2008 WERS Certified Products Directory - NFRC

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NOTES

1. U_w is the whole window *U-value*
2. $SHGC_w$ is the whole window *solar heat gain coefficient*
3. T_{vw} is the whole window *visible (light) transmittance*
4. Percentage improvement figures are compared with using base-case Generic Window 1 (3mm clear in standard aluminium frame)
5. A negative percentage improvement figure indicates performance worse than the base-case window
6. A positive percentage improvement figure indicates performance better than the base-case window
7. Maximum air infiltration is 5.0L/s.m^2 at a positive pressure difference of 75 Pa as measured according to AS 2047
8. Static performance (U_w $SHGC_w$ T_{vw} T_{dw}) calculated using Window 5.2 and Therm 5.2 software (LBNL), 2000-2003
9. Annual energy performance (stars and % improvements) calculated using Nationwide House Energy Rating Software (AccuRate) according to procedures of WERS 2008.
10. Results disclosed at National Fenestration Rating Council (NFRC) regulations.

23-May-08

Avista Windows **Supplier of Architectural Window Systems**				%	%	**Total Window System Values - NFRC**			
Window ID	**Glazing**	**Cooling Stars**	**Heating Stars**			**Uw**	**SHGCw**	**Tvw**	**Air Inf.**
Series 502/504 Aluminium Sliding Window - Single Glazed									
AWS_001_01	3Clr	☆	★★☆	13%	16%	6.3	0.73	0.75	2.91
AWS_001_02	5Clr	☆	★★☆	13%	14%	6.4	0.72	0.75	2.91
AWS_001_03	5Gy	★☆	★☆	31%	6%	6.4	0.53	0.42	2.91
AWS_001_04	5EG	★★	★☆	33%	4%	6.4	0.50	0.62	2.91
AWS_001_05	6.38DLam	★	★★☆	17%	14%	6.3	0.68	0.75	2.91
AWS_001_06	6.38Sct	★★	★★★☆	35%	33%	4.6	0.58	0.69	2.91
AWS_001_07	6.38CP	★★★	★★★	46%	26%	4.6	0.44	0.50	2.91
Series 502/504 Aluminium Sliding Window - Double Glazed									
AWS_003_01	4/10/4	★★	★★★★	37%	37%	4.2	0.58	0.61	2.91
AWS_003_02	4Az/10/4EA	★★★★	★★★☆	59%	30%	3.7	0.32	0.47	2.91
AWS_003_03	4/10Ar/4EA	★★☆	★★★★☆	44%	45%	3.4	0.55	0.56	2.91
AWS_003_04	4/10/4EA	★★☆	★★★★☆	43%	42%	3.7	0.54	0.56	2.91
AWS_003_05	5/8/5	★★	★★★★	38%	35%	4.3	0.57	0.61	2.91
AWS_003_06	5EG/8Ar/5EA	★★★★	★★★☆	59%	31%	3.6	0.33	0.46	2.91
AWS_003_07	3EG/12/3	★★★☆	★★★☆	50%	29%	4.2	0.41	0.53	2.91
AWS_003_08	3/12Ar/3EA	★★☆	★★★★☆	43%	46%	3.4	0.56	0.57	2.91
Series 514 Aluminium Double Hung Window - Single Glazed									
AWS_005_01	3Clr	☆	★★☆	12%	20%	6.2	0.74	0.76	0.96
AWS_005_02	5Clr	☆	★★☆	15%	20%	6.2	0.71	0.75	0.96
AWS_005_03	5EG	★★	★★	35%	10%	6.2	0.50	0.62	0.96
AWS_005_04	5Gy	★★	★★	32%	12%	6.2	0.53	0.42	0.96
AWS_005_06	6.38Sct	★★	★★★★	37%	38%	4.3	0.58	0.69	0.96
AWS_005_07	6.38CP	★★★	★★★☆	48%	31%	4.3	0.44	0.50	0.96
Series 516 Aluminium Awining Window - Single Glazed									
AWS_007_01	3Clr	★	★★★☆	18%	31%	6.6	0.66	0.66	0.06
AWS_007_02	5Clr	★	★★★☆	21%	31%	6.6	0.64	0.65	0.06
AWS_007_03	5EG	★★	★★★	36%	23%	6.6	0.45	0.54	0.06
AWS_007_04	5Gy	★★	★★★	34%	24%	6.6	0.48	0.37	0.06
AWS_007_06	6.38Sct	★★	★★★★☆	38%	47%	5.0	0.53	0.60	0.06
AWS_007_07	6.38CP	★★★	★★★★	47%	41%	5.0	0.41	0.43	0.06
Series 516 Aluminium Awining Window - Double Glazed									
AWS_008_01	4/10/4	★★☆	★★★★★☆	40%	57%	4.3	0.55	0.56	0.06

AWS_008_02	4Az/10/4EA	★★★★	★★★★★	59%	50%	3.8	0.31	0.43	0.06
AWS_008_03	4/10Ar/4EA	★★★	★★★★★★	46%	64%	3.6	0.52	0.52	0.06
AWS_008_04	4/10/4EA	★★★	★★★★★★	45%	61%	3.8	0.51	0.52	0.06
AWS_008_05	5/8/5	★★☆	★★★★★☆	40%	55%	4.4	0.53	0.56	0.06
AWS_008_06	5EG/8Ar/5EA	★★★★	★★★★★	59%	51%	3.7	0.32	0.42	0.06
AWS_008_07	3EG/12/3	★★★☆	★★★★★	52%	49%	4.3	0.39	0.48	0.06
AWS_008_08	3/12Ar/3EA	★★★	★★★★★★	45%	65%	3.6	0.53	0.52	0.06
Series 517 Aluminium Awining Window - Single Glazed									
AWS_009_01	3Clr	★	★★★	16%	25%	7.1	0.66	0.66	0.06
AWS_009_02	5Clr	★	★★★	18%	25%	7.0	0.64	0.65	0.06
AWS_009_03	5EG	★★	★★☆	33%		7.0	0.46	0.54	0.06
AWS_009_04	5Gy	★★	★★☆	31%	18%	7.0	0.48	0.37	0.06
AWS_009_06	6.38Sct	★★	★★★★☆	35%	41%	5.5	0.53	0.60	0.06
AWS_009_07	6.38CP	★★☆	★★★★	44%	35%	5.5	0.41	0.43	0.06
Series 517 Aluminium Awining Window - Double Glazed									
AWS_010_01	4/10/4	★★	★★★★★	37%	52%	4.7	0.55	0.56	0.06
AWS_010_02	4Az/10/4EA	★★★★	★★★★☆	57%	45%	4.2	0.31	0.43	0.06
AWS_010_03	4/10Ar/4EA	★★☆	★★★★★☆	43%	59%	4.0	0.52	0.52	0.06
AWS_010_04	4/10/4EA	★★☆	★★★★★☆	43%	57%	4.2	0.52	0.52	0.06
AWS_010_05	5/8/5	★★	★★★★★	38%	50%	4.8	0.54	0.56	0.06
AWS_010_06	5EG/8Ar/5EA	★★★★	★★★★☆	57%	47%	4.1	0.32	0.43	0.06
AWS_010_07	3EG/12/3	★★★	★★★★☆	49%	44%	4.7	0.39	0.48	0.06
AWS_010_08	3/12Ar/3EA	★★☆	★★★★★☆	42%	60%	4.0	0.53	0.52	0.06
Series 541/542 Aluminium Sliding Door - Single Glazed									
AWS_011_01	5Clr	☆	★★☆	14%	18%	6.2	0.72	0.76	1.65
AWS_011_02	5EG	★★	★★	34%	8%	6.2	0.50	0.63	1.65
AWS_011_03	5Gy	★☆	★★	31%	10%	6.2	0.53	0.43	1.65
AWS_011_05	6.38Sct	★★	★★★★	36%	38%	4.3	0.59	0.70	1.65
AWS_011_06	6.38CP	★★★	★★★☆	47%	30%	4.3	0.44	0.51	1.65
Series 541/542 Aluminium Sliding Door - Double Glazed									
AWS_013_01	4/10/4	★★	★★★★☆	36%	42%	4.0	0.61	0.65	1.65
AWS_013_02	4Az/10/4EA	★★★★	★★★☆	59%	35%	3.4	0.33	0.50	1.65
AWS_013_03	4/10Ar/4EA	★★☆	★★★★★	43%	50%	3.2	0.57	0.59	1.65
AWS_013_04	4/10/4EA	★★☆	★★★★☆	42%	47%	3.4	0.57	0.59	1.65
AWS_013_05	5/8/5	★★	★★★★	37%	40%	4.1	0.59	0.64	1.65
AWS_013_06	5EG/8Ar/5EA	★★★★	★★★★	59%	36%	3.3	0.34	0.49	1.65
Series 548-BF Aluminium BiFold Door - Single Glazed									
AWS_016_01	5Clr	★☆	★★☆	29%	15%	6.1	0.57	0.58	0.8
AWS_016_02	5EG	★★☆	★☆	42%	6%	6.1	0.40	0.48	0.8
AWS_016_03	5Gy	★★☆	★★	40%	8%	6.1	0.43	0.33	0.8
AWS_016_05	6.38Sct	★★★	★★★☆	44%	30%	4.6	0.47	0.53	0.8
AWS_016_06	6.38CP	★★★☆	★★★	52%	23%	4.6	0.36	0.39	0.8
Series 548-BF Aluminium BiFold Door - Double Glazed									
AWS_017_01	4/10/4	★★☆	★★★☆	42%	35%	4.3	0.51	0.53	0.8
AWS_017_02	4Az/10/4EA	★★★★☆	★★★	60%	28%	3.8	0.29	0.40	0.8
AWS_017_03	4/10Ar/4EA	★★★	★★★★	48%	41%	3.6	0.48	0.48	0.8
AWS_017_04	4/10/4EA	★★★	★★★★	47%	39%	3.8	0.48	0.48	0.8
AWS_017_05	5/8/5	★★☆	★★★☆	43%	33%	4.4	0.50	0.52	0.8
AWS_017_06	5EG/8Ar/5EA	★★★★☆	★★★☆	60%	29%	3.7	0.29	0.40	0.8
Series 549-ED Aluminium Entry Door - Single Glazed									

AWS_018_01	5Clr	★☆	★★☆	31%	17%	5.9	0.56	0.58	0.8
AWS_018_02	5EG	★★☆	★★	44%	9%	5.9	0.39	0.48	0.8
AWS_018_03	5Gy	★★☆	★★	42%	10%	5.9	0.42	0.33	0.8
AWS_018_05	6.38Sct	★★★	★★★☆	46%	32%	4.4	0.46	0.53	0.8
AWS_018_06	6.38CP	★★★☆	★★★	54%	25%	4.4	0.35	0.39	0.8
Series 549-ED Aluminium Entry Door - Double Glazed									
AWS_019_01	4/10/4	★★★	★★★★	44%	37%	4.1	0.50	0.52	0.8
AWS_019_02	4Az/10/4EA	★★★★☆	★★★☆	62%	30%	3.6	0.28	0.40	0.8
AWS_019_03	4/10Ar/4EA	★★★	★★★★☆	50%	43%	3.4	0.47	0.48	0.8
AWS_019_04	4/10/4EA	★★★	★★★★	49%	41%	3.6	0.47	0.48	0.8
AWS_019_05	5/8/5	★★★	★★★★	45%	36%	4.2	0.49	0.52	0.8
AWS_019_06	5EG/8Ar/5EA	★★★★☆	★★★☆	62%	31%	3.5	0.28	0.40	0.8
Series 548-HD Aluminium Hinge Door - Single Glazed									
AWS_020_01	5Clr	★☆	★★☆	29%	16%	6.0	0.58	0.59	0.8
AWS_020_02	5EG	★★☆	★★	42%	7%	6.0	0.41	0.48	0.8
AWS_020_03	5Gy	★★☆	★★	40%	9%	6.0	0.43	0.33	0.8
AWS_020_04	6.38DLam	★☆	★★☆	31%	16%	5.9	0.55	0.59	0.8
AWS_020_05	6.38Sct	★★☆	★★★☆	44%	31%	4.5	0.47	0.54	0.8
Series 548-HD Aluminium Hinge Door - Double Glazed									
AWS_021_01	4/10/4	★★☆	★★★★	42%	36%	4.2	0.52	0.53	0.8
AWS_021_02	4Az/10/4EA	★★★★☆	★★★☆	60%	29%	3.8	0.30	0.41	0.8
AWS_021_03	4/10Ar/4EA	★★★	★★★★☆	48%	43%	3.6	0.49	0.49	0.8
AWS_021_04	4/10/4EA	★★★	★★★★	47%	40%	3.7	0.49	0.49	0.8
AWS_021_05	5/8/5	★★☆	★★★☆	43%	35%	4.3	0.51	0.53	0.8
AWS_021_06	5EG/8Ar/5EA	★★★★☆	★★★☆	60%	31%	3.7	0.30	0.40	0.8
Series 601/602-SW Magnum Aluminium Sliding Window - Single Glazed									
AWS_022_01	4Clr	★	★★	22%	11%	6.5	0.63	0.65	1.75
AWS_022_02	5Clr	★	★★	22%	12%	6.4	0.63	0.65	1.75
AWS_022_03	5Gy	★★	★☆	35%	4%	6.4	0.47	0.37	1.75
AWS_022_04	5EG	★★	★☆	38%	3%	6.4	0.44	0.53	1.75
AWS_022_05	6.38Sct	★★☆	★★★	40%	27%	4.8	0.51	0.59	1.75
AWS_022_06	6.38CP	★★★	★★☆	48%	21%	4.9	0.39	0.43	1.75
Series 616-AW Magnum Aluminium Awning Window - Single Glazed									
AWS_023_01	4Clr	★☆	★★★	26%	23%	6.9	0.56	0.55	0.12
AWS_023_02	5Clr	★☆	★★★☆	27%	26%	6.7	0.56	0.57	0.12
AWS_023_03	5Gy	★★	★★★	37%	19%	6.7	0.43	0.32	0.12
AWS_023_04	5EG	★★☆	★★★	39%	18%	6.7	0.40	0.47	0.12
AWS_023_05	6.38DLam	★☆	★★★	29%	26%	6.6	0.54	0.56	0.12
AWS_023_06	6.38Sct	★★☆	★★★★	41%	40%	5.4	0.47	0.52	0.12
Series 616-AW Magnum Aluminium Awning Window - Double Glazed									
AWS_023_08	4/10/4	★★☆	★★★★☆	41%	47%	4.9	0.49	0.49	0.12
AWS_023_09	4Az/10/4EA	★★★★	★★★★	58%	40%	4.5	0.28	0.38	0.12
AWS_023_10	4/10Ar/4EA	★★★	★★★★★	46%	53%	4.3	0.46	0.45	0.12
AWS_023_11	4/10/4EA	★★★	★★★★★	46%	51%	4.5	0.46	0.45	0.12
AWS_023_12	5/8/5	★★☆	★★★★☆	41%	45%	5.0	0.48	0.49	0.12
AWS_023_13	5EG/8Ar/5EA	★★★★	★★★★☆	58%	42%	4.4	0.29	0.37	0.12
Series 702-SM Slidemaster Aluminium Sliding Door - Single Glazed									
AWS_024_01	5Clr	★	★★☆	20%	17%	6.2	0.66	0.69	1.12
AWS_024_02	5EG	★★	★★	37%	7%	6.2	0.46	0.57	1.12
AWS_024_03	5Gy	★★	★★	35%	9%	6.2	0.49	0.39	1.12

AWS_024_04	6.38Sct	★★☆	★★★☆	40%	35%	4.4	0.54	0.63	1.12
AWS_024_05	6.38CP	★★★	★★★	49%	27%	4.5	0.41	0.46	1.12
Series 702-SM Slidemaster Aluminium Sliding Door - Double Glazed									
AWS_025_01	4/10/4	★★	★★★★	37%	41%	4.1	0.59	0.63	1.12
AWS_025_02	4Az/10/4EA	★★★★	★★★☆	59%	34%	3.5	0.33	0.48	1.12
AWS_025_03	4/10Ar/4EA	★★☆	★★★★★	44%	49%	3.3	0.56	0.58	1.12
AWS_025_04	4/10/4EA	★★☆	★★★★☆	43%	46%	3.5	0.55	0.58	1.12
AWS_025_05	5/8/5	★★	★★★★	38%	40%	4.1	0.58	0.62	1.12
AWS_025_06	5EG/8Ar/5EA	★★★★	★★★★	59%	35%	3.4	0.33	0.47	1.12
AWS_025_07	6/12/6	★★☆	★★★★	40%	41%	4.0	0.56	0.61	1.12
AWS_025_08	6EG/12/6	★★★★	★★★☆	57%	29%	4.0	0.32	0.45	1.12
AWS_025_09	6EG/12/6EA	★★★★☆	★★★☆	63%	33%	3.4	0.29	0.42	1.12
AWS_025_10	6/12/6EA	★★★	★★★★☆	45%	46%	3.4	0.53	0.57	1.12
Series 729 Thermal Heart - Thermally Broken Hinged Door									
AWS_034_01	4AZ/10/4EA	★★★★★	★★★★	67%	39%	2.8	0.27	0.38	0.64
AWS_034_02	4Clr/10Ar4EA	★★★★	★★★★★	55%	50%	2.7	0.44	0.45	0.64
AWS_034_03	4Clr/10/4Clr	★★★☆	★★★★☆	50%	44%	3.3	0.47	0.49	0.64
AWS_034_04	4Clr/10/4EA	★★★☆	★★★★★	55%	48%	2.8	0.44	0.45	0.64
AWS_034_05	5Clr/8/5Clr	★★★☆	★★★★☆	51%	43%	3.4	0.46	0.49	0.64
AWS_034_06	5EG/8Ar/5EA	★★★★★	★★★★	67%	39%	2.8	0.27	0.37	0.64
AWS_034_07	6Clr/12/6Clr	★★★☆	★★★★☆	52%	44%	3.3	0.45	0.48	0.64
AWS_034_08	6EG/12/6Clr	★★★★★	★★★☆	65%	33%	3.3	0.26	0.36	0.64
AWS_034_09	6/12/6EA	★★★★	★★★★★	56%	48%	2.8	0.43	0.45	0.64
AWS_034_10	6EG/12/6EA	★★★★★☆	★★★★	69%	36%	2.8	0.23	0.33	0.64
Series 729 Thermal Heart - Thermally Broken Awning/Casement Window									
AWS_035_01	4Clr/10/4Clr	★★★	★★★★★☆	49%	61%	3.6	0.47	0.49	0.73
AWS_035_02	4Az/10/4EA	★★★★★	★★★★★	65%	54%	3.1	0.26	0.37	0.73
AWS_035_03	4/10Ar/4EA	★★★☆	★★★★★★	54%	67%	2.9	0.44	0.45	0.73
AWS_035_04	4/10/4EA	★★★☆	★★★★★★	54%	65%	3.1	0.44	0.45	0.73
AWS_035_05	5/8/5	★★★	★★★★★☆	50%	60%	3.6	0.46	0.48	0.73
AWS_035_06	5EG/8Ar/5EA	★★★★★	★★★★★☆	65%	55%	3.1	0.27	0.37	0.73
AWS_035_07	3EG/12/3	★★★★	★★★★★	59%	54%	3.5	0.33	0.42	0.73
AWS_035_08	3/12Ar/3EA	★★★☆	★★★★★★☆	53%	67%	2.9	0.45	0.45	0.73
AWS_035_09	6/12/6	★★★☆	★★★★★☆	51%	61%	3.5	0.45	0.48	0.73
AWS_035_10	6EG/12/6	★★★★☆	★★★★★	64%	50%	3.5	0.26	0.35	0.73
AWS_035_11	6/12/6EA	★★★☆	★★★★★★	55%	64%	3.1	0.43	0.44	0.73
AWS_035_12	6EG/12/6EA	★★★★★	★★★★★	68%	53%	3.1	0.23	0.33	0.73