

**Residential Clothes Washers Qualified Product List**

**List Posted on June 01, 2012**

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

Brand Name	Model Number	Load Configuration	Volume (cubic feet)	Annual Energy Use (kWh/year)	Modified Energy Factor (MEF)	Federal Standard (MEF)	% Better than Federal Standard	Annual Water Use (gallons/year)	Water Factor (WF)	Date Qualified
Amana	NFW7300W*+	Front Load	3.46	162	2.39	1.26	90%	5,425	4	12/30/2010
Amana	NFW7600X*+	Front Load	3.86	177	2.35	1.26	87%	6,204	4.1	12/30/2010
Amana	NTW4750Y*+	Top Load	3.60	123	2.48	1.26	97%	5,137	3.64	4/12/2012
Ariston	ARWF149+#	Front Load	1.82	141.25	2.14	1.26	59%	3,933	5.51	2/7/2011
Ariston	ARWL129+#	Front Load	1.82	104.89	2.16	1.26	58%	3,541	4.96	2/7/2011
Ariston	ARWXF129+#	Front Load	1.82	104.89	2.16	1.26	58%	3,541	4.96	2/7/2011
Ariston	ARXL129+#	Front Load	1.82	104.89	2.16	1.26	58%	3,541	4.96	2/7/2011
Asko	W6324	Front Load	2.12	140	2.68	1.26	113%	2,741	3.3	12/30/2010
Asko	W6424	Front Load	2.12	140	2.68	1.26	113%	2,741	3.3	12/30/2010
Asko	W6884 ECO	Front Load	2.12	140	2.68	1.26	113%	2,741	3.3	12/30/2010
Asko	W6984	Front Load	2.12	140	2.68	1.26	113%	2,741	3.3	12/30/2010
Asko	WL6532XXLPP	Front Load	3.82	152	2.6	1.26	106%	5,690	3.8	10/7/2011
Asko	WL6532XXLRR	Front Load	3.82	152	2.6	1.26	106%	5,690	3.8	10/7/2011
Asko	WL6532XXLW	Front Load	3.82	152	2.6	1.26	106%	5,690	3.8	10/7/2011
Asko	WL6532XXLWRH	Front Load	3.82	152	2.6	1.26	106%	5,690	3.8	10/7/2011
Asko	WL6532XXLWS	Front Load	3.82	152	2.6	1.26	106%	5,690	3.8	10/7/2011
Blomberg	WM 67121 NBL00	Front Load	1.88	142.37	2.25	1.26	78%	3,537	4.8	7/28/2011
Blomberg	WM 87120 NBL00	Front Load	2.15	173	2.35	1.26	87%	3,540	4.2	7/28/2011
Bosch	WAE20060UC	Front Load	1.91	125	2.05	1.26	63%	3,818	5.1	1/1/2011
Bosch	WAS20160UC	Front Load	2.16	140	2.05	1.26	63%	4,064	4.8	1/1/2011
Bosch	WAS24460UC	Front Load	2.16	145	2.12	1.26	68%	4,064	4.8	1/1/2011
Bosch	WFVC33xxUC	Front Load	3.31	130	2.53	1.26	101%	4,282	3.3	1/1/2011
Bosch	WFVC44xxUC	Front Load	3.31	120	2.52	1.26	100%	4,412	3.4	1/1/2011
Bosch	WFVC54xxUC	Front Load	3.31	130	2.53	1.26	101%	4,282	3.3	1/1/2011
Bosch	WFVC64xxUC	Front Load	3.31	130	2.53	1.26	101%	4,282	3.3	1/1/2011
Bosch	WFVC84xxUC	Front Load	3.31	130	2.54	1.26	102%	4,282	3.3	1/1/2011
Crosley	CAW12444X*+	Top Load	3.60	123	2.48	1.26	97%	5,123	3.63	6/14/2011
Crosley	CFW4700**	Front Load	3.81	96	2.91	1.26	131%	5,377	3.6	3/17/2011
Crosley	CFW7700**	Front Load	3.65	83	3.09	1.26	145%	4,722	3.3	3/3/2011
Daewoo	DWD-WD13*****	Front Load	3.82	152	2.6	1.26	106%	5,690	3.8	10/7/2011
Daewoo	DWD-WD3011RR	Front Load	3.27	117	2.27	1.26	80%	4,102	3.2	10/11/2011
Daewoo	DWD-WD3011WW	Front Load	3.27	117	2.27	1.26	80%	4,102	3.2	10/11/2011
Daewoo	DWD-WD31WW	Front Load	3.75	142	2.32	1.26	84%	5,145	3.5	10/7/2011
Daewoo	DWD-WD33RS	Front Load	3.78	128	2.43	1.26	93%	5,038	3.4	10/11/2011
Daewoo	DWD-WD33WS	Front Load	3.78	128	2.43	1.26	93%	5,038	3.4	10/11/2011
Daewoo	DWF-260AXAP	Top Load	3.32	275	2	1.26	59%	7,158	5.5	3/7/2012
Daewoo	DWF-262AXAP	Top Load	3.35	284	2	1.26	58%	7,354	5.6	3/7/2012
Daewoo	DWF-33A*W**	Top Load	3.35	284	2	1.26	58%	7,354	5.6	3/7/2012
Daewoo	DWF-33B*W**	Top Load	3.32	275	2	1.26	59%	7,158	5.5	3/7/2012
Daewoo	DWF-33C*W**	Top Load	3.32	275	2	1.26	59%	7,158	5.5	3/7/2012
Elba	WA37T26EW2	Top Load	3.00	198	2.07	1.26	64%	7,056	6	2/16/2011
Electrolux	EIFLS55***	Front Load	4.22	127	3.1	1.26	146%	4,466	2.7	1/11/2012
Electrolux	EIFLS60**	Front Load	4.30	102	3.33	1.26	164%	4,720	2.8	3/3/2011
Electrolux	EIFLW50***	Front Load	4.22	138	3.1	1.26	146%	4,632	2.8	1/11/2012
Electrolux	EIFLW55**	Front Load	4.05	138	2.88	1.26	129%	5,557	3.5	1/10/2012
Electrolux	EWFLS70**	Front Load	4.42	118	3.29	1.26	161%	4,851	2.8	3/3/2011
Electrolux	EWFLW65H**	Front Load	4.05	256	2.31	1.26	162%	6,033	3.8	2/22/2011
Electrolux	EWFLW65I**	Front Load	4.05	256	2.31	1.26	162%	6,033	3.8	2/22/2011
Fisher & Paykel	GWL15	Top Load	3.00	198	2.07	1.26	64%	7,056	6	1/13/2011
Fisher & Paykel	WA37T26GW2	Top Load	3.00	198	2.07	1.26	64%	7,056	6	1/13/2011
Fisher & Paykel	WA42T26GW*	Top Load	3.00	198	2.07	1.26	64%	7,056	6	1/13/2011
Fisher & Paykel	WL26CW1	Top Load	3.10	211	2	1.26	59%	7,291	6	1/13/2011
Fisher & Paykel	WL26CW2	Top Load	3.13	199	2.15	1.26	71%	7,116	5.8	1/13/2011
Fisher & Paykel	WL37T26C	Top Load	3.10	199	2.15	1.26	71%	7,048	5.8	1/13/2011
Fisher & Paykel	WL37T26D	Top Load	3.10	199	2.15	1.26	71%	7,048	5.8	1/13/2011
Fisher & Paykel	WL37T26*W2	Top Load	3.10	175	2.25	1.26	79%	5,225	4.3	1/13/2011
Fisher & Paykel	WL37TD1	Top Load	3.10	199	2.15	1.26	71%	7,048	5.8	1/13/2011
Fisher & Paykel	WL42T26***	Top Load	3.13	151	2.44	1.26	94%	4,761	3.88	1/13/2011
Fisher & Paykel	WL42T26*W*	Top Load	3.10	198	2.25	1.26	79%	5,225	4.3	1/13/2011
Frigidaire	FAFS4073**	Front Load	3.81	96	3.41	1.26	171%	4,182	2.8	2/10/2012
Frigidaire	FAFS4174**	Front Load	3.86	104	3.37	1.26	167%	4,085	2.7	2/13/2012

Brand Name	Model Number	Load Configuration	Volume (cubic feet)	Annual Energy Use (kWh/year)	Modified Energy Factor (MEF)	Federal Standard (MEF)	% Better than Federal Standard	Annual Water Use (gallons/year)	Water Factor (WF)	Date Qualified
Frigidaire	FAFS4272**	Front Load	3.81	96	3.09	1.26	145%	4,929	3.3	3/4/2011
Frigidaire	FAFS4473**	Front Load	3.81	104	2.96	1.26	135%	4,779	3.2	3/23/2011
Frigidaire	FAFS4474**	Front Load	3.81	104	3.21	1.26	155%	4,331	2.9	3/4/2011
Frigidaire	FAFW3001**	Front Load	3.26	99	2.86	1.26	127%	4,473	3.5	9/30/2011
Frigidaire	FAFW3801**	Front Load	3.26	99	3	1.26	138%	4,217	3.3	2/10/2012
Frigidaire	FAFW3921**	Front Load	3.68	92	3.35	1.26	166%	4,183	2.9	2/13/2012
Frigidaire	FAFW4011**	Front Load	3.65	83	2.91	1.26	131%	5,151	3.6	4/18/2011
Frigidaire	FAFW4070**	Front Load	3.65	83	2.91	1.26	131%	5,151	3.6	4/18/2011
Frigidaire	FAFW4221L**	Front Load	3.68	111	2.86	1.26	127%	4,905	3.4	3/21/2011
Frigidaire	FFLE2022**	Top Load	3.26	154	2	1.26	59%	7,092	5.55	3/8/2012
Frigidaire	FFLG2022**	Top Load	3.26	154	2	1.26	59%	7,092	5.55	3/8/2012
Frigidaire	FRFW3700**	Front Load	3.23	77	2.64	1.26	110%	4,052	3.2	3/1/2011
Frigidaire	FTF1240F**	Front Load	2.65	210	2	1.26	59%	5,610	5.4	2/22/2011
Frigidaire	FTF2140F**	Front Load	3.00	202	2.01	1.26	60%	4,822	4.1	3/4/2011
Frigidaire	FTF2140F**	Front Load	3.00	202	2.01	1.26	60%	4,822	4.1	2/22/2011
Frigidaire	FTF530**	Front Load	2.65	139	2.27	1.26	80%	5,506	5.3	3/4/2011
Frigidaire	GLEH1642F**	Front Load	2.65	165	2.09	1.26	66%	5,402	5.2	2/22/2011
Frigidaire	GLGH1642F**	Front Load	2.65	165	2.09	1.26	66%	5,402	5.2	2/22/2011
Frigidaire	GLTF2940F**	Front Load	3.00	196	2.22	1.26	76%	4,939	4.2	3/4/2011
Frigidaire	LAF8000**	Front Load	3.81	104	2.96	1.26	135%	4,779	3.2	3/23/2011
Frigidaire	LAFW6000**	Front Load	3.68	111	2.86	1.26	127%	4,905	3.4	3/21/2011
Frigidaire	LAFW7000**	Front Load	3.81	96	3.09	1.26	145%	4,929	3.3	3/4/2011
Frigidaire	LAFW8000**	Front Load	3.81	104	2.96	1.26	135%	4,779	3.2	3/23/2011
Frigidaire	LFAFW6000**	Front Load	3.68	111	2.86	1.26	127%	4,905	3.4	3/21/2011
Frigidaire	WTF330**	Front Load	2.65	139	2.27	1.26	80%	5,506	5.3	3/4/2011
GE	GCWN4950D*	Top Load	3.99	166	2.2	1.26	47%	7,038	4.5	3/26/2012
GE	GCWN5050M**	Top Load	3.60	160	2.2	1.26	75%	6,350	4.5	12/30/2010
GE	GFWH1400D***	Front Load	4.08	171	2.65	1.26	110%	5,790	3.62	4/20/2012
GE	GFWH1405D***	Front Load	4.08	171	2.65	1.26	110%	5,790	3.62	4/20/2012
GE	GFWH2400L***	Front Load	4.15	200	2.61	1.26	107%	6,338	3.9	5/4/2011
GE	GFWH2405L***	Front Load	4.15	200	2.61	1.26	107%	6,338	3.9	5/4/2011
GE	GFWN1000L*	Front Load	3.30	142	2.22	1.26	76%	5,304	4.1	2/7/2011
GE	GFWN1100L***	Front Load	3.47	151	2.2	1.26	75%	5,438	4	5/4/2011
GE	GFWS1500D***	Front Load	4.08	171	2.65	1.26	110%	5,790	3.62	4/20/2012
GE	GFWS1505D***	Front Load	4.08	171	2.65	1.26	110%	5,790	3.62	4/20/2012
GE	GFWS3500L***	Front Load	4.15	200	2.61	1.26	107%	6,338	3.9	5/4/2011
GE	GFWS3505L***	Front Load	4.15	200	2.61	1.26	107%	6,338	3.9	5/4/2011
GE	GHWN4250D*	Top Load	3.93	208	2	1.26	37%	9,243	6	2/24/2012
GE	GHWN5250D*	Top Load	3.93	217	2	1.26	37%	9,243	6	3/26/2012
GE	GLWN5050M**	Top Load	3.60	160	2.2	1.26	75%	6,350	4.5	12/30/2010
GE	GLWN5250D*	Top Load	3.93	217	2	1.26	37%	9,243	6	3/26/2012
GE	GLWN5550D**	Top Load	3.99	175	2.2	1.26	47%	7,038	4.5	4/9/2012
GE	GRWN5150M**	Top Load	3.60	160	2.2	1.26	75%	6,350	4.5	12/30/2010
GE	GRWN5550D**	Top Load	3.99	175	2.2	1.26	47%	7,038	4.5	4/9/2012
GE	GTUN275E****	Top Load	3.43	157	2.02	1.26	60%	7,597	5.65	1/30/2012
GE	GTUN275G****	Top Load	3.43	157	2.02	1.26	60%	7,597	5.65	1/30/2012
GE	GTWN4250D*	Top Load	3.93	208	2	1.26	37%	9,243	6	2/24/2012
GE	GTWN4250M**	Top Load	3.58	186	2.07	1.26	64%	8,420	6	12/30/2010
GE	GTWN4450M**	Top Load	3.58	186	2.07	1.26	64%	8,420	6	12/30/2010
GE	GTWN4950D*	Top Load	3.99	166	2.2	1.26	47%	7,038	4.5	3/26/2012
GE	GTWN4950L**	Top Load	3.60	160	2.2	1.26	75%	6,350	4.5	12/30/2010
GE	GTWN5050M**	Top Load	3.60	160	2.2	1.26	75%	6,350	4.5	12/30/2010
GE	GTWN5250D*	Top Load	3.93	217	2	1.26	37%	9,243	6	3/26/2012
GE	GTWN5350D**	Top Load	3.99	175	2.2	1.26	47%	7,038	4.5	4/9/2012
GE	GTWN5450D*	Top Load	3.93	217	2	1.26	37%	9,243	6	3/26/2012
GE	GTWN5550D**	Top Load	3.99	175	2.2	1.26	47%	7,038	4.5	4/9/2012
GE	GTWN5650D*	Top Load	3.93	217	2	1.26	37%	9,243	6	3/26/2012
GE	GTWN5959D**	Top Load	3.99	175	2.2	1.26	47%	7,038	4.5	4/9/2012
GE	PTWN805#M***	Top Load	4.48	263	2.21	1.26	75%	7,885	4.49	5/9/2011
GE	WBVH5300K*	Front Load	3.50	131	2.32	1.26	84%	5,214	3.8	1/31/2011
GE	WCVH6800J***	Front Load	3.47	144	2.2	1.26	75%	5,713	4.2	5/4/2011
General Electric	WCVH4800****	Front Load	2.22	122	2.3	1.26	83%	3,742	4.3	12/30/2010
General Electric	WCVH4815****	Front Load	2.22	122	2.3	1.26	83%	3,742	4.3	12/30/2010
GE Profile	PFWS4600L***	Front Load	4.33	201	2.69	1.26	113%	6,614	3.9	5/4/2011
GE Profile	PFWS4605L***	Front Load	4.33	201	2.69	1.26	113%	6,614	3.9	5/4/2011
GE Profile	PTWN6050M**	Top Load	3.60	160	2.2	1.26	75%	6,350	4.5	12/30/2010
GE Profile	PTWN6250M**	Top Load	3.60	160	2.2	1.26	75%	6,350	4.5	12/30/2010
GE Profile	WPDH8800J*	Front Load	3.60	191	2.23	1.26	77%	5,786	4.1	1/31/2011
GE Profile	WPDH8900J*	Front Load	3.60	191	2.23	1.26	77%	5,786	4.1	1/31/2011

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GE Profile	WPDH8910K*	Front Load	3.60	191	2.23	1.26	77%	5,786	4.1	1/31/2011
GE Profile	WPRE6150K**	Top Load	3.57	199	2.02	1.26	60%	7,557	5.4	12/30/2010
GE Profile	WPRE8150K**	Top Load	3.57	199	2.02	1.26	60%	7,557	5.4	12/30/2010
Haier	GWT460AW	Top Load	3.16	200	2	1.26	59%	7,432	6	3/31/2011
Haier	GWT460BW	Top Load	3.16	200	2	1.26	59%	7,432	6	4/12/2012
Haier	HWF5000**	Front Load	3.50	173	2.4	1.26	90%	5,351	3.9	9/30/2011
Haier	HWF5000AW	Front Load	3.70	171	2.2	1.26	75%	6,962	4.8	12/30/2010
Haier	HWF5300**	Front Load	3.50	173	2.42	1.26	92%	5,351	3.9	9/30/2011
Haier	HWF5300AW	Front Load	3.70	173	2.4	1.26	90%	6,672	4.6	12/30/2010
Inglis	IFW7300W*+	Front Load	3.46	162	2.39	1.26	90%	5,425	4	12/30/2010
Kenmore	2125*10+	Top Load	3.35	150	2.04	1.26	62%	7,774	5.92	3/28/2011
Kenmore	2130*	Top Load	3.60	123	2.48	1.26	97%	5,137	3.64	4/28/2011
Kenmore	2135*10+	Top Load	3.35	150	2.04	1.26	62%	7,768	5.92	4/10/2012
Kenmore	2139*	Top Load	3.60	123	2.48	1.26	97%	5,137	3.64	4/28/2011
Kenmore	2600*10+	Top Load	3.60	123	2.45	1.26	94%	5,052	3.58	11/9/2011
Kenmore	2601*10+	Top Load	3.60	123	2.45	1.26	94%	5,052	3.58	11/9/2011
Kenmore	2800*10+	Top Load	3.60	123	2.45	1.26	94%	5,052	3.58	11/9/2011
Kenmore	2801*10+	Top Load	3.60	123	2.45	1.26	94%	5,052	3.58	11/9/2011
Kenmore	2806*80+	Top Load	4.08	252	2.23	1.26	77%	7,037	4.4	12/30/2010
Kenmore	2807*80+	Top Load	4.08	252	2.23	1.26	77%	7,037	4.4	12/30/2010
Kenmore	2808170*+	Top Load	4.08	259	2.26	1.26	79%	7,197	4.5	12/30/2010
Kenmore	2808770*+	Top Load	4.08	259	2.26	1.26	79%	7,197	4.5	12/30/2010
Kenmore	2809170*+	Top Load	4.08	259	2.26	1.26	79%	7,197	4.5	12/30/2010
Kenmore	2809770*+	Top Load	4.08	259	2.26	1.26	79%	7,197	4.5	12/30/2010
Kenmore	2900#00#	Top Load	4.32	273	2.41	1.26	91%	6,774	4	1/3/2011
Kenmore	2927#00#	Top Load	4.48	250	2.41	1.26	91%	7,025	4	1/3/2011
Kenmore	2947#00#	Top Load	4.48	250	2.41	1.26	91%	7,025	4	3/3/2011
Kenmore	3151#21#	Top Load	4.67	170	2.75	1.26	118%	6,737	3.68	4/18/2012
Kenmore	3152#21#	Top Load	4.67	170	2.75	1.26	118%	6,737	3.68	4/18/2012
Kenmore	402.4903*01*	Front Load	3.45	144	2.5	1.26	98%	4,463	3.3	12/30/2010
Kenmore	4027#90#	Front Load	3.52	126	2.75	1.26	118%	4,967	3.6	1/3/2011
Kenmore	4031#90#	Front Load	3.63	119	2.88	1.26	129%	4,838	3.4	1/3/2011
Kenmore	4041**	Front Load	2.65	160	2.01	1.26	60%	5,921	5.7	4/18/2011
Kenmore	4044#90#	Front Load	3.63	119	2.88	1.26	129%	4,838	3.4	1/3/2011
Kenmore	4051#90#	Front Load	3.87	112	2.85	1.26	126%	5,158	3.4	1/3/2011
Kenmore	4102#90#	Front Load	3.87	110	2.9	1.26	130%	5,158	3.4	1/3/2011
Kenmore	4137#21#	Front Load	3.73	111	3.05	1.26	142%	4,825	3.3	4/3/2012
Kenmore	4147#21#	Front Load	3.96	116	3.2	1.26	154%	5,123	3.3	1/23/2012
Kenmore	4153#21#	Front Load	4.26	95	3.4	1.26	170%	4,843	2.9	5/9/2011
Kenmore	4154#21#	Front Load	4.26	95	3.4	1.26	170%	4,676	2.8	5/9/2011
Kenmore	4172#00#	Front Load	4.17	108	2.99	1.26	137%	5,558	3.4	1/3/2011
Kenmore	417.4110**	Front Load	4.34	104	3.15	1.26	150%	4,764	2.8	4/18/2011
Kenmore	417.4413**	Front Load	4.40	109	3.15	1.26	150%	4,829	2.8	4/18/2011
Kenmore	4650*70+	Front Load	2.99	165	2.22	1.26	76%	5,509	4.7	12/30/2010
Kenmore	4651*70+	Front Load	2.99	165	2.22	1.26	76%	5,509	4.7	12/30/2010
Kenmore	4674*70+	Front Load	3.51	140	2.38	1.26	89%	5,228	3.8	12/30/2010
Kenmore	4674*80+	Front Load	3.51	133	2.28	1.26	81%	5,228	3.8	12/30/2010
Kenmore	4675*70+	Front Load	3.51	140	2.38	1.26	89%	5,228	3.8	12/30/2010
Kenmore	4708*60+	Front Load	3.51	202	2.36	1.26	87%	5,504	4	12/30/2010
Kenmore	4709*60+	Front Load	3.51	202	2.36	1.26	87%	5,504	4	12/30/2010
Kenmore	4751****	Front Load	3.18	150	2.58	1.26	105%	4,986	4	12/30/2010
Kenmore	4753****	Front Load	3.18	150	2.58	1.26	105%	4,986	4	12/30/2010
Kenmore	4754****	Front Load	3.18	150	2.58	1.26	105%	4,986	4	12/30/2010
Kenmore	4756*70+	Front Load	3.26	145	2.6	1.26	106%	4,728	3.7	12/30/2010
Kenmore	4757*70+	Front Load	3.26	145	2.6	1.26	106%	4,728	3.7	12/30/2010
Kenmore	4758****	Front Load	3.26	145	2.6	1.26	106%	4,728	3.7	12/30/2010
Kenmore	4770****	Front Load	3.79	136	2.64	1.26	110%	5,051	3.4	12/30/2010
Kenmore	4771****	Front Load	3.79	136	2.64	1.26	110%	5,051	3.4	12/30/2010
Kenmore	4775****	Front Load	3.79	136	2.64	1.26	110%	5,051	3.4	12/30/2010
Kenmore	4776****	Front Load	3.79	136	2.64	1.26	110%	5,051	3.4	12/30/2010
Kenmore	4778****	Front Load	3.51	151	2.59	1.26	106%	5,228	3.8	12/30/2010
Kenmore	47781702	Front Load	3.51	132	2.46	1.26	95%	5,228	3.8	12/30/2010
Kenmore	4778*80+	Front Load	3.79	136	2.64	1.26	110%	5,051	3.4	12/30/2010
Kenmore	4779****	Front Load	3.51	151	2.59	1.26	106%	5,228	3.8	12/30/2010
Kenmore	4779*80+	Front Load	3.79	136	2.64	1.26	110%	5,051	3.4	12/30/2010
Kenmore	4785*60+	Front Load	3.51	187	2.22	1.26	76%	5,779	4.2	12/30/2010
Kenmore	4788*60+	Front Load	3.51	187	2.22	1.26	76%	5,779	4.2	12/30/2010
Kenmore	4789*60+	Front Load	3.51	187	2.22	1.26	76%	5,779	4.2	12/30/2010
Kenmore	4996#60**	Front Load	3.51	187	2.22	1.26	76%	5,779	4.2	12/30/2010

Brand Name	Model Number	Load Configuration	Volume (cubic feet)	Annual Energy Use (kWh/year)	Modified Energy Factor (MEF)	Federal Standard (MEF)	% Better than Federal Standard	Annual Water Use (gallons/year)	Water Factor (WF)	Date Qualified
Kenmore	4997#60**	Front Load	3.51	187	2.22	1.26	76%	5,779	4.2	12/30/2010
Kenmore	592-4900*	Front Load	3.86	138	2.58	1.26	105%	5,008	3.31	12/30/2010
Kenmore	592-4903*	Front Load	3.45	144	2.5	1.26	98%	4,449	3.29	6/23/2011
Kenmore	592-4904*	Front Load	3.43	165	2.41	1.26	91%	4,840	3.6	12/30/2010
Kenmore	592-49042	Front Load	3.45	165	2.43	1.26	93%	4,760	3.52	8/16/2011
Kenmore	592-4905*	Front Load	3.43	165	2.45	1.26	94%	4,840	3.6	12/30/2010
Kenmore	592-4906*	Front Load	3.69	149	2.46	1.26	95%	4,773	3.3	12/30/2010
Kenmore	592-4907*	Front Load	3.69	149	2.46	1.26	95%	4,773	3.3	12/30/2010
Kenmore	592-4908*	Front Load	3.69	145	2.46	1.26	95%	4,773	3.3	12/30/2010
Kenmore	592-4912*	Front Load	3.69	149	2.46	1.26	95%	4,773	3.3	9/28/2011
Kenmore	592-4914*	Front Load	3.69	149	2.46	1.26	95%	4,773	3.3	9/28/2011
Kenmore	592-4915*	Front Load	3.69	149	2.46	1.26	95%	4,773	3.3	9/28/2011
Kenmore	592-4918*	Front Load	3.69	145	2.46	1.26	95%	4,773	3.3	9/28/2011
Kenmore	592-4919*	Front Load	3.86	160	2.58	1.26	105%	5,145	3.4	1/19/2012
Kenmore	6154****	Top Load	3.43	157	2.02	1.26	60%	7,597	5.65	1/30/2012
Kenmore	7154****	Top Load	3.43	157	2.02	1.26	60%	7,597	5.65	1/30/2012
LG	LSWF388H**	Front Load	4.17	108	2.99	1.26	137%	5,558	3.4	1/3/2011
LG	WM1355H*	Front Load	2.34	108	2.4	1.26	90%	4,036	4.4	1/3/2011
LG	WM2101H*	Front Load	3.52	160	2.21	1.26	75%	5,174	3.75	4/26/2011
LG	WM2140C**	Front Load	3.47	97	2.99	1.26	137%	4,761	3.5	1/3/2011
LG	WM2240C**	Front Load	3.69	110	2.74	1.26	117%	5,352	3.7	1/3/2011
LG	WM2250C**	Front Load	3.60	97	3	1.26	138%	4,657	3.3	1/23/2012
LG	WM2350H**	Front Load	3.69	102	2.8	1.26	122%	4,918	3.4	1/3/2011
LG	WM2450H**	Front Load	3.69	105	3	1.26	138%	5,121	3.54	4/26/2011
LG	WM2550H***	Front Load	3.69	105	3	1.26	138%	5,121	3.54	4/26/2011
LG	WM2650H**	Front Load	3.60	97	3	1.26	138%	4,657	3.3	1/23/2012
LG	WM2655H**	Front Load	3.60	97	3	1.26	138%	4,657	3.3	4/18/2012
LG	WM3070H***	Front Load	3.73	111	3.05	1.26	142%	4,825	3.3	4/3/2012
LG	WM3150H**	Front Load	4.26	95	3.4	1.26	170%	4,843	2.9	4/26/2011
LG	WM3360H***	Front Load	3.87	100	3.14	1.26	149%	5,006	3.3	1/3/2011
LG	WM3470H**	Front Load	3.96	116	3.2	1.26	154%	5,123	3.3	1/23/2012
LG	WM3550H***	Front Load	4.26	95	3.4	1.26	170%	4,676	2.8	5/9/2011
LG	WM3875H***	Front Load	4.17	108	2.99	1.26	137%	5,558	3.4	1/3/2011
LG	WM3885H***	Front Load	4.17	108	2.99	1.26	137%	5,558	3.4	1/3/2011
LG	WM8000H**	Front Load	5.16	135	3.5	1.26	178%	5,967	2.95	4/18/2012
LG	WT4801C*	Top Load	3.73	175	2.41	1.26	91%	5,761	3.94	6/20/2011
LG	WT4901C*	Top Load	4.67	170	2.75	1.26	118%	6,737	3.68	4/18/2012
LG	WT5001C*	Top Load	4.48	250	2.41	1.26	91%	7,025	4	1/3/2011
LG	WT5070C*	Top Load	4.67	170	2.75	1.26	118%	6,773	3.7	1/5/2012
LG	WT5101H*	Top Load	4.48	250	2.41	1.26	91%	7,025	4	1/3/2011
LG	WT5170H*	Top Load	4.67	170	2.75	1.26	118%	6,773	3.7	1/5/2012
LG	WT6001H*	Top Load	4.67	182	2.69	1.26	113%	6,590	3.6	10/27/2011
Maytag	MHW6000X*+	Front Load	4.33	168	3	1.26	138%	4,549	2.68	11/9/2011
Maytag	MHW7000X*+	Front Load	4.33	169	3	1.26	138%	4,719	2.78	4/28/2011
Maytag	MHW9000Y*+	Front Load	4.33	160	3	1.26	138%	4,617	2.72	11/9/2011
Maytag	MHWC7500Y*+	Front Load	1.97	151	2.08	1.26	65%	4,031	5.22	11/9/2011
Maytag	MHWE200X*+	Front Load	3.46	161	2.35	1.26	87%	5,154	3.8	12/30/2010
Maytag	MHWE201Y*+	Front Load	3.46	154	2.46	1.26	95%	5,005	3.69	3/28/2011
Maytag	MHWE250X*+	Front Load	3.46	161	2.35	1.26	87%	5,154	3.8	12/30/2010
Maytag	MHWE251Y*+	Front Load	3.46	154	2.46	1.26	95%	5,005	3.69	3/28/2011
Maytag	MHWE300V*+	Front Load	3.47	160	2.18	1.26	73%	5,849	4.3	12/30/2010
Maytag	MHWE300W#**	Front Load	3.51	161	2.31	1.26	83%	5,641	4.1	12/30/2010
Maytag	MHWE301Y*+	Front Load	3.46	154	2.46	1.26	95%	5,005	3.69	3/28/2011
Maytag	MHWE400W*+	Front Load	3.86	174	2.66	1.26	111%	4,600	3.04	4/28/2011
Maytag	MHWE450W*+	Front Load	3.86	174	2.66	1.26	111%	4,600	3.04	4/28/2011
Maytag	MHWE500V*+	Front Load	3.47	138	2.35	1.26	87%	5,169	3.8	12/30/2010
Maytag	MHWE550W#**	Front Load	3.86	147	2.66	1.26	111%	5,447	3.6	12/30/2010
Maytag	MHWE900V*+	Front Load	3.79	141	2.58	1.26	105%	5,348	3.6	12/30/2010
Maytag	MHWE950W*+	Top Load	3.86	147	2.46	1.26	95%	4,449	2.94	4/10/2012
Maytag	MHWZ400T*+	Front Load	3.46	139	2.45	1.26	94%	5,290	3.9	12/30/2010
Maytag	MHWZ600T*+	Front Load	3.46	139	2.45	1.26	94%	5,290	3.9	12/30/2010
Maytag	MHWZ600W*+	Front Load	3.46	139	2.45	1.26	94%	5,290	3.9	12/30/2010
Maytag	MVWB300W*+	Top Load	3.95	257	2.28	1.26	81%	6,813	4.4	4/28/2011
Maytag	MVWB400V*+	Top Load	4.08	252	2.23	1.26	77%	7,037	4.4	12/30/2010
Maytag	MVWB450W*+	Top Load	3.95	258	2.22	1.26	76%	6,828	4.41	4/28/2011
Maytag	MVWB455Y*+	Top Load	3.95	146	2.61	1.26	107%	5,017	3.24	3/28/2011
Maytag	MVWB700V*+	Top Load	4.08	252	2.23	1.26	77%	7,037	4.4	12/30/2010
Maytag	MVWB750W*+	Top Load	3.95	258	2.22	1.26	76%	6,828	4.41	4/28/2011
Maytag	MVWB750Y*+	Top Load	4.60	190	2.61	1.26	107%	6,654	3.69	7/22/2011

Brand Name	Model Number	Load Configuration	Volume (cubic feet)	Annual Energy Use (kWh/year)	Modified Energy Factor (MEF)	Federal Standard (MEF)	% Better than Federal Standard	Annual Water Use (gallons/year)	Water Factor (WF)	Date Qualified
Maytag	MVWB755Y*+	Top Load	3.95	146	2.61	1.26	107%	5,017	3.24	3/9/2011
Maytag	MVWB800V*+	Top Load	4.08	249	2.25	1.26	79%	7,197	4.5	12/30/2010
Maytag	MVWB800Y*+	Top Load	4.60	190	2.61	1.26	107%	6,654	3.69	7/22/2011
Maytag	MVWB850W*+	Top Load	3.95	258	2.22	1.26	76%	6,828	4.41	4/28/2011
Maytag	MVWB850Y*+	Top Load	4.60	198	2.57	1.26	104%	6,996	3.88	7/8/2011
Maytag	MVWB950Y*+	Top Load	4.60	198	2.57	1.26	104%	6,996	3.88	7/8/2011
Maytag	MVWC300X*+	Top Load	3.35	144	2.02	1.26	60%	7,735	5.89	3/8/2011
Maytag	MVWC350A*+	Top Load	3.35	144	2.02	1.26	61%	7,743	5.9	4/12/2012
Maytag	MVWC400X*+	Top Load	3.60	123	2.48	1.26	97%	5,137	3.64	4/28/2011
Maytag	MVWC450X*+	Top Load	3.60	123	2.48	1.26	97%	5,137	3.64	4/10/2012
Maytag	MVWX500X*+	Top Load	3.60	122	2.46	1.26	95%	5,109	3.62	4/28/2011
Maytag	MVWX550X*+	Top Load	3.60	122	2.46	1.26	95%	5,109	3.62	4/28/2011
Maytag	MVWX5SPA*+	Top Load	3.60	122	2.46	1.26	95%	5,109	3.62	4/12/2012
Maytag	MVWX600X*+	Top Load	3.60	122	2.46	1.26	95%	5,109	3.62	4/28/2011
Maytag	MVWX700A*+	Top Load	3.60	122	2.46	1.26	95%	5,109	3.62	4/12/2012
Maytag	MVWX700X*+	Top Load	3.60	122	2.46	1.26	95%	5,109	3.62	4/28/2011
Miele	PW6065	Front Load	2.08	133	2.23	1.26	77%	3,718	4.56	1/7/2011
Miele	W3033	Front Load	1.98	139	2.32	1.26	84%	3,431	4.42	1/7/2011
Miele	W3035	Front Load	1.98	139	2.32	1.26	84%	3,431	4.42	1/7/2011
Miele	W3039	Front Load	1.77	128	2.25	1.26	79%	3,060	4.41	1/7/2011
Miele	W4802	Front Load	3.07	186	2.4	1.26	90%	5,103	4.24	1/7/2011
Miele	W4842	Front Load	3.07	186	2.4	1.26	90%	5,103	4.24	1/7/2011
Samsung	WA400P*HD**	Top Load	4.12	163	2.41	1.26	91%	5,992	3.71	4/6/2012
Samsung	WA422P*HD**	Top Load	4.24	169	2.45	1.26	94%	5,900	3.55	3/30/2012
Samsung	WA456D*HD**	Top Load	4.47	169	2.45	1.26	94%	6,220	3.55	3/5/2012
Samsung	WA5451***	Top Load	4.65	247	2.41	1.26	91%	7,291	4	3/22/2011
Samsung	WA5471***	Top Load	4.65	199	2.57	1.26	104%	6,927	3.8	3/10/2011
Samsung	WF203***	Front Load	3.11	216	2.04	1.26	62%	4,876	4	12/30/2010
Samsung	WF209***	Front Load	3.47	146	2.61	1.26	107%	5,169	3.8	12/30/2010
Samsung	WF210***	Front Load	3.45	141	2.5	1.26	98%	4,463	3.3	12/30/2010
Samsung	WF218***	Front Load	3.43	165	2.47	1.26	96%	4,437	3.3	12/30/2010
Samsung	WF219***	Front Load	3.43	130	2.65	1.26	110%	4,303	3.2	12/30/2010
Samsung	WF220***	Front Load	3.45	141	2.5	1.26	98%	4,463	3.3	12/30/2010
Samsung	WF221***	Front Load	3.45	141	2.47	1.26	96%	4,476	3.31	7/14/2011
Samsung	WF229***	Front Load	3.43	165	2.47	1.26	96%	4,437	3.3	12/30/2010
Samsung	WF231***	Front Load	3.45	100	2.8	1.26	122%	4,328	3.2	5/9/2011
Samsung	WF241***	Front Load	3.45	100	2.8	1.26	122%	4,328	3.2	7/6/2011
Samsung	WF328***	Front Load	3.43	161	2.3	1.26	83%	4,975	3.7	12/30/2010
Samsung	WF330***	Front Load	3.69	116	2.76	1.26	119%	4,484	3.1	12/30/2010
Samsung	WF331***	Front Load	3.69	116	2.76	1.26	119%	4,484	3.1	3/24/2011
Samsung	WF337***	Front Load	3.43	210	2.4	1.26	90%	4,840	3.6	12/30/2010
Samsung	WF338***	Front Load	3.43	153	2.59	1.26	106%	4,840	3.6	12/30/2010
Samsung	WF340***	Front Load	3.69	116	2.76	1.26	119%	4,484	3.1	12/30/2010
Samsung	WF350***	Front Load	3.69	116	2.76	1.26	119%	4,484	3.1	12/30/2010
Samsung	WF405A*PA**	Front Load	3.96	93	3.35	1.26	166%	4,502	2.9	2/17/2012
Samsung	WF407***	Front Load	3.47	114	2.82	1.26	124%	4,353	3.2	12/30/2010
Samsung	WF409***	Front Load	3.69	118	2.73	1.26	117%	4,499	3.11	3/24/2011
Samsung	WF410***	Front Load	3.69	118	2.73	1.26	117%	4,484	3.1	12/30/2010
Samsung	WF419***	Front Load	3.69	118	2.73	1.26	117%	4,484	3.1	12/30/2010
Samsung	WF428***	Front Load	3.86	120	2.82	1.26	124%	4,842	3.2	12/30/2010
Samsung	WF431***	Front Load	3.86	95	3.2	1.26	154%	4,524	2.99	7/14/2011
Samsung	WF448***	Front Load	3.86	120	2.76	1.26	119%	4,842	3.2	12/30/2010
Samsung	WF455A*GS**	Front Load	4.47	90	3.42	1.26	171%	4,714	2.69	2/17/2012
Samsung	WF457A*GS**	Front Load	4.47	90	3.42	1.26	171%	4,696	2.68	2/17/2012
Samsung	WF461***	Front Load	3.86	94	3.25	1.26	158%	4,388	2.9	7/14/2011
Samsung	WF501***	Front Load	4.29	100	3.02	1.26	140%	5,415	3.22	6/23/2011
Samsung	WF511***	Front Load	4.29	93	3.32	1.26	163%	4,877	2.9	7/14/2011
Samsung	WF520***	Front Load	4.29	96	3.1	1.26	146%	4,877	2.9	7/14/2011
Speed Queen	AFN50+	Front Load	2.84	184	2.04	1.26	62%	5,455	4.9	12/30/2010
Speed Queen	AFN51+	Front Load	2.84	184	2.04	1.26	62%	5,455	4.9	12/30/2010
Speed Queen	ATE50+	Front Load	2.84	184	2.04	1.26	62%	5,455	4.9	12/30/2010
Speed Queen	ATG50+	Front Load	2.84	184	2.04	1.26	62%	5,455	4.9	12/30/2010
Speed Queen	AWNA1+	Top Load	3.13	130	2.05	1.26	63%	7,116	5.8	10/7/2011
Speed Queen	LWNA1+	Top Load	3.13	130	2.05	1.26	63%	7,116	5.8	1/18/2011
Whirlpool	WFC7500V*+	Front Load	1.97	151	2.08	1.26	65%	4,031	5.22	4/10/2012
Whirlpool	WFW8300S*+	Front Load	2.99	169	2.24	1.26	78%	5,274	4.5	12/30/2010
Whirlpool	WFW8400T*+	Front Load	3.26	156	2.44	1.26	94%	5,112	4	12/30/2010
Whirlpool	WFW8410S*+	Front Load	3.26	185	2.37	1.26	88%	5,751	4.5	12/30/2010
Whirlpool	WFW9050X*+	Front Load	3.46	137	2.45	1.26	94%	5,100	3.76	4/12/2012

Brand Name	Model Number	Load Configuration	Volume (cubic feet)	Annual Energy Use (kWh/year)	Modified Energy Factor (MEF)	Federal Standard (MEF)	% Better than Federal Standard	Annual Water Use (gallons/year)	Water Factor (WF)	Date Qualified
Whirlpool	WFW9150W#**	Front Load	3.46	139	2.45	1.26	94%	5,290	3.9	12/30/2010
Whirlpool	WFW9151Y*+	Front Load	3.46	154	2.46	1.26	95%	5,005	3.69	3/28/2011
Whirlpool	WFW9200S*+	Front Load	3.51	186	2.16	1.26	71%	5,641	4.1	12/30/2010
Whirlpool	WFW9250W#**	Front Load	3.46	139	2.45	1.26	94%	5,290	3.9	12/30/2010
Whirlpool	WFW9300V*+	Front Load	3.51	186	2.29	1.26	82%	5,366	3.9	12/30/2010
Whirlpool	WFW9351Y*+	Front Load	3.46	154	2.46	1.26	95%	5,005	3.69	3/28/2011
Whirlpool	WFW9400S*#**	Front Load	3.51	186	2.29	1.26	82%	5,366	3.9	12/30/2010
Whirlpool	WFW9400V*+	Front Load	3.51	186	2.29	1.26	82%	5,366	3.9	12/30/2010
Whirlpool	WFW9450W*+	Front Load	3.79	150	2.46	1.26	95%	5,646	3.8	12/30/2010
Whirlpool	WFW9451X*	Front Load	3.90	169	2.4	1.26	90%	5,962	3.9	12/30/2010
Whirlpool	WFW9470W#**	Front Load	3.86	177	2.35	1.26	87%	6,204	4.1	12/30/2010
Whirlpool	WFW94HEX*+	Front Load	4.33	168	3	1.26	138%	4,209	2.48	11/9/2011
Whirlpool	WFW9500T*+	Front Load	3.51	119	2.26	1.26	79%	4,953	3.6	12/30/2010
Whirlpool	WFW9550W*+	Front Load	3.79	144	2.43	1.26	93%	5,096	3.43	6/14/2011
Whirlpool	WFW95HEX*+	Front Load	4.33	169	3	1.26	138%	4,719	2.78	4/28/2011
Whirlpool	WFW9600S*+	Front Load	3.51	186	2.29	1.26	82%	5,366	3.9	12/30/2010
Whirlpool	WFW9600T*+	Front Load	3.51	122	2.42	1.26	92%	5,091	3.7	12/30/2010
Whirlpool	WFW9640X*+	Front Load	3.86	136	2.65	1.26	110%	4,206	2.78	1/18/2011
Whirlpool	WFW9700V*+	Front Load	3.79	144	2.41	1.26	91%	5,646	3.8	12/30/2010
Whirlpool	WFW9750W*+	Front Load	3.86	149	2.52	1.26	100%	4,222	2.79	4/28/2011
Whirlpool	WFW97HEX*+	Front Load	4.33	155	3	1.26	138%	4,804	2.83	11/9/2011
Whirlpool	WTW4850X*+	Top Load	3.35	144	2.02	1.26	60%	7,735	5.89	3/8/2011
Whirlpool	WTW4880A*+	Top Load	3.35	144	2.02	1.26	61%	7,743	5.9	4/12/2012
Whirlpool	WTW4950X*+	Top Load	3.60	123	2.48	1.26	97%	5,137	3.64	4/28/2011
Whirlpool	WTW5500X*+	Top Load	3.60	125	2.49	1.26	98%	5,518	3.91	4/28/2011
Whirlpool	WTW5550X*+	Top Load	3.60	125	2.49	1.26	98%	5,518	3.91	6/14/2011
Whirlpool	WTW5600X*+	Top Load	3.60	123	2.46	1.26	95%	5,419	3.84	4/10/2012
Whirlpool	WTW5610X*+	Top Load	3.60	123	2.46	1.26	95%	5,419	3.84	4/10/2012
Whirlpool	WTW5640X*+	Top Load	3.60	123	2.46	1.26	95%	5,419	3.84	4/10/2012
Whirlpool	WTW5700A*+	Top Load	3.60	123	2.46	1.26	95%	5,419	3.84	4/12/2012
Whirlpool	WTW5700X*+	Top Load	3.60	123	2.46	1.26	95%	5,419	3.84	4/10/2012
Whirlpool	WTW6300W#**	Top Load	4.08	264	2.22	1.26	76%	6,877	4.3	12/30/2010
Whirlpool	WTW6340W*+	Top Load	4.08	264	2.22	1.26	76%	6,877	4.3	12/30/2010
Whirlpool	WTW6500V*+	Top Load	4.31	252	2.29	1.26	82%	7,096	4.2	12/30/2010
Whirlpool	WTW6500W*+	Top Load	4.31	252	2.29	1.26	82%	7,096	4.2	12/30/2010
Whirlpool	WTW6700T*+	Top Load	4.08	252	2.23	1.26	77%	7,037	4.4	12/30/2010
Whirlpool	WTW6800W*+	Top Load	4.31	252	2.29	1.26	82%	7,096	4.2	12/30/2010
Whirlpool	WTW7300X*+	Top Load	3.95	163	2.62	1.26	108%	5,497	3.55	4/28/2011
Whirlpool	WTW7320Y*+	Top Load	3.95	163	2.63	1.26	109%	5,497	3.55	3/9/2011
Whirlpool	WTW7340X*+	Top Load	3.95	191	2.48	1.26	97%	5,559	3.59	4/28/2011
Whirlpool	WTW7600X*+	Top Load	3.95	191	2.48	1.26	97%	5,559	3.59	4/28/2011
Whirlpool	WTW7800X*+	Top Load	3.95	191	2.48	1.26	97%	5,559	3.59	4/28/2011
Whirlpool	WTW7990X*+	Top Load	3.95	205	2.44	1.26	94%	5,667	3.66	4/28/2011
Whirlpool	WTW8200Y*+	Top Load	4.60	183	2.65	1.26	110%	6,690	3.71	8/24/2011
Whirlpool	WTW8240Y*+	Top Load	4.60	183	2.65	1.26	110%	6,690	3.71	8/24/2011
Whirlpool	WTW8400Y*+	Top Load	4.60	183	2.65	1.26	110%	6,690	3.71	8/24/2011
Whirlpool	WTW8440Y*+	Top Load	4.60	183	2.65	1.26	110%	6,690	3.71	8/24/2011
Whirlpool	WTW8600Y*+	Top Load	4.60	183	2.65	1.26	110%	6,690	3.71	8/24/2011
Whirlpool	WTW8800Y*+	Top Load	4.60	183	2.65	1.26	110%	6,690	3.71	8/24/2011
white Mestonhouse	FRFW3700**	Front Load	3.23	77	2.64	1.26	110%	4,052	3.2	4/18/2011
white Mestonhouse	WWFW3700M**	Front Load	3.23	77	2.64	1.26	110%	4,052	3.2	4/18/2011

## Definitions for Clothes Washer product listing column headers

### Brand and Model

This is how a particular washer is identified. Retailers identify products they stock using the brand and model number. Some products may also be identified with a name or SKU, which is different from the brand or model number.

Model numbers often contain wildcard characters, such as \*, #, and X, that are placeholders for non-energy attributes, such as color.

### Type

Type refers to whether the product is a front-loading washer or a top-loading washer.

### Volume

This is the tub capacity of the clothes washer in cubic feet.

### KWH/Year

This is the estimated annual energy 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. Actual energy consumption will vary depending on the amount of laundry done, the size of the loads, and the temperature settings used.

This figure is calculated according to the Department of Energy test procedure, Code of Federal Regulations, Title 10, Section 430. It incorporates the estimated energy consumed by the washer and also the energy needed to heat the water with an electric water heater. Households with a gas water heater will use significantly fewer kilowatt hours but will consume gas to heat the same water.

### Modified Energy Factor

MEF is the official energy efficiency metric used to compare relative efficiencies of different clothes washers. MEF considers the energy used to run the washer, heat the water, and run the dryer. The higher the MEF, the more efficient the clothes washer.

ENERGY STAR qualified clothes washers must have a minimum MEF of 2.00. The minimum Federal standard requirement for clothes washers is an MEF of 1.26.

### Water Factor

WF is a measurement of water efficiency that is calculated as gallons of water used per cubic foot of capacity

So, if a clothes washer uses 30 gallons per cycle and has a tub volume of 3.0 cubic feet, then the water factor is 10.0. The lower the WF, the more efficient the clothes washer.

ENERGY STAR qualified clothes washers must have a maximum WF of 6.0. The minimum Federal standard requirement for clothes washers is a WF of 9.5.

### Annual Water Use (Gallons per year)

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. Actual water consumption will vary depending on the amount of laundry done.

## Clothes Washers Key Product Criteria

Equipment	Criteria
Clothes Washers	Minimum Modified Energy Factor (MEF) of 2.0 and a maximum Water Factor (WF) of 6.0.

The ENERGY STAR criteria for clothes washers changed on January 1, 2011. The new ENERGY STAR criteria require all qualified products to have a Modified Energy Factor (MEF) of 2.0 or greater as well as a Water Factor (WF) of 6.0 or lower.

Criteria/Product Type	Current Criteria Levels (as of January 1, 2011)
ENERGY STAR top and front loading	MEF $\geq$ 2.0 WF $\leq$ 6.0
Federal Standard top and front loading	MEF $\geq$ 1.26 WF $\leq$ 9.5

MEF = modified energy factor

WF = water factor (gallons per cycle per cubic foot)

### ENERGY STAR Qualified Clothes Washer Eligibility

Only front and top loader clothes washers with capacities of greater than 1.6 ft<sup>3</sup> are eligible to earn the ENERGY STAR.

### Energy Performance Metrics

Energy Factor (EF) is the previous energy performance metric for clothes washers. It is the quotient of the capacity of the clothes container, C, divided by the sum of the machine electrical energy for the mechanical action of a cycle, M, and the water heating energy required for a cycle, E. The equation is shown here:

$$EF = C / (M + E)$$

The water heating energy may be from a gas or electric water heater. The units are cubic feet per kWh per cycle, ft<sup>3</sup>/kWh/cycle. The higher the value, the more efficient the clothes washer is.

Modified Energy Factor, MEF, is the energy performance metric for ENERGY STAR qualified clothes washers and all clothes washers as of January 1, 2004. This metric has the same units as the energy factor (EF): 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 higher the value, the more efficient the clothes washer is. The equation is shown below:

$$MEF = C / (M + E + D)$$

Water Factor, WF, is the present water performance metric that allows the comparison of clothes washer water consumption independent of clothes washer capacity. Manufacturers must submit their water consumption factors with their ENERGY STAR qualified clothes washers.

WF is the quotient of the total weighted per-cycle water consumption, Q, divided by the capacity of the clothes washer, C. The lower the value, the more water efficient the clothes washer is. The equation is shown below:

$$WF = Q / C$$

The federal EnergyGuide label on clothes washers shows annual energy consumption and cost. These figures use the energy factor, average cycles per year, and the average cost of energy to make the energy and cost estimates. The Energy Factor, Modified Energy Factor, or Water Factor may not appear on the EnergyGuide label.