

BERKELEY LAB WINDOW v7.8.10.0

Name: DH: Double Clear Vinyl
EnvCond: 1 NFRC 100-2010

Type: Vertical Slider
Tilt: 90
Width: 47.2 [inches]
Height: 59.1 [inches]
Area: 19.38 [ft2]

U-value: 0.456 [Btu/h-ft2-F]
SHGC: 0.598
Vt: 0.619
CR: N/A

Data for Glazing Systems

ID	Name	COG Area ft2	#Lay	Tilt	Uc Btu/h-ft2	SCc	SHGCc	Vtc	RHG
2	Double Clear	5.21	2	90	0.474	0.877	0.763	0.814	182
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Layer Data for Glazing System '2 Double Clear'

ID	Name	D(")	Tsol	1 Rsol	2 Tvis	1 Rvis	2 Tir	1 Emis	2 Keff
Outside									
102	CLEAR_3.DAT	#0.120	.834	.075	.075	.899	.083	.083	.000
1	Air	0.500							.039
102	CLEAR_3.DAT	#0.120	.834	.075	.075	.899	.083	.083	.000
Inside									

Frame Data

Location	ID	Name	Source	Frame Area ft2	Edge Area ft2	Uframe Btu/h-ft2-F	Uedge
Header	4	Vinyl	ASHRAE/LBL	0.850	0.681	0.2994	0.5813
Upper Left Jamb	4	Vinyl	ASHRAE/LBL	0.538	0.419	0.2994	0.5813
Upper Right Jamb	4	Vinyl	ASHRAE/LBL	0.538	0.419	0.2994	0.5813
Mullion	4	Vinyl	ASHRAE/LBL	0.797	1.276	0.2994	0.5813
Lower Left Jamb	4	Vinyl	ASHRAE/LBL	0.538	0.419	0.2994	0.5813
Lower Right Jamb	4	Vinyl	ASHRAE/LBL	0.538	0.419	0.2994	0.5813
Sill	4	Vinyl	ASHRAE/LBL	0.850	0.681	0.2994	0.5813

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Gas Data

ID	Name	Type	Cond	Visc	Cp	Dens	Pran
x e-6							
1	Air	Pure	0.0139	11.57	0.24	0.0807	0.7197

Environmental Conditions: 1 NFRC 100-2010

	Tout (F)	Tin (F)	WndSpd (mph)	Wnd Dir	Solar (Btu/h-ft2)	Tsky (F)	Esky (F)
Uvalue	-0.4	69.8	12.30	Windward	0.0	-0.4	1.00
Solar	89.6	75.2	6.15	Windward	248.2	89.6	1.00

Frame Library Data

ID	Name	Source	U-value Frame	U-value Edge	Edge GlzSys Corr	GlzSys Width	GlzSys Uc	Width (PFD)	Abs
4	Vinyl	ASHRAE/LBL	0.2994	N/A	1	N/A	N/A	2.75	0.90

Divider Library Data

ID	Name	Source	U-value Div	U-value Edge	Edge GlzSys Corr	GlzSys Width	GlzSys Uc	Width (PFD)	Abs
No Dividers for this Glazing System									

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Optical Properties for Glazing System '2 Double Clear'

Angle	0	10	20	30	40	50	60	70	80	90	Hemis
Tvis :	0.814	0.814	0.813	0.809	0.797	0.766	0.693	0.537	0.273	0.000	0.712
Rfvis :	0.150	0.150	0.150	0.153	0.164	0.193	0.264	0.418	0.682	1.000	0.238
Rbvis :	0.150	0.150	0.150	0.153	0.164	0.193	0.264	0.418	0.682	1.000	0.238
Tsol :	0.703	0.702	0.699	0.692	0.678	0.646	0.577	0.438	0.208	0.000	0.601
Rfsol :	0.128	0.128	0.128	0.130	0.139	0.164	0.227	0.365	0.612	1.000	0.206
Rbsol :	0.128	0.128	0.128	0.130	0.139	0.164	0.227	0.365	0.612	1.000	0.206
Abs1 :	0.096	0.097	0.099	0.102	0.106	0.112	0.119	0.127	0.130	0.000	0.110
Abs2 :	0.072	0.073	0.074	0.075	0.077	0.078	0.077	0.070	0.050	0.000	0.073
SHGCc :	0.763	0.762	0.760	0.755	0.742	0.711	0.643	0.501	0.259	0.000	0.663

Tdw-K : 0.598
Tdw-ISO: 0.738
Tuv : 0.564

Temperature Distribution (degrees F)

	Winter		Summer	
	Out	In	Out	In
Lay1	6.1	6.6	95.1	95.3
Lay2	42.5	43.1	92.0	91.8