top left is the Energy Star logo. To its right is a banner image of a man carrying a child on his shoulders against a blue sky with clouds. The text "U.S. ENVIRONMENTAL PROTECTION AGENCY" is in the top right corner of the banner. Below the banner are navigation links: "ABOUT ENERGY STAR" and "PRODUCT FINDER HOME" on the left, and "Sign Up" and "Sign In" on the right. A search bar is located on the left side. Below it are "Clear All Options" and "View Types" (All, Datasets, External Datasets, Files and Documents, Filtered Views, Charts, Maps, Calendars, Forms, APIs). Under "Categories", "Government" is listed. The main content area shows "Results matching type of Datasets" with a table of results. The table has columns for Name, Popularity, and Type. Two results are shown: "ENERGY STAR Certified Residential Clothes Washers" (Government, 125 views) and "ENERGY STAR Certified Cordless Phones" (Government, 47 views). A "Showing 2 of 2" indicator is at the bottom of the results area.



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3. Key Takeaways & Next Steps

Key Takeaways

- The objective of this effort is to
 - Improve the ability to find and reconcile product data
 - Provide better access to EPA product data for all stakeholders
- We need your help to succeed
 - CBs provide data to EPA based on certified test data and manufacturer information
 - The more robust the product information provided by manufacturers to CBs, the more robust the system will be for all stakeholders
 - Please communicate your product information needs to manufacturers so they have the opportunity to be responsive
- You will have access to all the data you have now – this new system will allow you to **manipulate** product data many more export options, including API





3. Key Takeaways & Next Steps

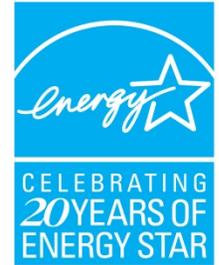
Next Steps

- System live for clothes washers and telephony by November 2012
- Partners will receive an email notification when available for use
- All products to be in system by mid 2013
- Note: to get updates on changes to the datasets:
 - Visit website
 - EPA will provide link when system is live
 - Subscribe to RSS feeds for automated updates



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1. Current System
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Discussion



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