



# Casement Dimensions

Unit Size		Rough Opening		Glass Size			Clear Opening Standard Hardware				Clear Opening w/Egress Hardware*				Daylight Opening			Clear Opening with Sash Removed		
W	H	W	H	W	H	Sq. Ft.	W	H	Sq. Ft.	Egress	W	H	Sq. Ft.	Egress	W	H	Sq. Ft.	W	H	Sq. Ft.
16	32	16.5	32.5	11.625	27.625	2.230	6.125	27.625	1.175	-	10.313	27.625	1.978	-	10.750	26.750	1.997	12.438	27.625	2.390
16	36	16.5	36.5	11.625	31.625	2.553	6.125	31.625	1.345	-	10.313	31.625	2.265	-	10.750	30.750	2.296	12.438	31.625	2.730
16	40	16.5	40.5	11.625	35.625	2.876	6.125	35.625	1.515	-	10.313	35.625	2.551	-	10.750	34.750	2.594	12.438	35.625	3.080
16	48	16.5	48.5	11.625	43.625	3.522	6.125	43.625	1.856	-	10.313	43.625	3.124	-	10.750	42.750	3.191	12.438	43.625	3.770
16	52	16.5	52.5	11.625	47.625	3.845	6.125	47.625	2.026	-	10.313	47.625	3.411	-	10.750	46.750	3.490	12.438	47.625	4.110
16	59	16.5	59.5	11.625	54.625	4.410	6.125	54.625	2.323	-	10.313	54.625	3.912	-	10.750	53.750	4.013	12.438	54.625	4.720
16	64	16.5	64.5	11.625	59.625	4.813	6.125	59.625	2.536	-	10.313	59.625	4.270	-	10.750	58.750	4.386	12.438	59.625	5.150
16	72	16.5	72.5	11.625	67.625	5.459	6.125	67.625	2.876	-	10.313	67.625	4.843	-	10.750	66.750	4.983	12.438	67.625	5.840
16	78	16.5	78.5	11.625	73.625	5.944	6.125	73.625	3.132	-	10.313	73.625	5.273	-	10.750	72.750	5.431	12.438	73.625	6.360
20	32	20.5	32.5	15.625	27.625	2.998	10.125	27.625	1.942	-	14.313	27.625	2.746	-	14.750	26.750	2.740	16.438	27.625	3.150
20	36	20.5	36.5	15.625	31.625	3.432	10.125	31.625	2.224	-	14.313	31.625	3.143	-	14.750	30.750	3.150	16.438	31.625	3.610
20	40	20.5	40.5	15.625	35.625	3.866	10.125	35.625	2.505	-	14.313	35.625	3.541	-	14.750	34.750	3.559	16.438	35.625	4.070
20	48	20.5	48.5	15.625	43.625	4.734	10.125	43.625	3.067	-	14.313	43.625	4.336	-	14.750	42.750	4.379	16.438	43.625	4.980
20	52	20.5	52.5	15.625	47.625	5.168	10.125	47.625	3.349	-	14.313	47.625	4.734	-	14.750	46.750	4.789	16.438	47.625	5.440
20	59	20.5	59.5	15.625	54.625	5.927	10.125	54.625	3.841	-	14.313	54.625	5.429	-	14.750	53.750	5.506	16.438	54.625	6.240
20	64	20.5	64.5	15.625	59.625	6.470	10.125	59.625	4.192	-	14.313	59.625	5.926	-	14.750	58.750	6.018	16.438	59.625	6.810
20	72	20.5	72.5	15.625	67.625	7.338	10.125	67.625	4.755	-	14.313	67.625	6.721	-	14.750	66.750	6.837	16.438	67.625	7.720
20	78	20.5	78.5	15.625	73.625	7.989	10.125	73.625	5.177	-	14.313	73.625	7.318	-	14.750	72.750	7.452	16.438	73.625	8.400
24	32	24.5	32.5	19.625	27.625	3.765	14.125	27.625	2.710	-	18.313	27.625	3.513	-	18.750	26.750	3.483	20.438	27.625	3.920
24	36	24.5	36.5	19.625	31.625	4.310	14.125	31.625	3.102	-	18.313	31.625	4.022	-	18.750	30.750	4.004	20.438	31.625	4.490
24	40	24.5	40.5	19.625	35.625	4.855	14.125	35.625	3.494	-	18.313	35.625	4.530	-	18.750	34.750	4.525	20.438	35.625	5.060
24	48	24.5	48.5	19.625	43.625	5.945	14.125	43.625	4.279	-	18.313	43.625	5.548	-	18.750	42.750	5.566	20.438	43.625	6.190
24	52	24.5	52.5	19.625	47.625	6.491	14.125	47.625	4.672	-	18.313	47.625	6.056	-	18.750	46.750	6.087	20.438	47.625	6.760
24	59	24.5	59.5	19.625	54.625	7.445	14.125	54.625	5.358	-	18.313	54.625	6.947	-	18.750	53.750	6.999	20.438	54.625	7.750
24	64	24.5	64.5	19.625	59.625	8.126	14.125	59.625	5.849	-	18.313	59.625	7.583	-	18.750	58.750	7.650	20.438	59.625	8.460
24	72	24.5	72.5	19.625	67.625	9.216	14.125	67.625	6.633	-	18.313	67.625	8.600	-	18.750	66.750	8.691	20.438	67.625	9.600
24	78	24.5	78.5	19.625	73.625	10.034	14.125	73.625	7.222	-	18.313	73.625	9.363	-	18.750	72.750	9.473	20.438	73.625	10.450
28	32	28.5	32.5	23.625	27.625	4.532	18.125	27.625	3.477	-	22.313	27.625	4.280	-	22.750	26.750	4.226	24.438	27.625	4.690
28	36	28.5	36.5	23.625	31.625	5.188	18.125	31.625	3.981	-	22.313	31.625	4.900	-	22.750	30.750	4.858	24.438	31.625	5.370
28	40	28.5	40.5	23.625	35.625	5.845	18.125	35.625	4.484	-	22.313	35.625	5.520	E1	22.750	34.750	5.490	24.438	35.625	6.050
28	48	28.5	48.5	23.625	43.625	7.157	18.125	43.625	5.491	-	22.313	43.625	6.760	E2	22.750	42.750	6.754	24.438	43.625	7.400
28	52	28.5	52.5	23.625	47.625	7.813	18.125	47.625	5.994	-	22.313	47.625	7.379	E2	22.750	46.750	7.386	24.438	47.625	8.080
28	59	28.5	59.5	23.625	54.625	8.962	18.125	54.625	6.876	-	22.313	54.625	8.464	E2	22.750	53.750	8.492	24.438	54.625	9.270
28	64	28.5	64.5	23.625	59.625	9.782	18.125	59.625	7.505	-	22.313	59.625	9.239	E2	22.750	58.750	9.282	24.438	59.625	10.120
28	72	28.5	72.5	23.625	67.625	11.095	18.125	67.625	8.512	-	22.313	67.625	10.478	E2	22.750	66.750	10.546	24.438	67.625	11.480
28	78	28.5	78.5	23.625	73.625	12.079	18.125	73.625	9.267	-	22.313	73.625	11.408	E2	22.750	72.750	11.493	24.438	73.625	12.490
30	32	30.5	32.5	25.625	27.625	4.916	20.125	27.625	3.861	-	24.313	27.625	4.664	-	24.750	26.750	4.598	26.438	27.625	5.070
30	36	30.5	36.5	25.625	31.625	5.628	20.125	31.625	4.420	-	24.313	31.625	5.339	E1	24.750	30.750	5.285	26.438	31.625	5.810
30	40	30.5	40.5	25.625	35.625	6.340	20.125	35.625	4.979	-	24.313	35.625	6.015	E2	24.750	34.750	5.973	26.438	35.625	6.540
30	48	30.5	48.5	25.625	43.625	7.763	20.125	43.625	6.097	E2	24.313	43.625	7.366	E2	24.750	42.750	7.348	26.438	43.625	8.010
30	52	30.5	52.5	25.625	47.625	8.475	20.125	47.625	6.656	E2	24.313	47.625	8.041	E2	24.750	46.750	8.035	26.438	47.625	8.740
30	59	30.5	59.5	25.625	54.625	9.721	20.125	54.625	7.634	E2	24.313	54.625	9.223	E2	24.750	53.750	9.238	26.438	54.625	10.030
30	64	30.5	64.5	25.625	59.625	10.610	20.125	59.625	8.333	E2	24.313	59.625	10.067	E2	24.750	58.750	10.098	26.438	59.625	10.950
30	72	30.5	72.5	25.625	67.625	12.034	20.125	67.625	9.451	E2	24.313	67.625	11.418	E2	24.750	66.750	11.473	26.438	67.625	12.420
30	78	30.5	78.5	25.625	73.625	13.102	20.125	73.625	10.290	E2	24.313	73.625	12.431	E2	24.750	72.750	12.504	26.438	73.625	13.520
32	32	32.5	32.5	27.625	27.625	5.300	22.125	27.625	4.244	-	26.313	27.625	5.048	E1	26.750	26.750	4.969	28.438	27.625	5.460
32	36	32.5	36.5	27.625	31.625	6.067	22.125	31.625	4.859	-	26.313	31.625	5.779	E2	26.750	30.750	5.712	28.438	31.625	6.250
32	40	32.5	40.5	27.625	35.625	6.834	22.125	35.625	5.474	E1	26.313	35.625	6.510	E2	26.750	34.750	6.455	28.438	35.625	7.040
32	48	32.5	48.5	27.625	43.625	8.369	22.125	43.625	6.703	E2	26.313	43.625	7.971	E2	26.750	42.750	7.941	28.438	43.625	8.620
32	52	32.5	52.5	27.625	47.625	9.136	22.125	47.625	7.317	E2	26.313	47.625	8.702	E2	26.750	46.750	8.684	28.438	47.625	9.410
32	59	32.5	59.5	27.625	54.625	10.479	22.125	54.625	8.393	E2	26.313	54.625	9.981	E2	26.750	53.750	9.985	28.438	54.625	10.790
32	64	32.5	64.5	27.625	59.625	11.438	22.125	59.625	9.161	E2	26.313	59.625	10.895	E2	26.750	58.750	10.914	28.438	59.625	11.770
32	72	32.5	72.5	27.625	67.625	12.973	22.125	67.625	10.390	E2	26.313	67.625	12.357	E2	26.750	66.750	12.400	28.438	67.625	13.350
32	78	32.5	78.5	27.625	73.625	14.124	22.125	73.625	11.312	E2	26.313	73.625	13.453	E2	26.750	72.750	13.514	28.438	73.625	14.540
36	36	36.5	36.5	31.625	31.625	6.945	26.125	31.625	5.738	E2	30.313	31.625	6.657	E2	30.750	30.750	6.566	32.438	31.625	7.120
36	40	36.5	40.5	31.625	35.625	7.824	26.125	35.625	6.463	E2	30.313	35.625	7.499	E2	30.750	34.750	7.421	32.438	35.625	8.020
36	48	36.5	48.5	31.625	43.625	9.581	26.125	43.625	7.915	E2	30.313	43.625	9.183	E2	30.750	42.750	9.129	32.438	43.625	9.830
36	52	36.5	52.5	31.6																