

**Residential Clothes Washers Qualified Product List**

**List Posted on January 03, 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)	Qualified Date
Amana	NFW7300W*+	Front Load	3.46	162	2.39	1.26	90%	5,425	4	12/30/10
Amana	NFW7600X*+	Front Load	3.86	177	2.35	1.26	87%	6,204	4.1	12/30/10
Ariston	ARWF149+#	Front Load	1.82	141.25	2.14	1.26	59%	3,933	5.51	2/7/11
Ariston	ARWL129+#	Front Load	1.82	104.89	2.16	1.26	58%	3,541	4.96	2/7/11
Ariston	ARWXF129+#	Front Load	1.82	104.89	2.16	1.26	58%	3,541	4.96	2/7/11
Ariston	ARXL129+#	Front Load	1.82	104.89	2.16	1.26	58%	3,541	4.96	2/7/11
Asko	W6324	Front Load	2.12	140	2.68	1.26	113%	2,741	3.3	12/30/10
Asko	W6424	Front Load	2.12	140	2.68	1.26	113%	2,741	3.3	12/30/10
Asko	W6884 ECO	Front Load	2.12	140	2.68	1.26	113%	2,741	3.3	12/30/10
Asko	W6984	Front Load	2.12	140	2.68	1.26	113%	2,741	3.3	12/30/10
Asko	WL6532XXLPP	Front Load	3.82	152	2.6	1.26	106%	5,690	3.8	9/23/11
Asko	WL6532XXLRR	Front Load	3.82	152	2.6	1.26	106%	5,690	3.8	9/23/11
Asko	WL6532XXLW	Front Load	3.82	152	2.6	1.26	106%	5,690	3.8	9/23/11
Asko	WL6532XXLWRH	Front Load	3.82	152	2.6	1.26	106%	5,690	3.8	9/23/11
Asko	WL6532XXLWS	Front Load	3.82	152	2.6	1.26	106%	5,690	3.8	9/23/11
Blomberg	WM 67121 NBL00	Front Load	1.88	142.37	2.25	1.26	78%	3,537	4.8	7/28/11
Blomberg	WM 87120 NBL00	Front Load	2.15	173	2.35	1.26	87%	3,540	4.2	7/28/11
Bosch	WAE20060UC	Front Load	1.91	125	2.05	1.26	63%	3,818	5.1	1/1/11
Bosch	WAS20160UC	Front Load	2.16	140	2.05	1.26	63%	4,064	4.8	1/1/11
Bosch	WAS24460UC	Front Load	2.16	145	2.12	1.26	68%	4,064	4.8	1/1/11
Bosch	WFVC33xxUC	Front Load	3.31	130	2.53	1.26	101%	4,282	3.3	1/1/11
Bosch	WFVC44xxUC	Front Load	3.31	120	2.52	1.26	100%	4,412	3.4	1/1/11
Bosch	WFVC54xxUC	Front Load	3.31	130	2.53	1.26	101%	4,282	3.3	1/1/11
Bosch	WFVC64xxUC	Front Load	3.31	130	2.53	1.26	101%	4,282	3.3	1/1/11
Bosch	WFVC84xxUC	Front Load	3.31	130	2.54	1.26	102%	4,282	3.3	1/1/11
Crosley	CAW12444X*+	Top Load	3.60	123	2.48	1.26	97%	5,123	3.63	6/14/11
Crosley	CFW4700**	Front Load	3.81	96	2.91	1.26	131%	5,377	3.6	3/17/11
Crosley	CFW7700**	Front Load	3.65	83	3.09	1.26	145%	4,722	3.3	3/3/11
Daewoo	DWD-WD13****	Front Load	3.82	152	2.6	1.26	106%	5,690	3.8	9/23/11
Daewoo	DWD-WD3011RR	Front Load	3.27	141	2.17	1.26	72%	4,102	3.2	9/21/11
Daewoo	DWD-WD3011WW	Front Load	3.27	141	2.17	1.26	72%	4,102	3.2	9/21/11
Daewoo	DWD-WD31WW	Front Load	3.75	142	2.32	1.26	84%	5,145	3.5	9/21/11
Daewoo	DWD-WD33RS	Front Load	3.78	128	2.43	1.26	89%	5,038	3.4	9/20/11
Daewoo	DWD-WD33WS	Front Load	3.78	128	2.43	1.26	89%	5,038	3.4	9/20/11
Elba	WA37T26EW2	Top Load	3.00	198	2.07	1.26	64%	7,056	6	2/16/11
Electrolux	EIFLS55**	Front Load	4.05	138	2.88	1.26	129%	5,557	3.5	3/3/11
Electrolux	EIFLS60**	Front Load	4.30	102	3.33	1.26	164%	4,720	2.8	3/3/11
Electrolux	EIFLW55**	Front Load	4.05	138	2.88	1.26	129%	5,557	3.5	3/3/11
Electrolux	EWFLS70**	Front Load	4.42	118	3.29	1.26	161%	4,851	2.8	3/3/11
Electrolux	EWFLW65H**	Front Load	4.05	256	2.31	1.26	162%	6,033	3.8	2/22/11
Electrolux	EWFLW65I**	Front Load	4.05	256	2.31	1.26	162%	6,033	3.8	2/22/11
Fisher & Paykel	GWL15	Top Load	3.00	198	2.07	1.26	64%	7,056	6	1/13/11
Fisher & Paykel	WA37T26GW2	Top Load	3.00	198	2.07	1.26	64%	7,056	6	1/13/11
Fisher & Paykel	WA42T26GW*	Top Load	3.00	198	2.07	1.26	64%	7,056	6	1/13/11
Fisher & Paykel	WL26CW1	Top Load	3.10	211	2	1.26	59%	7,291	6	1/13/11
Fisher & Paykel	WL26CW2	Top Load	3.10	199	2.15	1.26	71%	7,116	5.8	1/13/11
Fisher & Paykel	WL37T26C	Top Load	3.10	199	2.15	1.26	71%	7,048	5.8	1/13/11
Fisher & Paykel	WL37T26D	Top Load	3.10	199	2.15	1.26	71%	7,048	5.8	1/13/11
Fisher & Paykel	WL37T26*W2	Top Load	3.10	175	2.25	1.26	79%	5,225	4.3	1/13/11
Fisher & Paykel	WL37TD1	Top Load	3.10	199	2.15	1.26	71%	7,048	5.8	1/13/11
Fisher & Paykel	WL42T26***	Top Load	3.13	151	2.44	1.26	94%	4,761	3.88	1/13/11
Fisher & Paykel	WL42T26*W*	Top Load	3.10	198	2.25	1.26	79%	5,225	4.3	1/13/11
Frigidaire	FAFS4272**	Front Load	3.81	96	3.09	1.26	145%	4,929	3.3	3/4/11
Frigidaire	FAFS4473**	Front Load	3.81	104	2.96	1.26	135%	4,779	3.2	3/23/11
Frigidaire	FAFS4474**	Front Load	3.81	104	3.21	1.26	155%	4,331	2.9	3/4/11
Frigidaire	FAFW3001**	Front Load	3.26	99	2.86	1.26	12,700%	4,473	3.5	9/30/11
Frigidaire	FAFW3801**	Front Load	3.26	99	2.86	1.26	127%	4,473	3.5	8/15/11
Frigidaire	FAFW4011**	Front Load	3.65	83	2.91	1.26	131%	5,151	3.6	4/18/11
Frigidaire	FAFW4070**	Front Load	3.65	83	2.91	1.26	131%	5,151	3.6	4/18/11
Frigidaire	FAFW4221L**	Front Load	3.68	111	2.86	1.26	127%	4,905	3.4	3/21/11
Frigidaire	FRFW3700**	Front Load	3.23	77	2.64	1.26	110%	4,052	3.2	3/1/11
Frigidaire	FTF1240F**	Front Load	2.65	210	2	1.26	59%	5,610	5.4	2/22/11
Frigidaire	FTF2140F**	Front Load	3.00	202	2.01	1.26	60%	4,822	4.1	3/4/11
Frigidaire	FTF2140F**	Front Load	3.00	202	2.01	1.26	60%	4,822	4.1	2/22/11

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Frigidaire	FTF530**	Front Load	2.65	139	2.27	1.26	80%	5,506	5.3	3/4/11
Frigidaire	GLEH1642F**	Front Load	2.65	165	2.09	1.26	66%	5,402	5.2	2/22/11
Frigidaire	GLGH1642F**	Front Load	2.65	165	2.09	1.26	66%	5,402	5.2	2/22/11
Frigidaire	GLTF2940F**	Front Load	3.00	196	2.22	1.26	76%	4,939	4.2	3/4/11
Frigidaire	LAF8000**	Front Load	3.81	104	2.96	1.26	135%	4,779	3.2	3/23/11
Frigidaire	LAFW6000**	Front Load	3.68	111	2.86	1.26	127%	4,905	3.4	3/21/11
Frigidaire	LAFW7000**	Front Load	3.81	96	3.09	1.26	145%	4,929	3.3	3/4/11
Frigidaire	LAFW8000**	Front Load	3.81	104	2.96	1.26	135%	4,779	3.2	3/23/11
Frigidaire	LFAFW6000**	Front Load	3.68	111	2.86	1.26	127%	4,905	3.4	3/21/11
Frigidaire	WTF330**	Front Load	2.65	139	2.27	1.26	80%	5,506	5.3	3/4/11
GE	GCWN5050M**	Top Load	3.60	160	2.2	1.26	75%	6,350	4.5	12/30/10
GE	GFWH2400L***	Front Load	4.15	200	2.61	1.26	107%	6,338	3.9	5/4/11
GE	GFWH2405L***	Front Load	4.15	200	2.61	1.26	107%	6,338	3.9	5/4/11
GE	GFWN1000L*	Front Load	3.30	142	2.22	1.26	76%	5,304	4.1	2/7/11
GE	GFWN1100L***	Front Load	3.47	151	2.2	1.26	75%	5,438	4	5/4/11
GE	GFWS3500L***	Front Load	4.15	200	2.61	1.26	107%	6,338	3.9	5/4/11
GE	GFWS3505L***	Front Load	4.15	200	2.61	1.26	107%	6,338	3.9	5/4/11
GE	GLWN5050M**	Top Load	3.60	160	2.2	1.26	75%	6,350	4.5	12/30/10
GE	GRWN5150M**	Top Load	3.60	160	2.2	1.26	75%	6,350	4.5	12/30/10
GE	GTWN4250M**	Top Load	3.58	186	2.07	1.26	64%	8,420	6	12/30/10
GE	GTWN4450M**	Top Load	3.58	186	2.07	1.26	64%	8,420	6	12/30/10
GE	GTWN4950L**	Top Load	3.60	160	2.2	1.26	75%	6,350	4.5	12/30/10
GE	GTWN5050M**	Top Load	3.60	160	2.2	1.26	75%	6,350	4.5	12/30/10
GE	PTWN805#M#**	Top Load	4.48	263	2.21	1.26	75%	7,885	4.49	5/9/11
GE	WBVH5300K*	Front Load	3.50	131	2.32	1.26	84%	5,214	3.8	1/31/11
GE	WCVH6800J***	Front Load	3.47	144	2.2	1.26	75%	5,713	4.2	5/4/11
General Electric	WCVH4800****	Front Load	2.22	122	2.3	1.26	83%	3,742	4.3	12/30/10
General Electric	WCVH4815****	Front Load	2.22	122	2.3	1.26	83%	3,742	4.3	12/30/10
GE Profile	PFWS4600L***	Front Load	4.33	201	2.69	1.26	113%	6,614	3.9	5/4/11
GE Profile	PFWS4605L***	Front Load	4.33	201	2.69	1.26	113%	6,614	3.9	5/4/11
GE Profile	PTWN6050M**	Top Load	3.60	160	2.2	1.26	75%	6,350	4.5	12/30/10
GE Profile	PTWN6250M**	Top Load	3.60	160	2.2	1.26	75%	6,350	4.5	12/30/10
GE Profile	WPDH8800J*	Front Load	3.60	191	2.23	1.26	77%	5,786	4.1	1/31/11
GE Profile	WPDH8900J*	Front Load	3.60	191	2.23	1.26	77%	5,786	4.1	1/31/11
GE Profile	WPDH8910K*	Front Load	3.60	191	2.23	1.26	77%	5,786	4.1	1/31/11
GE Profile	WPRE6150K**	Top Load	3.57	199	2.02	1.26	60%	7,557	5.4	12/30/10
GE Profile	WPRE8150K**	Top Load	3.57	199	2.02	1.26	60%	7,557	5.4	12/30/10
Haier	GWT460AW	Top Load	3.16	200	2	1.26	59%	7,432	6	3/31/11
Haier	HWF5000**	Front Load	3.50	173	2.4	1.26	90%	5,351	3.9	9/30/11
Haier	HWF5000AW	Front Load	3.70	171	2.2	1.26	75%	6,962	4.8	12/30/10
Haier	HWF5300**	Front Load	3.50	173	2.42	1.26	92%	5,351	3.9	9/30/11
Haier	HWF5300AW	Front Load	3.70	173	2.4	1.26	90%	6,672	4.6	12/30/10
Inglis	IFW7300W*+	Front Load	3.46	162	2.39	1.26	90%	5,425	4	12/30/10
Kenmore	2125*10+	Top Load	3.35	150	2.04	1.26	62%	7,774	5.92	3/28/11
Kenmore	2130*	Top Load	3.60	123	2.48	1.26	97%	5,137	3.64	4/28/11
Kenmore	2135*10+	Top Load	3.35	150	2.04	1.26	62%	6,566	5	3/28/11
Kenmore	2139*	Top Load	3.60	123	2.48	1.26	97%	5,137	3.64	4/28/11
Kenmore	2600*10+	Top Load	3.60	123	2.45	1.26	94%	5,052	3.58	11/9/11
Kenmore	2601*10+	Top Load	3.60	123	2.45	1.26	94%	5,052	3.58	11/9/11
Kenmore	2800*10+	Top Load	3.60	123	2.45	1.26	94%	5,052	3.58	11/9/11
Kenmore	2801*10+	Top Load	3.60	123	2.45	1.26	94%	5,052	3.58	11/9/11
Kenmore	2806*80+	Top Load	4.08	252	2.23	1.26	77%	7,037	4.4	12/30/10
Kenmore	2807*80+	Top Load	4.08	252	2.23	1.26	77%	7,037	4.4	12/30/10
Kenmore	2808170*+	Top Load	4.08	259	2.26	1.26	79%	7,197	4.5	12/30/10
Kenmore	2808770*+	Top Load	4.08	259	2.26	1.26	79%	7,197	4.5	12/30/10
Kenmore	2809170*+	Top Load	4.08	259	2.26	1.26	79%	7,197	4.5	12/30/10
Kenmore	2809770*+	Top Load	4.08	259	2.26	1.26	79%	7,197	4.5	12/30/10
Kenmore	2900#00#	Top Load	4.32	273	2.41	1.26	91%	6,774	4	1/3/11
Kenmore	2927#00#	Top Load	4.48	250	2.41	1.26	91%	7,025	4	1/3/11
Kenmore	2947#00#	Top load	4.48	250	2.41	1.26	91%	7,025	4	3/3/11
Kenmore	402.4903*01*	Front Load	3.45	144	2.5	1.26	98%	4,463	3.3	12/30/10
Kenmore	4027#90#	Front Load	3.52	126	2.75	1.26	118%	4,967	3.6	1/3/11
Kenmore	4031#90#	Front Load	3.63	119	2.88	1.26	129%	4,838	3.4	1/3/11
Kenmore	4041**	Front Load	2.65	160	2.01	1.26	60%	5,921	5.7	4/18/11
Kenmore	4044#90#	Front Load	3.63	119	2.88	1.26	129%	4,838	3.4	1/3/11
Kenmore	4051#90#	Front Load	3.87	112	2.85	1.26	126%	5,158	3.4	1/3/11
Kenmore	4102#90#	Front Load	3.87	110	2.9	1.26	130%	5,158	3.4	1/3/11
Kenmore	4153#21#	Front Load	4.26	95	3.4	1.26	170%	4,843	2.9	5/9/11
Kenmore	4154#21#	Front Load	4.26	95	3.4	1.26	170%	4,676	2.8	5/9/11

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Kenmore	4172#00#	Front Load	4.17	108	2.99	1.26	137%	5,558	3.4	1/3/11
Kenmore	417.4110**	Front Load	4.34	104	3.15	1.26	150%	4,764	2.8	4/18/11
Kenmore	417.4413**	Front Load	4.40	109	3.15	1.26	150%	4,829	2.8	4/18/11
Kenmore	4650*70+	Front Load	2.99	165	2.22	1.26	76%	5,509	4.7	12/30/10
Kenmore	4651*70+	Front Load	2.99	165	2.22	1.26	76%	5,509	4.7	12/30/10
Kenmore	4674*70+	Front Load	3.51	140	2.38	1.26	89%	5,228	3.8	12/30/10
Kenmore	4674*80+	Front Load	3.51	133	2.28	1.26	81%	5,228	3.8	12/30/10
Kenmore	4675*70+	Front Load	3.51	140	2.38	1.26	89%	5,228	3.8	12/30/10
Kenmore	4708*60+	Front Load	3.51	202	2.36	1.26	87%	5,504	4	12/30/10
Kenmore	4709*60+	Front Load	3.51	202	2.36	1.26	87%	5,504	4	12/30/10
Kenmore	4751****	Front Load	3.18	150	2.58	1.26	105%	4,986	4	12/30/10
Kenmore	4753****	Front Load	3.18	150	2.58	1.26	105%	4,986	4	12/30/10
Kenmore	4754****	Front Load	3.18	150	2.58	1.26	105%	4,986	4	12/30/10
Kenmore	4756*70+	Front Load	3.26	145	2.6	1.26	106%	4,728	3.7	12/30/10
Kenmore	4757*70+	Front Load	3.26	145	2.6	1.26	106%	4,728	3.7	12/30/10
Kenmore	4758****	Front Load	3.26	145	2.6	1.26	106%	4,728	3.7	12/30/10
Kenmore	4770****	Front Load	3.79	136	2.64	1.26	110%	5,051	3.4	12/30/10
Kenmore	4771****	Front Load	3.79	136	2.64	1.26	110%	5,051	3.4	12/30/10
Kenmore	4775****	Front Load	3.79	136	2.64	1.26	110%	5,051	3.4	12/30/10
Kenmore	4776****	Front Load	3.79	136	2.64	1.26	110%	5,051	3.4	12/30/10
Kenmore	4778****	Front Load	3.51	151	2.59	1.26	106%	5,228	3.8	12/30/10
Kenmore	47781702	Front Load	3.51	132	2.46	1.26	95%	5,228	3.8	12/30/10
Kenmore	4778*80+	Front Load	3.79	136	2.64	1.26	110%	5,051	3.4	12/30/10
Kenmore	4779****	Front Load	3.51	151	2.59	1.26	106%	5,228	3.8	12/30/10
Kenmore	4779*80+	Front Load	3.79	136	2.64	1.26	110%	5,051	3.4	12/30/10
Kenmore	4785*60+	Front Load	3.51	187	2.22	1.26	76%	5,779	4.2	12/30/10
Kenmore	4788*60+	Front Load	3.51	187	2.22	1.26	76%	5,779	4.2	12/30/10
Kenmore	4789*60+	Front Load	3.51	187	2.22	1.26	76%	5,779	4.2	12/30/10
Kenmore	4996#60**	Front Load	3.51	187	2.22	1.26	76%	5,779	4.2	12/30/10
Kenmore	4997#60**	Front Load	3.51	187	2.22	1.26	76%	5,779	4.2	12/30/10
Kenmore	592-4900*	Front Load	3.86	138	2.58	1.26	105%	5,008	3.31	12/30/10
Kenmore	592-4903*	Front Load	3.45	144	2.5	1.26	98%	4,449	3.29	6/23/11
Kenmore	592-4904*	Front Load	3.43	165	2.41	1.26	91%	4,840	3.6	12/30/10
Kenmore	592-49042	Front Load	3.45	165	2.43	1.26	93%	4,760	3.52	8/16/11
Kenmore	592-4905*	Front Load	3.43	165	2.45	1.26	94%	4,840	3.6	12/30/10
Kenmore	592-4906*	Front Load	3.69	149	2.46	1.26	95%	4,773	3.3	12/30/10
Kenmore	592-4907*	Front Load	3.69	149	2.46	1.26	95%	4,773	3.3	12/30/10
Kenmore	592-4908*	Front Load	3.69	145	2.46	1.26	95%	4,773	3.3	12/30/10
Kenmore	592-4912*	Front Load	3.69	149	2.46	1.26	95%	4,773	3.3	9/28/11
Kenmore	592-4914*	Front Load	3.69	149	2.46	1.26	95%	4,773	3.3	9/28/11
Kenmore	592-4915*	Front Load	3.69	149	2.46	1.26	95%	4,773	3.3	9/28/11
Kenmore	592-4918*	Front Load	3.69	145	2.46	1.26	95%	4,773	3.3	9/28/11
LG	LSWF388H**	Front Load	4.17	108	2.99	1.26	137%	5,558	3.4	1/3/11
LG	WM1355H*	Front Load	2.34	108	2.4	1.26	90%	4,036	4.4	1/3/11
LG	WM2101H*	Front Load	3.52	160	2.21	1.26	75%	5,174	3.75	4/26/11
LG	WM2140C**	Front Load	3.47	97	2.99	1.26	137%	4,761	3.5	1/3/11
LG	WM2240C**	Front Load	3.69	110	2.74	1.26	117%	5,352	3.7	1/3/11
LG	WM2350H**	Front Load	3.69	102	2.8	1.26	122%	4,918	3.4	1/3/11
LG	WM2450H**	Front Load	3.69	105	3	1.26	138%	5,121	3.54	4/26/11
LG	WM2550H***	Front Load	3.69	105	3	1.26	138%	5,121	3.54	4/26/11
LG	WM3150H**	Front Load	4.26	95	3.4	1.26	170%	4,843	2.9	4/26/11
LG	WM3360H***	Front Load	3.87	100	3.14	1.26	149%	5,006	3.3	1/3/11
LG	WM3550H***	Front Load	4.26	95	3.4	1.26	170%	4,676	2.8	5/9/11
LG	WM3875H***	Front Load	4.17	108	2.99	1.26	137%	5,558	3.4	1/3/11
LG	WM3885H***	Front Load	4.17	108	2.99	1.26	137%	5,558	3.4	1/3/11
LG	WT4801C*	Top Load	3.73	175	2.41	1.26	91%	5,761	3.94	6/20/11
LG	WT5001C*	Top Load	4.48	250	2.41	1.26	91%	7,025	4	1/3/11
LG	WT5101H*	Top Load	4.48	250	2.41	1.26	91%	7,025	4	1/3/11
LG	WT6001H*	Top load	4.67	182	2.69	1.26	113%	6,590	3.6	10/27/11
Maytag	MHW6000X*+	Front Load	4.33	168	3	1.26	138%	4,549	2.68	11/9/11
Maytag	MHW7000X*+	Front Load	4.33	169	3	1.26	138%	4,719	2.78	4/28/11
Maytag	MHW9000Y*+	Front Load	4.33	160	3	1.26	138%	4,617	2.72	11/9/11
Maytag	MHWC7500Y*+	Front Load	1.97	151	2.08	1.26	65%	4,031	5.22	11/9/11
Maytag	MHWE200X*+	Front Load	3.46	161	2.35	1.26	87%	5,154	3.8	12/30/10
Maytag	MHWE201Y*+	Front Load	3.46	154	2.46	1.26	95%	5,005	3.69	3/28/11
Maytag	MHWE250X*+	Front Load	3.46	161	2.35	1.26	87%	5,154	3.8	12/30/10
Maytag	MHWE251Y*+	Front Load	3.46	154	2.46	1.26	95%	5,005	3.69	3/28/11
Maytag	MHWE300V*+	Front Load	3.47	160	2.18	1.26	73%	5,849	4.3	12/30/10
Maytag	MHWE300W#**	Front Load	3.51	161	2.31	1.26	83%	5,641	4.1	12/30/10

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)	Qualified Date
Maytag	MHWE301Y*+	Front Load	3.46	154	2.46	1.26	95%	5,005	3.69	3/28/11
Maytag	MHWE400W*+	Front Load	3.86	174	2.66	1.26	111%	4,600	3.04	4/28/11
Maytag	MHWE450W*+	Front Load	3.86	174	2.66	1.26	111%	4,600	3.04	4/28/11
Maytag	MHWE500V*+	Front Load	3.47	138	2.35	1.26	87%	5,169	3.8	12/30/10
Maytag	MHWE550W#**	Front Load	3.86	147	2.66	1.26	111%	5,447	3.6	12/30/10
Maytag	MHWE900V*+	Front Load	3.79	141	2.58	1.26	105%	5,348	3.6	12/30/10
Maytag	MHWE950W*+	Top Load	3.86	147	2.46	1.26	95%	4,449	2.94	4/28/11
Maytag	MHWZ400T*+	Front Load	3.46	139	2.45	1.26	94%	5,290	3.9	12/30/10
Maytag	MHWZ600T*+	Front Load	3.46	139	2.45	1.26	94%	5,290	3.9	12/30/10
Maytag	MHWZ600W*+	Front Load	3.46	139	2.45	1.26	94%	5,290	3.9	12/30/10
Maytag	MVWB300W*+	Top Load	3.95	257	2.28	1.26	81%	6,813	4.4	4/28/11
Maytag	MVWB400V*+	Top Load	4.08	252	2.23	1.26	77%	7,037	4.4	12/30/10
Maytag	MVWB450W*+	Top Load	3.95	258	2.22	1.26	76%	6,828	4.41	4/28/11
Maytag	MVWB455Y*+	Top Load	3.95	146	2.61	1.26	107%	5,017	3.24	3/28/11
Maytag	MVWB700V*+	Top Load	4.08	252	2.23	1.26	77%	7,037	4.4	12/30/10
Maytag	MVWB750W*+	Top Load	3.95	258	2.22	1.26	76%	6,828	4.41	4/28/11
Maytag	MVWB750Y*+	Top Load	4.60	190	2.61	1.26	107%	6,654	3.69	7/22/11
Maytag	MVWB755Y*+	Top Load	3.95	146	2.61	1.26	107%	5,017	3.24	3/9/11
Maytag	MVWB800V*+	Top Load	4.08	249	2.25	1.26	79%	7,197	4.5	12/30/10
Maytag	MVWB800Y*+	Top Load	4.60	190	2.61	1.26	107%	6,654	3.69	7/22/11
Maytag	MVWB850W*+	Top Load	3.95	258	2.22	1.26	76%	6,828	4.41	4/28/11
Maytag	MVWB850Y*+	Top Load	4.60	198	2.57	1.26	104%	6,996	3.88	7/8/11
Maytag	MVWB950Y*+	Top Load	4.60	198	2.57	1.26	104%	6,996	3.88	7/8/11
Maytag	MVWC300X*+	Top Load	3.35	144	2.02	1.26	60%	7,735	5.89	3/8/11
Maytag	MVWC400X*+	Top Load	3.60	123	2.48	1.26	97%	5,137	3.64	4/28/11
Maytag	MVWX500X*+	Top Load	3.60	122	2.46	1.26	95%	5,109	3.62	4/28/11
Maytag	MVWX550X*+	Top Load	3.60	122	2.46	1.26	95%	5,109	3.62	4/28/11
Maytag	MVWX600X*+	Top Load	3.60	122	2.46	1.26	95%	5,109	3.62	4/28/11
Maytag	MVWX700X*+	Top Load	3.60	122	2.46	1.26	95%	5,109	3.62	4/28/11
Miele	PW6065	Front Load	2.08	133	2.23	1.26	77%	3,718	4.56	1/7/11
Miele	W3033	Front Load	1.98	139	2.32	1.26	84%	3,431	4.42	1/7/11
Miele	W3035	Front Load	1.98	139	2.32	1.26	84%	3,431	4.42	1/7/11
Miele	W3039	Front Load	1.77	128	2.25	1.26	79%	3,060	4.41	1/7/11
Miele	W4802	Front Load	3.07	186	2.4	1.26	90%	5,103	4.24	1/7/11
Miele	W4842	Front Load	3.07	186	2.4	1.26	90%	5,103	4.24	1/7/11
Samsung	WA5451***	Top Load	4.65	247	2.41	1.26	91%	7,291	4	3/22/11
Samsung	WA5471***	Top Load	4.65	199	2.57	1.26	104%	6,927	3.8	3/10/11
Samsung	WF203***	Front Load	3.11	216	2.04	1.26	62%	4,876	4	12/30/10
Samsung	WF209***	Front Load	3.47	146	2.61	1.26	107%	5,169	3.8	12/30/10
Samsung	WF210***	Front Load	3.45	141	2.5	1.26	98%	4,463	3.3	12/30/10
Samsung	WF218***	Front Load	3.43	165	2.47	1.26	96%	4,437	3.3	12/30/10
Samsung	WF219***	Front Load	3.43	130	2.65	1.26	110%	4,303	3.2	12/30/10
Samsung	WF220***	Front Load	3.45	141	2.5	1.26	98%	4,463	3.3	12/30/10
Samsung	WF221***	Front Load	3.45	141	2.47	1.26	96%	4,476	3.31	7/14/11
Samsung	WF229***	Front Load	3.43	165	2.47	1.26	96%	4,437	3.3	12/30/10
Samsung	WF231***	Front Load	3.45	100	2.8	1.26	122%	4,328	3.2	5/9/11
Samsung	WF241***	Front Load	3.45	100	2.8	1.26	122%	4,328	3.2	7/6/11
Samsung	WF328***	Front Load	3.43	161	2.3	1.26	83%	4,975	3.7	12/30/10
Samsung	WF330***	Front Load	3.69	116	2.76	1.26	119%	4,484	3.1	12/30/10
Samsung	WF331***	Front Load	3.69	116	2.76	1.26	119%	4,484	3.1	3/24/11
Samsung	WF337***	Front Load	3.43	210	2.4	1.26	90%	4,840	3.6	12/30/10
Samsung	WF338***	Front Load	3.43	153	2.59	1.26	106%	4,840	3.6	12/30/10
Samsung	WF340***	Front Load	3.69	116	2.76	1.26	119%	4,484	3.1	12/30/10
Samsung	WF350***	Front Load	3.69	116	2.76	1.26	119%	4,484	3.1	12/30/10
Samsung	WF407***	Front Load	3.47	114	2.82	1.26	124%	4,353	3.2	12/30/10
Samsung	WF409***	Front Load	3.69	118	2.73	1.26	117%	4,499	3.11	3/24/11
Samsung	WF410***	Front Load	3.69	118	2.73	1.26	117%	4,484	3.1	12/30/10
Samsung	WF419***	Front Load	3.69	118	2.73	1.26	117%	4,484	3.1	12/30/10
Samsung	WF428***	Front Load	3.86	120	2.82	1.26	124%	4,842	3.2	12/30/10
Samsung	WF431***	Front Load	3.86	95	3.2	1.26	154%	4,524	2.99	7/14/11
Samsung	WF448***	Front Load	3.86	120	2.76	1.26	119%	4,842	3.2	12/30/10
Samsung	WF461***	Front Load	3.86	94	3.25	1.26	158%	4,388	2.9	7/14/11
Samsung	WF501***	Front Load	4.29	100	3.02	1.26	140%	5,415	3.22	6/23/11
Samsung	WF511***	Front Load	4.29	93	3.32	1.26	163%	4,877	2.9	7/14/11
Samsung	WF520***	Front Load	4.29	96	3.1	1.26	146%	4,877	2.9	7/14/11
Speed Queen	AFN50+	Front Load	2.84	184	2.04	1.26	62%	5,455	4.9	12/30/10
Speed Queen	AFN51+	Front Load	2.84	184	2.04	1.26	62%	5,455	4.9	12/30/10
Speed Queen	ATE50+	Front Load	2.84	184	2.04	1.26	62%	5,455	4.9	12/30/10
Speed Queen	ATG50+	Front Load	2.84	184	2.04	1.26	62%	5,455	4.9	12/30/10

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)	Qualified Date
Speed Queen	AWNA1+	Top Load	3.13	130	2.05	1.26	63%	7,116	5.8	10/7/11
Speed Queen	LWNA1+	Top Load	3.13	130	2.05	1.26	63%	7,116	5.8	1/18/11
Whirlpool	WCF750V*+	Front Load	1.97	151	2.08	1.26	65%	4,031	5.22	11/9/11
Whirlpool	WFC750V*+	Front Load	1.97	152	2.05	1.26	63%	4,479	5.8	12/30/10
Whirlpool	WFW8300S*+	Front Load	2.99	169	2.24	1.26	78%	5,274	4.5	12/30/10
Whirlpool	WFW8400T*+	Front Load	3.26	156	2.44	1.26	94%	5,112	4	12/30/10
Whirlpool	WFW8410S*+	Front Load	3.26	185	2.37	1.26	88%	5,751	4.5	12/30/10
Whirlpool	WFW9050X*	Front Load	3.46	125	2.55	1.26	102%	4,883	3.6	6/14/11
Whirlpool	WFW9150W#**	Front Load	3.46	139	2.45	1.26	94%	5,290	3.9	12/30/10
Whirlpool	WFW9151Y*+	Front Load	3.46	154	2.46	1.26	95%	5,005	3.69	3/28/11
Whirlpool	WFW9200S*+	Front Load	3.51	186	2.16	1.26	71%	5,641	4.1	12/30/10
Whirlpool	WFW9250W#**	Front Load	3.46	139	2.45	1.26	94%	5,290	3.9	12/30/10
Whirlpool	WFW9300V*+	Front Load	3.51	186	2.29	1.26	82%	5,366	3.9	12/30/10
Whirlpool	WFW9351Y*+	Front Load	3.46	154	2.46	1.26	95%	5,005	3.69	3/28/11
Whirlpool	WFW9400S*#**	Front Load	3.51	186	2.29	1.26	82%	5,366	3.9	12/30/10
Whirlpool	WFW9400V*+	Front Load	3.51	186	2.29	1.26	82%	5,366	3.9	12/30/10
Whirlpool	WFW9450W*+	Front Load	3.79	150	2.46	1.26	95%	5,646	3.8	12/30/10
Whirlpool	WFW9451X*	Front Load	3.90	169	2.4	1.26	90%	5,962	3.9	12/30/10
Whirlpool	WFW9470W#**	Front Load	3.86	177	2.35	1.26	87%	6,204	4.1	12/30/10
Whirlpool	WFW94HEX*+	Front Load	4.33	168	3	1.26	138%	4,209	2.48	11/9/11
Whirlpool	WFW9500T*+	Front Load	3.51	119	2.26	1.26	79%	4,953	3.6	12/30/10
Whirlpool	WFW9550W*+	Front Load	3.79	144	2.43	1.26	93%	5,096	3.43	6/14/11
Whirlpool	WFW95HEX*+	Front Load	4.33	169	3	1.26	138%	4,719	2.78	4/28/11
Whirlpool	WFW9600S*+	Front Load	3.51	186	2.29	1.26	82%	5,366	3.9	12/30/10
Whirlpool	WFW9600T*+	Front Load	3.51	122	2.42	1.26	92%	5,091	3.7	12/30/10
Whirlpool	WFW9640X*+	Front Load	3.86	136	2.65	1.26	110%	4,206	2.78	1/18/11
Whirlpool	WFW9700V*+	Front Load	3.79	144	2.41	1.26	91%	5,646	3.8	12/30/10
Whirlpool	WFW9750W*+	Front Load	3.86	149	2.52	1.26	100%	4,222	2.79	4/28/11
Whirlpool	WFW97HEX*+	Front Load	4.33	155	3	1.26	138%	4,804	2.83	11/9/11
Whirlpool	WTW4850X*+	Top Load	3.35	144	2.02	1.26	60%	7,735	5.89	3/8/11
Whirlpool	WTW4950X*+	Top Load	3.60	123	2.48	1.26	97%	5,137	3.64	4/28/11
Whirlpool	WTW5500X*+	Top Load	3.60	125	2.49	1.26	98%	5,518	3.91	4/28/11
Whirlpool	WTW5550X*+	Top Load	3.60	125	2.49	1.26	98%	5,518	3.91	6/14/11
Whirlpool	WTW5600X*+	Top Load	3.60	123	2.44	1.26	94%	5,419	3.84	4/28/11
Whirlpool	WTW5610X*+	Top Load	3.60	123	2.44	1.26	94%	5,419	3.84	4/28/11
Whirlpool	WTW5640X*+	Top Load	3.60	123	2.44	1.26	94%	5,419	3.84	4/28/11
Whirlpool	WTW5700X*+	Top Load	3.60	123	2.44	1.26	94%	5,419	3.84	4/28/11
Whirlpool	WTW6300W#**	Top load	4.08	264	2.22	1.26	76%	6,877	4.3	12/30/10
Whirlpool	WTW6340W*+	Top load	4.08	264	2.22	1.26	76%	6,877	4.3	12/30/10
Whirlpool	WTW6500V*+	Top Load	4.31	252	2.29	1.26	82%	7,096	4.2	12/30/10
Whirlpool	WTW6500W*+	Top Load	4.31	252	2.29	1.26	82%	7,096	4.2	12/30/10
Whirlpool	WTW6700T*+	Top Load	4.08	252	2.23	1.26	77%	7,037	4.4	12/30/10
Whirlpool	WTW6800W*+	Top Load	4.31	252	2.29	1.26	82%	7,096	4.2	12/30/10
Whirlpool	WTW7300X*+	Top Load	3.95	163	2.62	1.26	108%	5,497	3.55	4/28/11
Whirlpool	WTW7320Y*+	Top Load	3.95	163	2.63	1.26	109%	5,497	3.55	3/9/11
Whirlpool	WTW7340X*+	Top Load	3.95	191	2.48	1.26	97%	5,559	3.59	4/28/11
Whirlpool	WTW7600X*+	Top Load	3.95	191	2.48	1.26	97%	5,559	3.59	4/28/11
Whirlpool	WTW7800X*+	Top Load	3.95	191	2.48	1.26	97%	5,559	3.59	4/28/11
Whirlpool	WTW7990X*+	Top Load	3.95	205	2.44	1.26	94%	5,667	3.66	4/28/11
Whirlpool	WTW8200Y*+	Top Load	4.60	183	2.65	1.26	110%	6,690	3.71	8/24/11
Whirlpool	WTW8240Y*+	Top Load	4.60	183	2.65	1.26	110%	6,690	3.71	8/24/11
Whirlpool	WTW8400Y*+	Top Load	4.60	183	2.65	1.26	110%	6,690	3.71	8/24/11
Whirlpool	WTW8440Y*+	Top Load	4.60	183	2.65	1.26	110%	6,690	3.71	8/24/11
Whirlpool	WTW8600Y*+	Top Load	4.60	183	2.65	1.26	110%	6,690	3.71	8/24/11
Whirlpool	WTW8800Y*+	Top Load	4.60	183	2.65	1.26	110%	6,690	3.71	8/24/11
White Westinghouse	FRFW3700**	Front Load	3.23	77	2.64	1.26	110%	4,052	3.2	4/18/11
White Westinghouse	WWFW3700M**	Front Load	3.23	77	2.64	1.26	110%	4,052	3.2	4/18/11

## 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.