

## ENERGY STAR Commercial Clothes Washers Product List

List Posted on August 23, 2013

Below are currently qualified ENERGY STAR models available for sale in the U.S. and Canada.

Brand	Model Number	Additional Model Information	Load Configuration	Intended Market	Volume (cubic feet)	Modified Energy Factor (MEF)	Federal Standard (MEF)	Annual Energy Use (kWh/year)	Water Factor (WF)	Federal Standard (WF)	Annual Water Use (gallons/year)	Date Available On Market	Date Qualified	Markets	ENERGY STAR Model Identifier
Continental	EH020CA13211210		Front Load	Commercial	2.78	2.38	2.0	155	4.4	5.5	4,795	8/15/2011	8/15/2011	United States, Canada	ES_1105798_CO NTINENTAL GIRBAU INC (348795)   EH020CA13211210_01302013203443_8083454
Continental	EH020CA13241210		Front Load	Commercial	2.78	2.38	2.0	155	4.4	5.5	4,795	8/15/2011	8/15/2011	United States, Canada	ES_1105798_CO NTINENTAL GIRBAU INC (348795)   EH020CA13241210_01302013203459_8099766
Continental	EH020PA10211220		Front Load	Commercial	2.78	2.38	2.0	155	4.4	5.5	4,795	8/15/2011	8/15/2011	United States, Canada	ES_1105798_CO NTINENTAL GIRBAU INC (348795)   EH020PA10211220_01302013203517_8117227
Continental	EH020PA10241220		Front Load	Commercial	2.78	2.38	2.0	155	4.4	5.5	4,795	8/15/2011	8/15/2011	United States, Canada	ES_1105798_CO NTINENTAL GIRBAU INC (348795)   EH020PA10241220_01302013203537_8137139
Electrolux	W4105H		Front Load	Commercial	3.18	2.45	2.0	107	4.2	5.5	5,236	11/26/2007	3/28/2013	United States	ES_1021080_W4105H_03282013131731_3628961
Electrolux	W475H		Front Load	Commercial	2.46	2.35	2.0	97	4.4	5.5	4,243	10/1/2007	3/28/2013	United States	ES_1021080_W475H_03282013134829_3722192
Electrolux	W5105H		Front Load	Commercial	3.16	2.7	2.0	121	3.4	5.5	4,212	5/2/2013	4/26/2013	United States, Canada	ES_1082677_W5105H_04222013144237_1137811
Electrolux	W5130H		Front Load	Commercial	4.22	2.6	2.0	164	4.2	5.5	6,948	5/2/2013	4/25/2013	United States, Canada	ES_1082677_W5130H_04222013135200_4737207
Electrolux	W5180H		Front Load	Commercial	5.81	2.3	2.0	403	4.1	5.5	9,338	5/2/2013	4/26/2013	United States, Canada	ES_1082677_W5180H_04222013142510_269891
Electrolux	W555H17		Front Load	Commercial	1.74	2.53	2.0	94	4.2	5.5	2,865	3/1/2012	4/30/2013	United States	ES_1082677_W555H17_04262013151549_7714959
Electrolux	W575H		Front Load	Commercial	2.47	2.7	2.0	100	4.1	5.5	3,970	5/2/2013	4/25/2013	United States, Canada	ES_1082677_W575H_04222013143756_257226
Haier	HWF09810		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/15/2012	3/27/2012	United States, Canada	ES_0031566_HW F0981004192013021426_9999999
Haier	HWF09810		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/30/2012	3/27/2012	United States, Canada	ES_0031566_HW F0981004192013021425_9999999
Huebsch	HFNB*****2+		Front Load	Commercial	2.84	2.2	2.0	100	4.5	5.5	5,010	1/9/2013	12/20/2012	United States, Canada	ES_0087091_HFN B*****2 +02052013040643_9999999
Huebsch	HFNL+		Front Load	Commercial	2.84	2.24	2.0	154	4.5	5.5	5,010	10/1/2008	12/30/2010	United States, Canada	ES_0087091_HFN L +02062013043855_9999999
Huebsch	HFNN+		Front Load	Commercial	2.84	2.46	2.0	96	3.8	5.5	4,230	1/4/2011	2/15/2011	United States	ES_0087091_HFN N +02062013043855_9999999
Huebsch	HFNN*****2+		Front Load	Commercial	2.84	2.4	2.0	105	4.0	5.5	4,453	1/9/2013	12/20/2012	United States, Canada	ES_0087091_HFN N*****2 +02052013040643_9999999
Huebsch	HTEB*****2+		Front Load	Commercial	2.84	2.2	2.0	100	4.5	5.5	5,010	1/9/2013	12/20/2012	United States, Canada	ES_0087091_HTE B*****2 +02052013040643_9999999

Brand	Model Number	Additional Model Information	Load Configuration	Intended Market	Volume (cubic feet)	Modified Energy Factor (MEF)	Federal Standard (MEF)	Annual Energy Use (kWh/year)	Water Factor (WF)	Federal Standard (WF)	Annual Water Use (gallons/year)	Date Available On Market	Date Qualified	Markets	ENERGY STAR Model Identifier
Huebsch	HTEL+		Front Load	Commercial	2.84	2.24	2.0	154	4.5	5.5	5,010	10/1/2008	12/30/2010	United States, Canada	ES_0087091_HTE L +02062013043855 _9999999
Huebsch	HTEN+		Front Load	Commercial	2.84	2.46	2.0	96	3.8	5.5	4,230	6/15/2011	5/16/2011	United States, Canada	ES_0087091_HTE N +02062013043855 _9999999
Huebsch	HTEN*****2+		Front Load	Commercial	2.84	2.4	2.0	105	4.0	5.5	4,453	1/9/2013	12/20/2012	United States	ES_0087091_HTE N*****2 +02052013040643 _9999999
Huebsch	HTGB*****2+		Front Load	Commercial	2.84	2.2	2.0	100	4.5	5.5	5,010	1/9/2013	12/20/2012	United States, Canada	ES_0087091_HTG B*****2 +02052013040643 _9999999
Huebsch	HTGL+		Front Load	Commercial	2.84	2.24	2.0	154	4.5	5.5	5,010	10/1/2008	12/30/2010	United States, Canada	ES_0087091_HTG L +02062013043855 _9999999
Huebsch	HTGN+		Front Load	Commercial	2.84	2.24	2.0	154	4.5	5.5	5,010	6/15/2011	5/16/2011	United States	ES_0087091_HTG N +02062013043855 _9999999
Huebsch	HTGN*****2+		Front Load	Commercial	2.84	2.4	2.0	105	4.0	5.5	4,453	1/9/2013	12/20/2012	United States	ES_0087091_HTG N*****2 +02052013040643 _9999999
IPSO	BFNB*****2+		Front Load	Commercial	2.84	2.2	2.0	100	4.5	5.5	5,010	1/9/2013	12/20/2012	United States, Canada	ES_0087091_BFN B*****2 +02052013040643 _9999999
IPSO	BTEB*****2+		Front Load	Commercial	2.84	2.2	2.0	100	4.5	5.5	5,010	1/9/2013	12/20/2012	United States, Canada	ES_0087091_BTE B*****2 +02052013040643 _9999999
IPSO	BTGB*****2+		Front Load	Commercial	2.84	2.2	2.0	100	4.5	5.5	5,010	1/9/2013	12/20/2012	United States, Canada	ES_0087091_BTG B*****2 +02052013040643 _9999999
Laundrylux	EHWF09810M		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/15/2012	3/27/2012	United States, Canada	ES_0031566_EH WF09810M04192 013021423_99999 99
Laundrylux	EHWF09810M		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/30/2012	3/27/2012	United States, Canada	ES_0031566_EH WF09810M04192 013021434_99999 99
Laundrylux	EHWF09810NM		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/15/2012	3/27/2012	United States, Canada	ES_0031566_EH WF09810NM0419 2013021424_9999 999
Laundrylux	EHWF09810NM		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/30/2012	3/27/2012	United States, Canada	ES_0031566_EH WF09810NM0419 2013021435_9999 999
Laundrylux	WHWF09810M		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/15/2012	3/27/2012	United States, Canada	ES_0031566_WH WF09810M04192 013021421_99999 99
Laundrylux	WHWF09810M		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/30/2012	3/27/2012	United States, Canada	ES_0031566_WH WF09810M04192 013021420_99999 99
Laundrylux	WHWF09810NM		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/15/2012	3/27/2012	United States, Canada	ES_0031566_WH WF09810NM0419 2013021422_9999 999
Laundrylux	WHWF09810NM		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/30/2012	3/27/2012	United States, Canada	ES_0031566_WH WF09810NM0419 2013021433_9999 999
LG	CW2079C***		Front Load	Commercial	3.52	2.45	2.0	121	3.7	5.5	5,105	1/3/2011	1/3/2011	United States, Canada	ES_1118034_CW 2079C***0327201 3082613_9999999
LG	GCW1069**		Front Load	Commercial	3.63	2.6	2.0	145	3.7	5.5	5,265	1/3/2011	1/3/2011	United States, Canada	ES_1118034_GC W1069**03272013 082613_9999999
Maytag	MHN30PDAW*+		Front Load	Commercial	3.20	2.48	2.0	124	3.9	5.5	4,892	12/21/2010	12/30/2010	United States, Canada	ES_0022856_MH N30PDAW* +_0219201304184 1_9999999

Brand	Model Number	Additional Model Information	Load Configuration	Intended Market	Volume (cubic feet)	Modified Energy Factor (MEF)	Federal Standard (MEF)	Annual Energy Use (kWh/year)	Water Factor (WF)	Federal Standard (WF)	Annual Water Use (gallons/year)	Date Available On Market	Date Qualified	Markets	ENERGY STAR Model Identifier
Maytag	MHN30PDBW*+		Front Load	Commercial	3.06	2.49	2.0	145	3.7	5.5	4,438	3/1/2012	2/13/2012	United States, Canada	ES_0022856_MH N30PDBW* +_0219201304184 1_9999999
Maytag	MHN30PDBX*+		Front Load	Commercial	3.06	2.49	2.0	145	3.7	5.5	4,438	3/1/2012	2/13/2012	United States, Canada	ES_0022856_MH N30PDBX* +_0219201304184 1_9999999
Maytag	MHN30PRAW*+		Front Load	Commercial	3.20	2.48	2.0	124	3.9	5.5	4,892	12/21/2010	12/30/2010	United States, Canada	ES_0022856_MH N30PRAW* +_0219201304184 1_9999999
Maytag	MHN30PRAX*+		Front Load	Commercial	3.20	2.48	2.0	124	3.9	5.5	4,892	12/21/2010	12/30/2010	United States, Canada	ES_0022856_MH N30PRAX* +_0219201304184 1_9999999
Maytag	MHN30PRBW*+		Front Load	Commercial	3.06	2.49	2.0	145	3.7	5.5	4,438	3/1/2012	2/13/2012	United States, Canada	ES_0022856_MH N30PRBW* +_0219201304184 1_9999999
Maytag	MHN31PRAW*		Front Load	Commercial	3.06	2.49	2.0	145	3.7	5.5	4,438	8/19/2013	8/16/2013	United States, Canada	ES_0022856_MH N31PRAW*_0815 2013013640_2652 799
Maytag	MHP30PRAW*+		Front Load	Commercial	3.20	2.48	2.0	124	3.9	5.5	4,892	12/21/2010	12/30/2010	United States, Canada	ES_0022856_MH P30PRAW* +_0219201304184 1_9999999
Maytag	MHP30PRBW*+		Front Load	Commercial	3.06	2.49	2.0	145	3.7	5.5	4,438	3/1/2012	2/13/2012	United States, Canada	ES_0022856_MH P30PRBW* +_0219201304184 1_9999999
Maytag	MLE20PDAY*+		Front Load	Commercial	3.20	2.48	2.0	124	3.9	5.5	4,892	2/20/2012	2/13/2012	United States, Canada	ES_0022856_MLE 20PDAY* +_0219201304184 1_9999999
Maytag	MLE20PDAZ*+		Front Load	Commercial	3.20	2.48	2.0	124	3.9	5.5	4,892	2/20/2012	2/13/2012	United States, Canada	ES_0022856_MLE 20PDAZ* +_0219201304184 1_9999999
Maytag	MLE20PRAY*+		Front Load	Commercial	3.20	2.48	2.0	124	3.9	5.5	4,892	2/20/2012	2/13/2012	United States, Canada	ES_0022856_MLE 20PRAY* +_0219201304184 1_9999999
Maytag	MLE20PRAZ*+		Front Load	Commercial	3.20	2.48	2.0	124	3.9	5.5	4,892	2/20/2012	2/13/2012	United States, Canada	ES_0022856_MLE 20PRAZ* +_0219201304184 1_9999999
Maytag	MLG20PDAW*+		Front Load	Commercial	3.20	2.48	2.0	124	3.9	5.5	4,892	2/20/2012	2/13/2012	United States, Canada	ES_0022856_ML G20PDAW* +_0219201304184 1_9999999
Maytag	MLG20PRAW*+		Front Load	Commercial	3.20	2.48	2.0	124	3.9	5.5	4,892	2/20/2012	2/13/2012	United States, Canada	ES_0022856_ML G20PRAW* +_0219201304184 1_9999999
Speed Queen	LFNA0+		Front Load	Commercial	2.84	2.24	2.0	154	4.5	5.5	5,010	10/1/2008	12/30/2010	United States	ES_0087091_LFN A0 +02062013043855_9999999
Speed Queen	LWNA1+		Front Load	Commercial	2.84	2.46	2.0	96	3.8	5.5	4,230	4/1/2011	1/18/2011	United States	ES_0087091_LW NA1 +02062013043855_9999999
Speed Queen	SFNB*****2+		Front Load	Commercial	2.84	2.2	2.0	100	4.5	5.5	5,010	1/9/2013	12/20/2012	United States	ES_0087091_SFN B*****2 +02052013040643_9999999
Speed Queen	SFNC+		Front Load	Commercial	2.84	2.24	2.0	154	4.5	5.5	5,010	10/1/2008	12/30/2010	United States	ES_0087091_SFN C +02062013043855_9999999
Speed Queen	SFNL+		Front Load	Commercial	2.84	2.24	2.0	154	4.5	5.5	5,010	10/1/2008	12/30/2010	United States	ES_0087091_SFN L +02062013043855_9999999
Speed Queen	SFNN+		Front Load	Commercial	2.84	2.46	2.0	96	3.8	5.5	4,230	1/4/2011	2/15/2011	United States	ES_0087091_SFN N +02062013043855_9999999
Speed Queen	SFNN*****2+		Front Load	Commercial	2.84	2.4	2.0	105	4.0	5.5	4,453	1/9/2013	12/20/2012	United States	ES_0087091_SFN N*****2 +02052013040643_9999999

Brand	Model Number	Additional Model Information	Load Configuration	Intended Market	Volume (cubic feet)	Modified Energy Factor (MEF)	Federal Standard (MEF)	Annual Energy Use (kWh/year)	Water Factor (WF)	Federal Standard (WF)	Annual Water Use (gallons/year)	Date Available On Market	Date Qualified	Markets	ENERGY STAR Model Identifier
Speed Queen	SFNS*****2+		Front Load	Commercial	2.84	2.2	2.0	100	4.5	5.5	5,010	1/9/2013	12/20/2012	United States	ES_0087091_SFN S*****2 +02052013040643 _9999999
Speed Queen	SFNT+		Front Load	Commercial	2.84	2.24	2.0	154	4.5	5.5	5,010	10/1/2008	12/30/2010	United States	ES_0087091_SFN T +02062013043855 _9999999
Speed Queen	SFNW+		Front Load	Commercial	2.84	2.46	2.0	96	3.8	5.5	4,230	4/20/2011	3/23/2011	United States	ES_0087091_SFN W +02062013043855 _9999999
Speed Queen	SFNW*****2+		Front Load	Commercial	2.84	2.4	2.0	105	4.0	5.5	4,453	1/9/2013	12/20/2012	United States	ES_0087091_SFN W*****2 +02052013040643 _9999999
Speed Queen	STEB*****2+		Front Load	Commercial	2.84	2.2	2.0	100	4.5	5.5	5,010	1/9/2013	12/20/2012	United States	ES_0087091_STE B*****2 +02052013040643 _9999999
Speed Queen	STEL+		Front Load	Commercial	2.84	2.24	2.0	154	4.5	5.5	5,010	10/1/2008	12/30/2010	United States	ES_0087091_STE L +02062013043855 _9999999
Speed Queen	STEN*****2+		Front Load	Commercial	2.84	2.4	2.0	105	4.0	5.5	4,453	1/9/2013	12/20/2012	United States	ES_0087091_STE N*****2 +02052013040643 _9999999
Speed Queen	STGB*****2+		Front Load	Commercial	2.84	2.2	2.0	100	4.5	5.5	5,010	1/9/2013	12/20/2012	United States	ES_0087091_STG B*****2 +02052013040643 _9999999
Speed Queen	STGL+		Front Load	Commercial	2.84	2.24	2.0	154	4.5	5.5	5,010	10/1/2008	12/30/2010	United States	ES_0087091_STG L +02062013043855 _9999999
Speed Queen	STGN+		Front Load	Commercial	2.84	2.46	2.0	96	3.8	5.5	4,230	6/15/2011	5/16/2011	United States	ES_0087091_STG N +02062013043855 _9999999
Speed Queen	STGN*****2+		Front Load	Commercial	2.84	2.4	2.0	105	4.0	5.5	4,453	1/9/2013	12/20/2012	United States	ES_0087091_STG N*****2 +02052013040643 _9999999
Wascomat	EHWF09810M		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/15/2012	3/27/2012	United States, Canada	ES_0031566_EH WF09810M04192 013021426_99999 99
Wascomat	EHWF09810M		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/30/2012	3/27/2012	United States, Canada	ES_0031566_EH WF09810M04192 013021428_99999 99
Wascomat	EHWF09810NM		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/15/2012	3/27/2012	United States, Canada	ES_0031566_EH WF09810NM0419 2013021426_9999 999
Wascomat	EHWF09810NM		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/30/2012	3/27/2012	United States, Canada	ES_0031566_EH WF09810NM0419 2013021429_9999 999
Wascomat	EX745co		Front Load	Commercial	5.81	2.3	2.0	403	4.1	5.5	9,338	5/2/2013	4/26/2013	United States, Canada	ES_1082677_EX7 45co_0422201314 2510_9158136
Wascomat	WHWF09810M		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/15/2012	3/27/2012	United States, Canada	ES_0031566_WH WF09810M04192 013021426_99999 99
Wascomat	WHWF09810M		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/30/2012	3/27/2012	United States, Canada	ES_0031566_WH WF09810M04192 013021416_99999 99
Wascomat	WHWF09810NM		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/15/2012	3/27/2012	United States, Canada	ES_0031566_WH WF09810NM0419 2013021426_9999 999
Wascomat	WHWF09810NM		Front Load	Commercial	3.50	2.47	2.0	113	3.7	5.5	5,076	5/30/2012	3/27/2012	United States, Canada	ES_0031566_WH WF09810NM0419 2013021427_9999 999
Whirlpool	CET8000XQ*+		Front Load	Commercial	3.20	2.26	2.0	156	4.4	5.5	5,519	2/20/2012	2/13/2012	United States, Canada	ES_0022856_CET 8000XQ* +_0219201304184 1_9999999

Brand	Model Number	Additional Model Information	Load Configuration	Intended Market	Volume (cubic feet)	Modified Energy Factor (MEF)	Federal Standard (MEF)	Annual Energy Use (kWh/year)	Water Factor (WF)	Federal Standard (WF)	Annual Water Use (gallons/year)	Date Available On Market	Date Qualified	Markets	ENERGY STAR Model Identifier
Whirlpool	CGT8000XQ*+		Front Load	Commercial	3.20	2.26	2.0	156	4.4	5.5	5,519	2/20/2012	2/13/2012	United States, Canada	ES_0022856_CGT8000XQ*+_02192013041841_9999999
Whirlpool	CHW8990A*+		Front Load	Commercial	3.06	2.24	2.0	166	4.3	5.5	5,158	4/14/2012	4/12/2012	United States, Canada	ES_0022856_CHW8990A*+_02192013041841_9999999
Whirlpool	CHW8990XW*+		Front Load	Commercial	3.20	2.26	2.0	156	4.4	5.5	5,519	2/4/2011	12/30/2010	United States, Canada	ES_0022856_CHW8990XW*+_02192013041841_9999999

## Definitions for Clothes Washer Product Listing Column Headers

Column Header	Definition
<b>Brand</b>	An identifier assigned by the manufacturer or private labeler to a product or family/series of products for sales and marketing purposes.
<b>Model Number</b>	A distinguishing identifier, usually alphanumeric, assigned to a product by the manufacturer or private labeler.
<b>Additional Model Information</b>	This column includes for the qualified model or family, family members, additional model names, model numbers and other identifying information associated with a product or family/series of products for sales and marketing purposes. Other identifying information includes, but is not limited to, SKUs, UPC codes, retail numbers, and/or descriptions of models included/not included in the reported Model Family.
<b>Load Configuration</b>	Type refers to whether the product is a front-loading washer or a top-loading washer.
<b>Intended Market</b>	This refers to whether the product is intended to be sold in the residential market, the commercial/multi-family housing/coin laundry market, or both.
<b>Volume (cubic feet)</b>	This is the tub capacity of the clothes washer in cubic feet, as measured by the U.S. Department of Energy (DOE) test procedure, Code of Federal Regulations, Title 10, Section 430, Appendix J1.
<b>Modified Energy Factor (MEF)</b>	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: ft <sup>3</sup> /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.
<b>Federal Standard (MEF)</b>	The mandatory energy efficiency standards for clothes washers, established by DOE rulemaking activities and federal laws.
<b>Annual Energy Use (kWh/year)</b>	This is the estimated annual energy use of the clothes washer under typical conditions, including the energy used by the washer and the energy needed to heat the water used by the clothes washer with an electric water heater. Unlike MEF, the estimated annual energy use does not address how effective the washer is at removing moisture from the wash load and thus reducing the energy needed to fully dry a load in the clothes dryer. It is based on an annual usage of 392 loads per year, or around 8 loads per week, as referenced by the U.S. Department of Energy (DOE) test procedure, Code of Federal Regulations, Title 10, Section 430, Appendix J1. Actual energy consumption will vary depending on various factors such as the amount of laundry done, the size of the loads, and the settings chosen.
<b>Water Factor (WF)</b>	WF is the water performance metric for ENERGY STAR qualified clothes washers. The lower the WF, the more efficient the clothes washer. The metric has units: gallons/cycle/ft <sup>3</sup> , and is calculated as the quotient of total weighted per-cycle water consumption divided by the capacity of the clothes washer. For example, if a clothes washer has a total weighted per-cycle water consumption of 20 gallons and a tub volume of 4.0 cubic feet, then the water factor is 5.0.
<b>Federal Standard (WF)</b>	The mandatory water efficiency standards for clothes washers, established by DOE rulemaking activities and federal laws.
<b>Annual Water Use (gallons/year)</b>	This is the estimated annual water use of the washer under typical conditions. It is based on an annual usage of 392 loads per year, or around 8 loads per week, as referenced by the U.S. Department of Energy (DOE) test procedure, Code of Federal Regulations, Title 10, Section 430, Appendix J1. Actual water consumption will vary depending on the amount of laundry done.
<b>Date Available on Market</b>	The date that the model is available for purchase.
<b>Date Qualified</b>	The date on which the product was confirmed to meet the ENERGY STAR specification.
<b>Markets</b>	This list/dataset includes products sold in the U.S. and/or Canada and other ENERGY STAR partner countries.
<b>ENERGY STAR Model Identifier</b>	A unique string of characters used to identify models with the same performance characteristics. This sequence is generated by certification bodies and is reported as a single row of data on the lists of certified products.

## Key Efficiency Criteria

Qualified models meet all ENERGY STAR requirements as listed in the Version 6.1 ENERGY STAR Program Requirements for Clothes Washers that are effective as of February 1, 2013.

Clothes Washer Criteria by ENERGY STAR Version	Criteria
ENERGY STAR V6.1	Residential Clothes Washers: MEF $\geq$ 2.0 and WF $\leq$ 6.0
	Commercial Clothes Washers: MEF $\geq$ 2.2 and WF $\leq$ 4.5

### Energy Performance Metrics

Modified Energy Factor (MEF) is the energy performance metric for clothes washers. The higher the MEF, the more efficient the clothes washer.

The metric has units: ft<sup>3</sup>/kWh/cycle. MEF is the quotient of the capacity of the clothes container, C, divided by the total clothes washer energy consumption per cycle, with such energy consumption expressed as the sum of the machine electrical energy consumption, M, the hot water energy consumption, E, and the energy required for removal of the remaining moisture in the wash load, D. The equation is shown below:

$$\text{MEF} = C / (M + E + D)$$

Water Factor (WF) is the water performance metric for clothes washers. The lower the WF, the more efficient the clothes washer.

The metric has units: gallons/cycle/ft<sup>3</sup>, and is calculated as the quotient of total weighted per-cycle water consumption, Q, divided by the capacity of the clothes washer, C. The equation is shown below:

$$\text{WF} = Q / C$$

The federal EnergyGuide label on clothes washers shows the estimated annual energy consumption and cost. These figures factor in the total per-cycle energy consumption of the clothes washer, average cycles per year (392), and the average unit cost of energy. MEF and WF do not appear on the EnergyGuide label.