

DOUBLE-HUNG

SIZE TABLES

Aluminum-Clad Exterior

Double-Hung with Removable Grilles



Vent Units

	(552) (533)	(654) (635)	(755) (737)	(857) (838)	(959) (940)	(1 060) (1 041)
Opening	1' 9 3/4"	2' 1 3/4"	2' 5 3/4"	2' 9 3/4"	3' 1 3/4"	3' 5 3/4"
Frame	1' 9"	2' 1"	2' 5"	2' 9"	3' 1"	3' 5"
(908) (889)						
(1 060) (1 041)						
(1 213) (1 194)						
(1 365) (1 346)						
(1 467) (1 448)						
(1 517) (1 499)						
(1 670) (1 651)						
(1 822) (1 803)						
(1 975) (1 956)						

Special Size Frame Dimensions*

	MINIMUM	MAXIMUM
VENT	1' 9" W x 2' 11" H (533 x 889)	3' 5" W x 6' 5" H (1 041 x 1 956)
FIXED	1' 9" W x 1' 2" H (533 x 356)	4' 11" W x 5' 11-1/2" H (1 499 x 1 816)

* Available within size range shown. Keep frame dimensions to the nearest 1/4" increment. Frame height cannot exceed frame width on special size vent units.

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

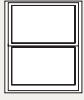
E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

See Design Data pages in this section for clear opening dimensions.

Not to scale.

Traditional grille patterns shown. Refer to Clad/Wood Overview Section for additional patterns and profiles.

Grille patterns shown will align with grilles-between-the-glass on companion units.



DOUBLE-HUNG

SIZE TABLES

Aluminum-Clad Exterior

Fixed and Transoms with Removable Grilles



Transoms

	(552) (533)	(654) (635)	(755) (737)	(857) (838)	(959) (940)	(1 060) (1 041)
Opening	1' 9 3/4"	2' 1 3/4"	2' 5 3/4"	2' 9 3/4"	3' 1 3/4"	3' 5 3/4"
Frame	1' 9"	2' 1"	2' 5"	2' 9"	3' 1"	3' 5"
1' 2"	2114	2514	2914	3314	3714	4114
(374) (356)						
1' 5"	2117	2517	2917	3317	3717	4117
(451) (432)						
1' 9"	2121					
(552) (533)						
2' 1"	2125	2525	2925	3325	3725	4125
(654) (635)						
2' 5"			2929			
(756) (737)						

Fixed Units

	(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 517) (1 499)	(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 517) (1 499)
Opening	3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"	3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"
Frame	3' 5"	3' 11"	4' 5"	4' 11"	3' 5"	3' 11"	4' 5"	4' 11"
2' 11"	4135	4735	5335	5935	4159	4759	5359	5959
(908) (889)								
3' 5"	4141	4741	5341	5941	4165	4765	5365	5965
(1 060) (1 041)								
3' 11"	4147	4747	5347	5947	4171	4771	5371	5971
(1 213) (1 194)								
4' 5"	4153	4753	5353	5953				
(1 365) (1 346)								
4' 9"	4157	4757	5357	5957				
(1 467) (1 448)								

Not to scale.

Traditional grille patterns shown. Refer to Overview Section for additional patterns and profiles.

Grille patterns shown will align with grilles-between-the-glass on companion units.



DOUBLE-HUNG

SIZE TABLES

Aluminum-Clad Exterior

Double-Hung with GBG's and SDL's¹



Vent Units

	(552) (533)	(654) (635)	(755) (737)	(857) (838)	(959) (940)	(1 060) (1 041)
Opening	1' 9 3/4"	2' 1 3/4"	2' 5 3/4"	2' 9 3/4"	3' 1 3/4"	3' 5 3/4"
Frame	1' 9"	2' 1"	2' 5"	2' 9"	3' 1"	3' 5"
(908) (889)						
(1 060) (1 041)						
(1 213) (1 194)						
(1 365) (1 346)						
(1 467) (1 448)						
(1 517) (1 499)						
(1 670) (1 651)						
(1 822) (1 803)						
(1 975) (1 956)						

Egress Notes:
 Check all applicable local codes for emergency egress requirements.
 E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².
 E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².
 See Design Data pages in this section for clear opening dimensions.

Not to scale.

(1) Simulated divided lights are available in traditional patterns only.

Traditional grille patterns shown. Refer to Clad/Wood Overview Section for additional patterns and profiles.

Grille patterns shown will align with grilles-between-the-glass on companion units.



DOUBLE-HUNG

SIZE TABLES

Aluminum-Clad Exterior

Fixed and Transoms with GBG's and SDL's



Transoms

	(552) (533)	(654) (635)	(755) (737)	(857) (838)	(959) (940)	(1 060) (1 041)
Opening	1' 9 3/4"	2' 1 3/4"	2' 5 3/4"	2' 9 3/4"	3' 1 3/4"	3' 5 3/4"
Frame	1' 9"	2' 1"	2' 5"	2' 9"	3' 1"	3' 5"
1' 2"						
(374) (356)	2114	2514	2914	3314	3714	4114
1' 5"						
(451) (432)	2117	2517	2917	3317	3717	4117
1' 9"						
(552) (533)	2121					
2' 1"						
(654) (635)	2125	2525	2925	3325	3725	4125
2' 5"						
(756) (737)			2929			

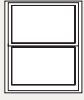
Fixed Units

	(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 517) (1 499)	(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 517) (1 499)
Opening	3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"	3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"
Frame	3' 5"	3' 11"	4' 5"	4' 11"	3' 5"	3' 11"	4' 5"	4' 11"
2' 11"								
(908) (889)	4135	4735	5335	5935	4159	4759	5359	5959
3' 5"								
(1 060) (1 041)	4141	4741	5341	5941	4165	4765	5365	5965
3' 11"								
(1 213) (1 194)	4147	4747	5347	5947	4171	4771	5371	5971
4' 5"								
(1 365) (1 346)	4153	4753	5353	5953				
4' 9"								
(1 467) (1 448)	4157	4757	5357	5957				

Not to scale.

Traditional grille patterns shown. Refer to Overview Section for additional patterns and profiles.

Grille patterns shown will align with grilles-between-the-glass on companion units.



DOUBLE-HUNG






















SIZE TABLES

Aluminum-Clad Exterior

























































Replacement Double-Hung and Transoms with Removable Grilles



Transoms

	(616) (597)	(718) (699)	(762) (749)	(819) (800)	(921) (902)	(1 022) (1 003)	(1 073) (1 054)
Opening	2' 0 1/4"	2' 4 1/4"	2' 6 1/4"	2' 8 1/4"	3' 0 1/4"	3' 4 1/4"	3' 6 1/4"
Frame	1' 11 1/2"	2' 3 1/2"	2' 5 1/2"	2' 7 1/2"	2' 11 1/2"	3' 3 1/2"	3' 5 1/2"
1' 2" (375) (356)	 23.5 x 14	 27.5 x 14	 29.5 x 14	 31.5 x 14	 35.5 x 14	 39.5 x 14	 41.5 x 14
1' 5" (451) (432)	 23.5 x 17	 27.5 x 17	 29.5 x 17	 31.5 x 17	 35.5 x 17	 39.5 x 17	 41.5 x 17
2' 1 3/4" (654) (635)	 23.5 x 25	 27.5 x 25	 29.5 x 25	 31.5 x 25	 35.5 x 25	 39.5 x 25	 41.5 x 25

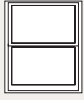
Vent Units

3' 0 1/4" (921) (902)	 23.5 x 35.5	 27.5 x 35.5	 29.5 x 35.5	 31.5 x 35.5	 35.5 x 35.5	 39.5 x 35.5	 41.5 x 35.5
3' 2 1/4" (972) (953)	 23.5 x 37.5	 27.5 x 37.5	 29.5 x 37.5	 31.5 x 37.5	 35.5 x 37.5	 39.5 x 37.5	 41.5 x 37.5
3' 6 1/4" (1 073) (1 054)	 23.5 x 41.5	 27.5 x 41.5	 29.5 x 41.5	 31.5 x 41.5	 35.5 x 41.5	 39.5 x 41.5	 41.5 x 41.5
3' 10 1/4" (1 175) (1 156)	 23.5 x 45.5	 27.5 x 45.5	 29.5 x 45.5	 31.5 x 45.5	 35.5 x 45.5	 39.5 x 45.5	 41.5 x 45.5
4' 0 1/4" (1 226) (1 206)	 23.5 x 47.5	 27.5 x 47.5	 29.5 x 47.5	 31.5 x 47.5	 35.5 x 47.5	 39.5 x 47.5	 41.5 x 47.5
4' 4 1/4" (1 327) (1 308)	 23.5 x 51.5	 27.5 x 51.5	 29.5 x 51.5	 31.5 x 51.5	 35.5 x 51.5	 39.5 x 51.5	 41.5 x 51.5
4' 6 1/4" (1 378) (1 359)	 23.5 x 53.5	 27.5 x 53.5	 29.5 x 53.5	 31.5 x 53.5	 35.5 x 53.5	 39.5 x 53.5	 41.5 x 53.5
4' 10 1/4" (1 473) (1 461)	 23.5 x 57.5	 27.5 x 57.5	 29.5 x 57.5	 31.5 x 57.5 E ₁	 35.5 x 57.5 E	 39.5 x 57.5 E	 41.5 x 57.5 E

Egress Notes:
 Check all applicable local codes for emergency egress requirements.
 E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².
 E₁ = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².
 See Design Data pages in this section for clear opening dimensions.

Not to scale.

Traditional grille patterns shown. Refer to Clad/Wood Overview Section for additional patterns and profiles.



DOUBLE-HUNG

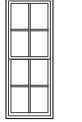
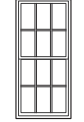


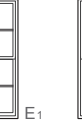
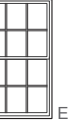

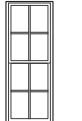
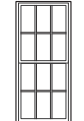
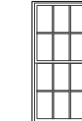

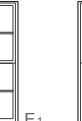
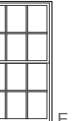
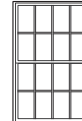
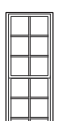
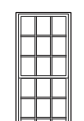
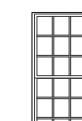

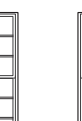
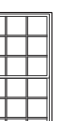
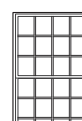
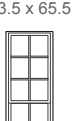
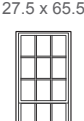



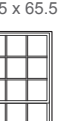

SIZE TABLES

Aluminum-Clad Exterior

Replacement Double-Hung with Removable Grilles



Vent Units

	(616) (597)	(718) (699)	(762) (749)	(819) (800)	(921) (902)	(1 022) (1 003)	(1 073) (1 054)
Opening	2' 0 1/4"	2' 4 1/4"	2' 6 1/4"	2' 8 1/4"	3' 0 1/4"	3' 4 1/4"	3' 6 1/4"
Frame	1' 11 1/2"	2' 3 1/2"	2' 5 1/2"	2' 7 1/2"	2' 11 1/2"	3' 3 1/2"	3' 5 1/2"
(1 530) (1 511) 5' 0 1/4"							
	23.5 x 59.5	27.5 x 59.5	29.5 x 59.5	31.5 x 59.5	35.5 x 59.5	39.5 x 59.5	41.5 x 59.5
(1 581) (1 562) 5' 2 1/4"							
	23.5 x 61.5	27.5 x 61.5	29.5 x 61.5	31.5 x 61.5	35.5 x 61.5	39.5 x 61.5	41.5 x 61.5
(1 683) (1 664) 5' 6 1/4"							
	23.5 x 65.5	27.5 x 65.5	29.5 x 65.5	31.5 x 65.5	35.5 x 65.5	39.5 x 65.5	41.5 x 65.5
(1 835) (1 816) 6' 0 1/4"							
	23.5 x 71.5	27.5 x 71.5	29.5 x 71.5	31.5 x 71.5	35.5 x 71.5	39.5 x 71.5	41.5 x 71.5

Egress Notes:

Check all applicable local codes for emergency egress requirements.

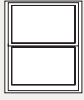
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E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

See Design Data pages in this section for clear opening dimensions.

Not to scale.

Traditional grille patterns shown. Refer to Clad/Wood Overview Section for additional patterns and profiles.



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SIZE TABLES

Aluminum-Clad Exterior

Replacement Double-Hung and Transoms with Grilles-Between-the-Glass



Transoms

	(616) (597)	(718) (699)	(762) (749)	(819) (800)	(921) (902)	(1 022) (1 003)	(1 073) (1 054)
Opening	2' 0 1/4"	2' 4 1/4"	2' 6 1/4"	2' 8 1/4"	3' 0 1/4"	3' 4 1/4"	3' 6 1/4"
Frame	1' 11 1/2"	2' 3 1/2"	2' 5 1/2"	2' 7 1/2"	2' 11 1/2"	3' 3 1/2"	3' 5 1/2"
(375) (356)	23.5 x 14	27.5 x 14	29.5 x 14	31.5 x 14	35.5 x 14	39.5 x 14	41.5 x 14
(451) (432)	23.5 x 17	27.5 x 17	29.5 x 17	31.5 x 17	35.5 x 17	39.5 x 17	41.5 x 17
(654) (635)	23.5 x 25	27.5 x 25	29.5 x 25	31.5 x 25	35.5 x 25	39.5 x 25	41.5 x 25

Vent Units

(921) (902)	23.5 x 35.5	27.5 x 35.5	29.5 x 35.5	31.5 x 35.5	35.5 x 35.5	39.5 x 35.5	41.5 x 35.5
(972) (953)	23.5 x 37.5	27.5 x 37.5	29.5 x 37.5	31.5 x 37.5	35.5 x 37.5	39.5 x 37.5	41.5 x 37.5
(1 073) (1 054)	23.5 x 41.5	27.5 x 41.5	29.5 x 41.5	31.5 x 41.5	35.5 x 41.5	39.5 x 41.5	41.5 x 41.5
(1 175) (1 156)	23.5 x 45.5	27.5 x 45.5	29.5 x 45.5	31.5 x 45.5	35.5 x 45.5	39.5 x 45.5	41.5 x 45.5
(1 226) (1 206)	23.5 x 47.5	27.5 x 47.5	29.5 x 47.5	31.5 x 47.5	35.5 x 47.5	39.5 x 47.5	41.5 x 47.5
(1 327) (1 308)	23.5 x 51.5	27.5 x 51.5	29.5 x 51.5	31.5 x 51.5	35.5 x 51.5	39.5 x 51.5	41.5 x 51.5
(1 378) (1 359)	23.5 x 53.5	27.5 x 53.5	29.5 x 53.5	31.5 x 53.5	35.5 x 53.5	39.5 x 53.5	41.5 x 53.5
(1 473) (1 461)	23.5 x 57.5	27.5 x 57.5	29.5 x 57.5	31.5 x 57.5 E ₁	35.5 x 57.5 E	39.5 x 57.5 E	41.5 x 57.5 E

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Not to scale.

Traditional grille patterns shown. Refer to Clad/Wood Overview Section for additional patterns and profiles.



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Aluminum-Clad Exterior

Replacement Double-Hung with Grilles-Between-the-Glass



Vent Units

	(616) (597)	(718) (699)	(762) (749)	(819) (800)	(921) (902)	(1 022) (1 003)	(1 073) (1 054)
Opening	2' 0 1/4"	2' 4 1/4"	2' 6 1/4"	2' 8 1/4"	3' 0 1/4"	3' 4 1/4"	3' 6 1/4"
Frame	1' 11 1/2"	2' 3 1/2"	2' 5 1/2"	2' 7 1/2"	2' 11 1/2"	3' 3 1/2"	3' 5 1/2"
(1 530) (1 511) 5' 0 1/4" 4' 11 1/2" (1 581) (1 562) 5' 2 1/4" 5' 1 1/2" (1 683) (1 664) 5' 6 1/4" 5' 5 1/2" (1 835) (1 816) 6' 0 1/4" 5' 11 1/2"	 23.5 x 59.5	 27.5 x 59.5	 29.5 x 59.5	 31.5 x 59.5 E ₁	 35.5 x 59.5 E	 39.5 x 59.5 E	 41.5 x 59.5 E
	 23.5 x 61.5	 27.5 x 61.5	 29.5 x 61.5 E ₁	 31.5 x 61.5 E ₁	 35.5 x 61.5 E	 39.5 x 61.5 E	 41.5 x 61.5 E
	 23.5 x 65.5	 27.5 x 65.5	 29.5 x 65.5 E ₁	 31.5 x 65.5 E	 35.5 x 65.5 E	 39.5 x 65.5 E	 41.5 x 65.5 E
	 23.5 x 71.5	 27.5 x 71.5 E ₁	 29.5 x 71.5 E	 31.5 x 71.5 E	 35.5 x 71.5 E	 39.5 x 71.5 E	 41.5 x 71.5 E

Egress Notes:

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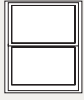
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DOUBLE-HUNG

SIZE TABLES

Aluminum-Clad Exterior

Replacement Fixed with Removable Grilles



Fixed Units

		(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 517) (1 499)			(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 517) (1 499)
Opening		3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"	Opening		3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"
Frame		3' 5"	3' 11"	4' 5"	4' 11"	Frame		3' 5"	3' 11"	4' 5"	4' 11"
(921) (902)	3' 0 1/4"					(1 530) (1 511)	5' 0 1/4"				
(972) (953)	3' 2 1/4"					(1 581) (1 562)	5' 2 1/4"				
(1 073) (1 054)	3' 6 1/4"					(1 683) (1 664)	5' 6 1/4"				
(1 175) (1 156)	3' 10 1/4"					(1 835) (1 816)	6' 0 1/4"				
(1 226) (1 206)	4' 0 1/4"										
(1 327) (1 308)	4' 4 1/4"										
(1 378) (1 359)	4' 6 1/4"										
(1 473) (1 461)	4' 10 1/4"										
	2' 11 1/2"						4' 11 1/2"				
	3' 1 1/2"						5' 1 1/2"				
	3' 5 1/2"						5' 5 1/2"				
	3' 9 1/2"										
	3' 11 1/2"										
	4' 3 1/2"										
	4' 5 1/2"										
	4' 9 1/2"										

Egress Notes:

Check all applicable local codes for emergency egress requirements.

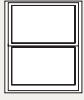
E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

See Design Data pages in this section for clear opening dimensions.

Not to scale.

Traditional grille patterns shown. Refer to Clad/Wood Overview Section for additional patterns and profiles.



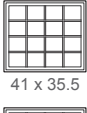



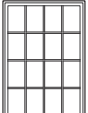
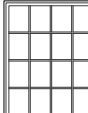
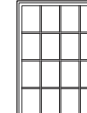





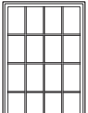
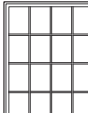
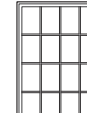

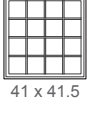



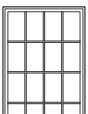







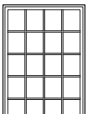
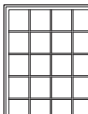
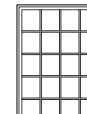

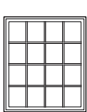
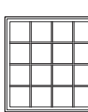
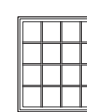
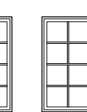












DOUBLE-HUNG

SIZE TABLES

Aluminum-Clad Exterior

Replacement Fixed with Grilles-Between-the-Glass



	(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 517) (1 499)		(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 517) (1 499)
Opening	3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"		3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"
Frame	3' 5"	3' 11"	4' 5"	4' 11"		3' 5"	3' 11"	4' 5"	4' 11"
(921) (972)					(1 530) (1 511)				
	41 x 35.5	47 x 35.5	53 x 35.5	59 x 35.5		41 x 59.5	47 x 59.5	53 x 59.5	59 x 59.5
(1 073) (1 054)					(1 581) (1 562)				
	41 x 37.5	47 x 37.5	53 x 37.5	59 x 37.5		41 x 61.5	47 x 61.5	53 x 61.5	59 x 61.5
(1 175) (1 156)					(1 683) (1 664)				
	41 x 41.5	47 x 41.5	53 x 41.5	59 x 41.5		41 x 65.5	47 x 65.5	53 x 65.5	59 x 65.5
(1 226) (1 206)					(1 835) (1 816)				
	41 X 45.5	47 X 45.5	53 X 45.5	59 X 45.5		41 x 71.5	47 x 71.5	53 x 71.5	59 x 71.5
(1 327) (1 308)									
	41 X 47.5	47 X 47.5	53 X 47.5	59 X 47.5					
(1 378) (1 359)									
	41 x 51.5	47 x 51.5	53 x 51.5	59 x 51.5					
(1 473) (1 461)									
	41 x 53.5	47 x 53.5	53 x 53.5	59 x 53.5					
									
	41 x 57.5	47 x 57.5	53 x 57.5	59 x 57.5					

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

See Design Data pages in this section for clear opening dimensions.

Not to scale.

Traditional grille patterns shown. Refer to Clad/Wood Overview Section for additional patterns and profiles.