

Jason Energy & Acoustic Data: **Awning Windows**

The energy data below is from the Window Energy Rating Scheme WERS. The acoustic data has been simulated based on the methods and procedures set out in AS/1191:2002 (R2016) Method for Laboratory measurement of Airborne Sound transmission insulation of building elements and AS/NZS ISO 717.1:2004 Acoustics -Rating of sound insulation in buildings and of building elements Airborne sound insulation.

Last Updated: June 5 2023

NT: Not Tested

Glass Code	Glazing Description	Thermal Data		Acoustic Data			
		U Value	SHGC	Rw	C	Ctr	Rw+Ctr
Jason Residential Awning Window - Single Glazed - PA11							
CL4	Clear 4mm	6.7	0.63	28	-2	-3	25
CL5	Clear 5mm	6.6	0.62	29	-1	-2	27
GY5	Grey 5mm	6.6	0.47	29	-1	-2	27
LC6	Clear Laminate 6.38mm	6.6	0.61	32	-1	-3	29
LG6	Grey Laminate 6.38mm	6.5	0.48	32	-1	-3	29
CSC4	SmartGlass SP10 Clear - Polaris 4mm	4.9	0.57	28	-2	-3	25
CSC6	SmartGlass SP10 Clear - Polaris 6mm	4.9	0.53	31	-2	-3	28
CSN4	SmartGlass SP30 Neutral - Panoramic 4mm	5	0.41	28	-2	-3	25
CSN6	SmartGlass SP30 Neutral - Panoramic 6mm	4.9	0.29	31	-2	-3	28
CS35G6	Smart glass SP35 Grey 6mm	4.9	0.41	31	-2	-3	28
LCP6	Comfort Plus Neutral 6.38mm	5.2	0.4	32	-1	-3	29
LGP6	Comfort Plus Grey 6.38mm	4.6	0.38	32	-1	-3	29
SN4	Sunergy Neutral 4mm	5.5	0.46	28	-2	-3	25
SN6	Sunergy Neutral 6mm	5.5	0.45	31	-2	-3	28
LSN6	Sunergy Neutral 6.38mm	5.4	0.44	32	-1	-3	29
LSNG6	Sunergy Grey 6.38mm	5.4	0.34	32	-1	-3	29
6.52	V-Lam Hush 6.52mm	NT	NT	35	-1	-4	31
Jason Residential Awning Window - Double Glazed - PAU11							
CL4/16AR/CL4	Clear 4mm / Argon Gap 16 / Clear 4mm	4.4	0.55	26	-1	-4	22
CL5/14AR/CL5	Clear 5mm / Argon Gap 14 / Clear 5mm	4.4	0.53	29	-1	-3	26
CL5/12AR/LG6	Clear 5mm / Argon Gap 12 / Grey Laminate 6.38mm	4.4	0.47	NT	NT	NT	NT
CL5/12AR/LCOP7	Clear 5mm / Argon Gap 12 / VLamHush 6.5mm	4.4	0.52	NT	NT	NT	NT
CL5/12AR/LO6-TRAN	Clear 5mm / Argon Gap 12 / WTransLam 6.38mm	4.4	0.49	NT	NT	NT	NT
GY5/14AR/CL5	Grey 5mm / Argon Gap 14 / Clear 5mm	4.4	0.37	29	-1	-3	26
GY5/12AR/LC6	Grey 5mm / Argon Gap 12 / Clear Laminate 6.38mm	4.4	0.37	NT	NT	NT	NT

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		U Value	SHGC	Rw	C	Ctr	Rw+Ctr
GY5/12AR/LG6	Grey 5mm / Argon Gap 12 / Grey Laminate 6.38mm	4.4	0.34	NT	NT	NT	NT
GY5/12AR/LCOP7	Grey 5mm / Argon Gap 12 / VLamHush 6.5mm	4.4	0.36	NT	NT	NT	NT
LC6/12AR/LG6	Clear Laminate 6.38mm / Argon Gap 12 / Grey Laminate 6.38mm	4.4	0.45	NT	NT	NT	NT
LCOP7/10AR/LC6	VLamHush 6.5mm / Argon Gap 10 / Clear Laminate 6.38mm	4.4	0.49	NT	NT	NT	NT
CSC4/16AR/CL4	SP10 4mm / Argon Gap 16 / Clear 4mm	3.8	0.48	NT	NT	NT	NT
CSC4/14AR/CL5	SP10 4mm / Argon Gap 14 / Clear 5mm	3.8	0.47	NT	NT	NT	NT
CSC4/12AR/LC6	SP10 4mm / Argon Gap 12 / Clear Laminate 6.38mm	3.8	0.47	NT	NT	NT	NT
CSC6/12AR/CL5	SP10 6mm / Argon Gap 12 / Clear 5mm	3.8	0.46	NT	NT	NT	NT
CSC6/10AR/LC6	SP10 6mm Clear / Argon Gap 10 / Clear Laminate 6.38mm	3.9	0.45	NT	NT	NT	NT
CSN4/14AR/CL5	SP30 Neutral 4mml / Argon Gap 14 / Clear 5mm	3.9	0.35	NT	NT	NT	NT
CSN4/12AR/LC6	SP30 Neutral 4mml / Argon Gap 12 / Clear Laminate 6.38mm	3.8	0.34	NT	NT	NT	NT
CSN6/12AR/CL5	SP30 Neutral 6mml / Argon Gap 12 / Clear 5mm	3.8	0.34	NT	NT	NT	NT
CSN6/10AR/LC6	SP30 Neutral 6mm / Argon Gap 10 / Clear Laminate 6.38mm	3.9	0.34	NT	NT	NT	NT
CS35G6/12AR/CL5	SP35 6mm / Argon Gap 12 / Clear 5mm	3.9	0.3	NT	NT	NT	NT
CS35G6/12AR/LC6	SP35 6mm Grey / Argon Gap 12 / Clear Laminate 6.38mm	3.8	0.3	NT	NT	NT	NT
LCPC6/12AR/CL5	Comfort Plus Clear 6.38mm / Argon Gap 12 / Clear 5mm	3.8	0.45	33	-2	-5	28
LCP6/12AR/CL5	Comfort Plus Neutral 6.38mm / Argon Gap 12 / Clear 5mm	3.8	0.33	33	-2	-5	28
LGP6/12AR/CL5	Comfort Plus Grey 6.38mm / Argon Gap 12 / Clear 5mm	3.8	0.32	33	-2	-5	28
SNC5/14AR/CL5	Panibel G 5mm (SUNGERGY CLEAR) / Argon Gap 14 / Clear 5mm	3.9	0.47	29	-1	-3	26
SNC5/12AR/LC6	Panibel G 5mm (SUNGERGY CLEAR) / Argon Gap 12 / Clear Laminate 6.38mm	3.9	0.46	NT	NT	NT	NT
SN5/14AR/CL5	Sunergy Neutral 5mm / Argon Gap 14 / Clear 5mm	4.1	0.3	29	-1	-3	26
SN5/12AR/LC6	Sunergy Neutral 5mm / Argon Gap 12 / Clear Laminate 6.38mm	4.1	0.3	NT	NT	NT	NT
SNG6/12AR/CL5	Sunergy Grey 6mm / Argon Gap 12 / Clear 5mm	4.0	0.26	NT	NT	NT	NT
SNG6/10AR/LC6	Sunergy Grey 6mm / Argon Gap 10 / Clear Laminate 6.38mm	4.0	0.26	NT	NT	NT	NT
LSN6/12AR/CL5	Sunergy Neutral 6.38mm / Argon Gap 12 / Clear 5mm	4.0	0.37	33	-2	-5	28
LSG6/12AR/CL5	Sunergy Grey 6.38mm / Argon Gap 12 / Clear 5mm	4.0	0.27	NT	NT	NT	NT
LO6-TRAN/6AR/CL5	WTransLam 6.38mm / Argon Gap 6 / Clear 5mm	4.7	0.42	33	-2	-5	28

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Last Updated: June 5 2023

NT: Not Tested

Glass Code	Glazing Description	Thermal Data		Acoustic Data			
		U Value	SHGC	Rw	C	Ctr	Rw+Ctr
4/16/4	4mm /Air 16 / 4mm	NT	NT	26	-1	-4	22
5/14/5	5mm /Air 14/ 5mm	NT	NT	29	-1	-3	26
6/14/6	6mm /Air 14 / 6mm	NT	NT	30	-1	-4	26
6.38/14/4	6.38mm / 14 air / 4mm	NT	NT	32	-1	-4	28
6.38/14/5	6.38mm /14 Air / 5mm	NT	NT	33	-2	-5	28
6.52/14/4	6.52mm / 14 Air / 4mm	NT	NT	34	-1	-5	29
6.52/12/6.38	6.52mm / 12 Air / 6.38mm	NT	NT	35	-1	-5	30
6.38/12/6.52	6.38mm / 12mm / 6.52mm	NT	NT	35	-1	-5	30
Jason Residential Single Awning Window - Over Low Lite, Single Glazed - PN21							
CL4	Clear 4mm	6.7	0.63	27	-1	-2	25
CL5	Clear 5mm	6.6	0.62	28	0	-1	27
GY5	Grey 5mm	6.6	0.47	28	0	-1	27
LC6	Clear Laminate 6.38mm	6.6	0.61	31	NT	-2	29
LG6	Grey Laminate 6.38mm	6.5	0.48	31	NT	-2	29
CSC4	SmartGlass SP10 Clear - Polaris 4mm	4.9	0.57	27	-1	-2	25
CSC6	SmartGlass SP10 Clear - Polaris 6mm	4.9	0.53	30	-1	-2	28
CSN4	SmartGlass SP30 Neutral - Panoramic 4mm	5	0.41	27	-1	-2	25
CSN6	SmartGlass SP30 Neutral - Panoramic 6mm	4.9	0.29	30	-1	-2	28
CS35G6	Smart Glass SP35 Grey 6mm	4.9	0.41	30	-1	-2	28
LGP6	Comfort Plus Grey 6.38mm	4.6	0.38	31	0	-2	29
LCP6	Comfort Plus Neutral 6.38mm	5.2	0.4	31	0	-2	29
SN4	Sunergy Neutral 4mm	5.5	0.46	27	-1	-2	25
SN6	Sunergy Neutral 6mm	5.5	0.45	30	-1	-2	28
LSN6	Sunergy Neutral 6.38mm	5.4	0.44	31	NT	-2	29
LSNG6	Sunergy Grey 6.38mm	5.4	0.34	31	NT	-2	29
6.52	V-Lam Hush 6.52mm	NT	NT	34	NT	-3	31

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		U Valve	SHGC	Rw	C	Ctr	Rw+Ctr
Jason Residential Single Awning Window - Over Low-Lite, Double Glazed - PNU21							
4/16/4	4mm / Air 16 / 4mm	NT	NT	25	-1	-3	22
5/14/5	5mm / Air 14 / 5mm	NT	NT	28	-1	-2	26
6/14/6	6mm / Air 14 / 6mm	NT	NT	29	-1	-3	26
6.38/14/4	Laminate 6.38mm / Air 14 / 4mm	NT	NT	31	-1	-3	28
6.38/14/5	Laminate 6.38mm / Air 14 / 5mm	NT	NT	32	-2	-4	28
6/38/12/6.52	Laminate 6.38mm / Air 12 / V-Lam Hush 6.52mm	NT	NT	34	-1	-4	30
6.52/14/4	V-Lam Hush 6.52mm / Air 14 / 4mm	NT	NT	33	-1	-4	29
6.52/12/6.38	V-Lam Hush 6.52mm / Air 12 / Lam 6.38mm	NT	NT	34	-1	-4	30
Jason Residential Awning Window - 6 Panel, 2 Opening Panels Combo, Single Glazed - PN6EE							
CL4	Clear 4mm	6.7	0.63	28	NT	-3	25
CL5	Clear 5mm	6.6	0.62	29	NT	-3	26
GY5	Grey 5mm	6.6	0.47	NT	NT	NT	NT
LC6	Clear Laminate 6.38mm	6.6	0.61	30	NT	-3	27
LG6	Grey Laminate 6.38mm	6.5	0.48	30	NT	-3	27
CSC4	SmartGlass SP10 Clear - Polaris 4mm	4.9	0.57	NT	NT	NT	NT
CSC6	SmartGlass SP10 Clear - Polaris 6mm	4.9	0.53	29	NT	-3	26
CSN4	SmartGlass SP30 Neutral - Panoramic 4mm	5	0.41	NT	NT	NT	NT
CSN6	SmartGlass SP30 Neutral - Panoramic 6mm	4.9	0.29	29	NT	-3	26
CS35G6	Smart Glass SP35 Grey 6mm	4.9	0.41	NT	NT	NT	NT
LGP6	Comfort Plus Grey 6.38mm	4.6	0.38	30	NT	-3	27
LCP6	Comfort Plus Neutral 6.38mm	5.2	0.4	30	NT	-3	27
SN4	Sunergy Neutral 4mm	5.5	0.46	NT	NT	NT	NT
SN6	Sunergy Neutral 6mm	5.5	0.45	29	NT	-3	26
LSN6	Sunergy Neutral 6.38mm	5.4	0.44	30	NT	-3	27
LSNG6	Sunergy Grey 6.38mm	5.4	0.34	30	NT	-3	27

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		U Value	SHGC	Rw	C	Ctr	Rw+Ctr
6.52	V-Lam Hush 6.52mm	NT	NT	32	0	-3	29
6	6mm	NT	NT	29	NT	-3	26
Jason Benchmark Single Awning Window - Single Glazed - BA11							
CL4	Clear 4mm	6.7	0.6	28	-1	-2	26
CL5	Clear 5mm	6.7	0.6	29	0	-1	28
GY5	Grey 5mm	6.7	0.45	29	0	-1	28
LC6	Clear Laminate 6.38mm	6.6	0.58	32	0	-2	30
LG6	Grey Laminate 6.38mm	6.6	0.46	32	0	-2	30
CSC4	SmartGlass SP10 Clear - Polaris 4mm	5.1	0.54	28	-1	-2	26
CSC6	SmartGlass SP10 Clear - Polaris 6mm	5.1	0.51	31	-1	-2	29
CSN4	SmartGlass SP30 Neutral - Panoramic 4mm	5.1	0.4	28	-1	-2	26
CSN6	SmartGlass SP30 Neutral - Panoramic 6mm	5.1	0.28	31	-1	-2	29
CS35G6	Smart Glass SP35 Grey 6mm	5	0.4	31	-1	-2	29
LGP6	Comfort Plus Grey 6.38mm	5	0.37	32	0	-2	30
LCP6	Comfort Plus Neutral 6.38mm	5.3	0.38	32	0	-2	30
SN4	Sunergy Neutral 4mm	5.6	0.45	28	-1	-2	26
SN6	Sunergy Neutral 6mm	5.5	0.44	31	-1	-2	29
LSN6	Sunergy Neutral 6.38mm	5.5	0.43	32	0	-2	30
LSNG6	Sunergy Grey 6.38mm	5.5	0.33	32	0	-2	30
6.52	V-Lam Hush 6.52mm	NT	NT	35	0	-3	32
10.52	V-Lam Hush 10.52mm	NT	NT	38	0	-2	36
10	10mm annealed/toughened	NT	NT	32	-1	-2	30
Jason Benchmark Awning Window - Double Glazed - BAU11							
CL4/6AR/CSC4	Clear 4mm / Argon Gap 6mm / Smart Glass SP10 4mm	4.1	0.51	NT	NT	NT	NT
Jason Benchmark Single Awning Window - Over Low-Lite Single Glazed - BN21							
CL4	Clear 4mm	6.7	0.6	30	NT	-3	27

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		U Value	SHGC	Rw	C	Ctr	Rw+Ctr
CL5	Clear 5mm	6.7	0.6	31	NT	-3	28
GY5	Grey 5mm	6.7	0.45	NT	NT	NT	NT
LC6	Clear Laminate 6.38mm	6.6	0.58	32	-1	-2	30
LG6	Grey Laminate 6.38mm	6.6	0.46	32	-1	-2	30
CSC4	SmartGlass SP10 Clear - Polaris 4mm	5.1	0.54	NT	NT	NT	NT
CSC6	SmartGlass SP10 Clear - Polaris 6mm	5.1	0.51	31	NT	-3	28
CSN4	SmartGlass SP30 Neutral - Panoramic 4mm	5.1	0.4	NT	NT	NT	NT
CSN6	SmartGlass SP30 Neutral - Panoramic 6mm	5.1	0.28	31	NT	-3	28
CS35G6	Smart Glass SP35 Grey 6mm	5	0.4	31	NT	-3	28
LGP6	Comfort Plus Grey 6.38mm	5	0.37	32	-1	-2	30
LCP6	Comfort Plus Neutral 6.38mm	5.3	0.38	32	-1	-2	30
SN4	Sunergy Neutral 4mm	5.6	0.45	NT	NT	NT	NT
SN6	Sunergy Neutral 6mm	5.5	0.44	NT	NT	NT	NT
LSN6	Sunergy Neutral 6.38mm	5.5	0.43	32	-1	-2	30
LSNG6	Sunergy Grey 6.38mm	5.5	0.33	32	-1	-2	30
	10.38 Laminate 10.38mm	NT	NT	35	-2	-3	32
	6.52 Acoustic LCOP7 6.52mm	NT	NT	34	NT	-3	31
	6 6mm Annealed/toughened	NT	NT	31	NT	-3	28