

# ENERGY STAR Ratings - 7100 Horizon

## Hung

GLAZING	GRILLES	ENERGY STAR ZONE	AIR RATING	ENERGY RATING	U-VALUE (Metric)	U-VALUE (Imperial)	SHGC	VT	9.36 CODE ZONES
HS1									
	None	1 2	0.14	32	1.7	0.3	0.52	0.6	4 5 6 7A 7B 8
	Under 1" SDL	1 2	0.14	30	1.7	0.3	0.47	0.53	4 5 6 7A 7B 8
	1" SDL And Over	1	0.14	27	1.7	0.3	0.42	0.47	4 5 6 7A
	Under 1" Grille	1 2	0.14	30	1.7	0.3	0.47	0.53	4 5 6 7A 7B 8
	1" Grille And Over	1	0.14	27	1.7	0.3	0.42	0.47	4 5 6 7A
HS1V									
	None	1 2 3	0.14	36	1.42	0.25	0.48	0.59	4 5 6 7A 7B 8
	Under 1" SDL	1 2	0.14	33	1.42	0.25	0.43	0.52	4 5 6 7A 7B 8
	1" SDL And Over	1 2	0.14	30	1.42	0.25	0.38	0.46	4 5 6 7A 7B 8
	Under 1" Grille	1 2	0.14	33	1.42	0.25	0.43	0.52	4 5 6 7A 7B 8
	1" Grille And Over	1 2	0.14	30	1.42	0.25	0.38	0.46	4 5 6 7A 7B 8
HS4									
	None	No/non	0.14	20	1.65	0.29	0.28	0.53	4 5
	Under 1" SDL	No/non	0.14	18	1.65	0.29	0.25	0.47	4 5
	1" SDL And Over	No/non	0.14	17	1.65	0.29	0.23	0.42	4 5
	Under 1" Grille	No/non	0.14	18	1.65	0.29	0.25	0.47	4 5
	1" Grille And Over	No/non	0.14	17	1.65	0.29	0.23	0.42	4 5
HS4V									
	None	1 2	0.14	25	1.42	0.25	0.28	0.52	4 5 6 7A
	Under 1" SDL	1 2	0.14	23	1.42	0.25	0.25	0.46	4 5 6 7A
	1" SDL And Over	1 2	0.14	21	1.42	0.25	0.22	0.41	4 5 6 7A
	Under 1" Grille	1 2	0.14	23	1.42	0.25	0.25	0.46	4 5 6 7A
	1" Grille And Over	1 2	0.14	21	1.42	0.25	0.22	0.41	4 5 6 7A
HS2									
	None	1 2 3	0.14	38	1.31	0.23	0.47	0.55	4 5 6 7A 7B 8
	Under 1" SDL	1 2 3	0.14	35	1.31	0.23	0.42	0.49	4 5 6 7A 7B 8
	1" SDL And Over	1 2	0.14	33	1.31	0.23	0.38	0.43	4 5 6 7A 7B 8
	Under 1" Grille	1 2 3	0.14	35	1.31	0.23	0.42	0.49	4 5 6 7A 7B 8
	1" Grille And Over	1 2	0.14	33	1.31	0.23	0.38	0.43	4 5 6 7A 7B 8


**Legend:**

Standards: U-Values = NFRC 100-1;

SHGC (Solar Heat Gain Coefficient) / VT (Visible Transmittance) = NFRC 200-1

# ENERGY STAR Ratings - 7100 Horizon

## Hung Con't.

GLAZING	GRILLES	ENERGY STAR ZONE	AIR RATING	ENERGY RATING	U-VALUE (Metric)	U-VALUE (Imperial)	SHGC	VT	9.36 CODE ZONES
<b>HS3</b>									
	None	1 2 3	0.14	41	1.08	0.19	0.43	0.53	4 5 6 7A 7B 8
	Under 1" SDL	1 2 3	0.14	38	1.08	0.19	0.38	0.47	4 5 6 7A 7B 8
	1" SDL And Over	1 2 3	0.14	36	1.08	0.19	0.34	0.42	4 5 6 7A 7B 8
	Under 1" Grille	1 2 3	0.14	38	1.08	0.19	0.38	0.47	4 5 6 7A 7B 8
	1" Grille And Over	1 2 3	0.14	36	1.08	0.19	0.34	0.42	4 5 6 7A 7B 8
<b>HS5</b>									
	None	1 2	0.14	26	1.31	0.23	0.26	0.49	4 5 6 7A 7B 8
	Under 1" SDL	1 2	0.14	25	1.31	0.23	0.24	0.43	4 5 6 7A 7B 8
	1" SDL And Over	1 2	0.14	23	1.31	0.23	0.21	0.38	4 5 6 7A 7B 8
	Under 1" Grille	1 2	0.14	25	1.31	0.23	0.24	0.43	4 5 6 7A 7B 8
	1" Grille And Over	1 2	0.14	23	1.31	0.23	0.21	0.38	4 5 6 7A 7B 8
<b>HS6</b>									
	None	1 2 3	0.14	30	1.08	0.19	0.24	0.41	4 5 6 7A 7B 8
	Under 1" SDL	1 2 3	0.14	29	1.08	0.19	0.22	0.37	4 5 6 7A 7B 8
	1" SDL And Over	1 2 3	0.14	27	1.08	0.19	0.19	0.33	4 5 6 7A 7B 8
	Under 1" Grille	1 2 3	0.14	29	1.08	0.19	0.22	0.37	4 5 6 7A 7B 8
	1" Grille And Over	1 2 3	0.14	27	1.08	0.19	0.19	0.33	4 5 6 7A 7B 8
<b>Triple</b>									
	None	1 2	0.14	30	1.87	0.33	0.54	0.57	4 5 6 7A 7B 8
	Under 1" SDL	1	0.14	26	1.87	0.33	0.48	0.51	4 5 6 7A
	1" SDL And Over	No/non	0.14	23	1.87	0.33	0.43	0.45	4 5
	Under 1" Grille	1	0.14	26	1.87	0.33	0.48	0.51	4 5 6 7A
	1" Grille And Over	No/non	0.14	23	1.87	0.33	0.43	0.45	4 5


**Legend:**

Standards: U-Values = NFRC 100-1;

SHGC (Solar Heat Gain Coefficient) / VT (Visible Transmittance) = NFRC 200-1

# ENERGY STAR Ratings - 7100 Horizon

## Picture

GLAZING	GRILLES	ENERGY STAR ZONE	AIR RATING	ENERGY RATING	U-VALUE (Metric)	U-VALUE (Imperial)	SHGC	VT	9.36 CODE ZONES
<b>HS1</b>									
	None	1 2 3	0.07	37	1.59	0.28	0.56	0.65	4 5 6 7A 7B 8
	Under 1" SDL	1 2 3	0.07	34	1.59	0.28	0.51	0.58	4 5 6 7A 7B 8
	1" SDL And Over	1 2	0.07	31	1.59	0.28	0.45	0.51	4 5 6 7A 7B 8
	Under 1" Grille	1 2 3	0.07	34	1.59	0.28	0.51	0.58	4 5 6 7A 7B 8
	1" Grille And Over	1 2	0.07	31	1.59	0.28	0.45	0.51	4 5 6 7A 7B 8
<b>HS1V</b>									
	None	1 2 3	0.07	41	1.31	0.23	0.51	0.63	4 5 6 7A 7B 8
	Under 1" SDL	1 2 3	0.07	38	1.31	0.23	0.46	0.57	4 5 6 7A 7B 8
	1" SDL And Over	1 2 3	0.07	35	1.31	0.23	0.41	0.5	4 5 6 7A 7B 8
	Under 1" Grille	1 2 3	0.07	38	1.31	0.23	0.46	0.57	4 5 6 7A 7B 8
	1" Grille And Over	1 2 3	0.07	35	1.31	0.23	0.41	0.5	4 5 6 7A 7B 8
<b>HS4</b>									
	None	1	0.07	24	1.53	0.27	0.3	0.57	4 5 6 7A
	Under 1" SDL	1	0.07	22	1.53	0.27	0.28	0.51	4 5 6 7A
	1" SDL And Over	1	0.07	21	1.53	0.27	0.25	0.46	4 5 6 7A
	Under 1" Grille	1	0.07	22	1.53	0.27	0.28	0.51	4 5 6 7A
	1" Grille And Over	1	0.07	21	1.53	0.27	0.25	0.46	4 5 6 7A
<b>HS4V</b>									
	None	1 2	0.07	30	1.25	0.22	0.3	0.56	4 5 6 7A 7B 8
	Under 1" SDL	1 2	0.07	28	1.25	0.22	0.27	0.5	4 5 6 7A 7B 8
	1" SDL And Over	1 2	0.07	26	1.25	0.22	0.24	0.44	4 5 6 7A 7B 8
	Under 1" Grille	1 2	0.07	28	1.25	0.22	0.27	0.5	4 5 6 7A 7B 8
	1" Grille And Over	1 2	0.07	26	1.25	0.22	0.24	0.44	4 5 6 7A 7B 8
<b>HS2</b>									
	None	1 2 3	0.07	43	1.19	0.21	0.51	0.59	4 5 6 7A 7B 8
	Under 1" SDL	1 2 3	0.07	40	1.19	0.21	0.46	0.53	4 5 6 7A 7B 8
	1" SDL And Over	1 2 3	0.07	37	1.19	0.21	0.41	0.47	4 5 6 7A 7B 8
	Under 1" Grille	1 2 3	0.07	40	1.19	0.21	0.46	0.53	4 5 6 7A 7B 8
	1" Grille And Over	1 2 3	0.07	37	1.19	0.21	0.41	0.47	4 5 6 7A 7B 8

### Legend:

Standards: U-Values = NFRC 100-1;

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# ENERGY STAR Ratings - 7100 Horizon

## Picture Con't.

GLAZING	GRILLES	ENERGY STAR ZONE	AIR RATING	ENERGY RATING	U-VALUE (Metric)	U-VALUE (Imperial)	SHGC	VT	9.36 CODE ZONES
HS3									
	None	1 2 3	0.07	45	0.97	0.17	0.46	0.57	4 5 6 7A 7B 8
	Under 1" SDL	1 2 3	0.07	43	0.97	0.17	0.42	0.51	4 5 6 7A 7B 8
	1" SDL And Over	1 2 3	0.07	40	0.97	0.17	0.37	0.45	4 5 6 7A 7B 8
	Under 1" Grille	1 2 3	0.07	43	0.97	0.17	0.42	0.51	4 5 6 7A 7B 8
	1" Grille And Over	1 2 3	0.07	40	0.97	0.17	0.37	0.45	4 5 6 7A 7B 8
HS5									
	None	1 2 3	0.07	30	1.19	0.21	0.28	0.52	4 5 6 7A 7B 8
	Under 1" SDL	1 2 3	0.07	28	1.19	0.21	0.25	0.47	4 5 6 7A 7B 8
	1" SDL And Over	1 2 3	0.07	27	1.19	0.21	0.23	0.42	4 5 6 7A 7B 8
	Under 1" Grille	1 2 3	0.07	28	1.19	0.21	0.25	0.47	4 5 6 7A 7B 8
	1" Grille And Over	1 2 3	0.07	27	1.19	0.21	0.23	0.42	4 5 6 7A 7B 8
HS6									
	None	1 2 3	0.07	35	0.91	0.16	0.26	0.45	4 5 6 7A 7B 8
	Under 1" SDL	1 2 3	0.07	33	0.91	0.16	0.23	0.4	4 5 6 7A 7B 8
	1" SDL And Over	1 2 3	0.07	32	0.91	0.16	0.21	0.35	4 5 6 7A 7B 8
	Under 1" Grille	1 2 3	0.07	33	0.91	0.16	0.23	0.4	4 5 6 7A 7B 8
	1" Grille And Over	1 2 3	0.07	32	0.91	0.16	0.21	0.35	4 5 6 7A 7B 8
Triple									
	None	1 2 3	0.07	35	1.76	0.31	0.58	0.62	4 5 6 7A 7B 8
	Under 1" SDL	1 2	0.07	31	1.76	0.31	0.52	0.55	4 5 6 7A 7B 8
	1" SDL And Over	1	0.07	28	1.76	0.31	0.46	0.49	4 5 6 7A
	Under 1" Grille	1 2	0.07	31	1.76	0.31	0.52	0.55	4 5 6 7A 7B 8
	1" Grille And Over	1	0.07	28	1.76	0.31	0.46	0.49	4 5 6 7A


**Legend:**

Standards: U-Values = NFRC 100-1;

SHGC (Solar Heat Gain Coefficient) / VT (Visible Transmittance) = NFRC 200-1

# ENERGY STAR Ratings - 7100 Horizon

## Slider

GLAZING	GRILLES	ENERGY STAR ZONE	AIR RATING	ENERGY RATING	U-VALUE (Metric)	U-VALUE (Imperial)	SHGC	VT	9.36 CODE ZONES
HS1									
	None	1 2	0.22	32	1.7	0.3	0.52	0.6	4 5 6 7A 7B 8
	Under 1" SDL	1 2	0.22	30	1.7	0.3	0.47	0.53	4 5 6 7A 7B 8
	1" SDL And Over	1	0.22	27	1.7	0.3	0.42	0.47	4 5 6 7A
	Under 1" Grille	1 2	0.22	30	1.7	0.3	0.47	0.53	4 5 6 7A 7B 8
	1" Grille And Over	1	0.22	27	1.7	0.3	0.42	0.47	4 5 6 7A
HS1V									
	None	1 2 3	0.22	36	1.42	0.25	0.48	0.59	4 5 6 7A 7B 8
	Under 1" SDL	1 2	0.22	33	1.42	0.25	0.43	0.52	4 5 6 7A 7B 8
	1" SDL And Over	1 2	0.22	30	1.42	0.25	0.38	0.46	4 5 6 7A 7B 8
	Under 1" Grille	1 2	0.22	33	1.42	0.25	0.43	0.52	4 5 6 7A 7B 8
	1" Grille And Over	1 2	0.22	30	1.42	0.25	0.38	0.46	4 5 6 7A 7B 8
HS4									
	None	No/non	0.22	20	1.65	0.29	0.28	0.53	4 5
	Under 1" SDL	No/non	0.22	18	1.65	0.29	0.25	0.47	4 5
	1" SDL And Over	No/non	0.22	17	1.65	0.29	0.23	0.42	4 5
	Under 1" Grille	No/non	0.22	18	1.65	0.29	0.25	0.47	4 5
	1" Grille And Over	No/non	0.22	17	1.65	0.29	0.23	0.42	4 5
HS4V									
	None	1 2	0.22	25	1.42	0.25	0.28	0.52	4 5 6 7A
	Under 1" SDL	1 2	0.22	23	1.42	0.25	0.25	0.46	4 5 6 7A
	1" SDL And Over	1 2	0.22	21	1.42	0.25	0.22	0.41	4 5 6 7A
	Under 1" Grille	1 2	0.22	23	1.42	0.25	0.25	0.46	4 5 6 7A
	1" Grille And Over	1 2	0.22	21	1.42	0.25	0.22	0.41	4 5 6 7A
HS2									
	None	1 2 3	0.22	38	1.31	0.23	0.47	0.55	4 5 6 7A 7B 8
	Under 1" SDL	1 2 3	0.22	35	1.31	0.23	0.42	0.49	4 5 6 7A 7B 8
	1" SDL And Over	1 2	0.22	33	1.31	0.23	0.38	0.43	4 5 6 7A 7B 8
	Under 1" Grille	1 2 3	0.22	35	1.31	0.23	0.42	0.49	4 5 6 7A 7B 8
	1" Grille And Over	1 2	0.22	33	1.31	0.23	0.38	0.43	4 5 6 7A 7B 8


**Legend:**

Standards: U-Values = NFRC 100-1;

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## Slider Con't.

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HS3									
	None	1 2 3	0.22	41	1.08	0.19	0.43	0.53	4 5 6 7A 7B 8
	Under 1" SDL	1 2 3	0.22	38	1.08	0.19	0.38	0.47	4 5 6 7A 7B 8
	1" SDL And Over	1 2 3	0.22	36	1.08	0.19	0.34	0.42	4 5 6 7A 7B 8
	Under 1" Grille	1 2 3	0.22	38	1.08	0.19	0.38	0.47	4 5 6 7A 7B 8
	1" Grille And Over	1 2 3	0.22	36	1.08	0.19	0.34	0.42	4 5 6 7A 7B 8
HS5									
	None	1 2	0.22	26	1.31	0.23	0.26	0.49	4 5 6 7A 7B 8
	Under 1" SDL	1 2	0.22	25	1.31	0.23	0.24	0.43	4 5 6 7A 7B 8
	1" SDL And Over	1 2	0.22	23	1.31	0.23	0.21	0.38	4 5 6 7A 7B 8
	Under 1" Grille	1 2	0.22	25	1.31	0.23	0.24	0.43	4 5 6 7A 7B 8
	1" Grille And Over	1 2	0.22	23	1.31	0.23	0.21	0.38	4 5 6 7A 7B 8
HS6									
	None	1 2 3	0.22	31	1.02	0.18	0.24	0.41	4 5 6 7A 7B 8
	Under 1" SDL	1 2 3	0.22	30	1.02	0.18	0.22	0.37	4 5 6 7A 7B 8
	1" SDL And Over	1 2 3	0.22	28	1.02	0.18	0.19	0.33	4 5 6 7A 7B 8
	Under 1" Grille	1 2 3	0.22	30	1.02	0.18	0.22	0.37	4 5 6 7A 7B 8
	1" Grille And Over	1 2 3	0.22	28	1.02	0.18	0.19	0.33	4 5 6 7A 7B 8
Triple									
	None	1 2	0.22	31	1.82	0.32	0.54	0.57	4 5 6 7A 7B 8
	Under 1" SDL	1	0.22	27	1.82	0.32	0.48	0.51	4 5 6 7A
	1" SDL And Over	1	0.22	25	1.82	0.32	0.43	0.45	4 5 6 7A
	Under 1" Grille	1	0.22	27	1.82	0.32	0.48	0.51	4 5 6 7A
	1" Grille And Over	1	0.22	25	1.82	0.32	0.43	0.45	4 5 6 7A


**Legend:**

Standards: U-Values = NFRC 100-1;

SHGC (Solar Heat Gain Coefficient) / VT (Visible Transmittance) = NFRC 200-1