
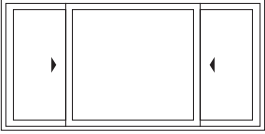


SLIDING WINDOW

SPECIAL SIZE FRAME DIMENSIONS

Miscellaneous Formulas



		MINIMUM	MAXIMUM
XO OR OX UNITS		21-1/2"W x 11-1/2"H (546 x 292)	76"W x 72"H (1 828 x 18 288)
		47-1/2"W x 11-1/2"H (1 207 x 292)	114"W x 72"H (2 896 x 18 288)

General Notes:

XO/OX Units:

Rough Opening = Frame Dimension + 1/2"
 Maximum Frame Height ≤ Frame Width x 1.75
 Bronze glass is limited to 22 Ft² (glass size).
 If glass width/height ratio is > 5:1, then unit must be tempered.

XOX Units:

Rough Opening = Frame Dimension + 1/2"
 Sash split options are 1/4 width and 1/3 width of frame
 1/4 Vent XOX Units: Max frame height ≤ frame width X 0.875
 1/3 Vent XOX Units: Max frame height ≤ frame width X 1.167
 Bronze glass is limited to 22 Ft² (glass size).
 If glass width/height ratio is > 5:1, then unit must be tempered.

Miscellaneous Formulas

	EQUAL VENT (XO AND OX)	QUARTER VENT (XOX)	THIRD VENT (XOX)
ACTUAL GLASS	$AGW = (FW - 4.876) / 2$	$AGW = (FW - 10.25) / 4$	$AGW = (FW - 7.563) / 3$
		$AGH = FH - 5.312$	
VISIBLE GLASS		$VGW = AGW - 1.112$	
		$VGH = AGH - 1.112$	
CLEAR OPENING ₁	$COW = (FW - 9.874) / 2$	$COW = (FW - 9.638) / 4$	$COW = (FW - 15.375) / 3$
		$COH = FH - 4.063$	

KEY:

AGW = Actual Glass Width
 AGH = Actual Glass Height
 FW = Frame Width
 FH = Frame Height
 VGW = Visible Glass Width
 VGH = Visible Glass Height

(1) Calculated based on standard hardware.

To convert areas to square meters (m²), multiply square feet by 0.0929
















































SLIDING WINDOW

SIZE TABLES
Vent-Fixed Units (XO)



Vent-Fixed Units (XO)

	(610) (597)	(762) (749)	(914) (902)	(1 219) (1 207)	(1 524) (1 511)	(1 829) (1 816)		
Opening	2' 0"	2' 6"	3' 0"	4' 0"	5' 0"	6' 0"		
Frame	23 1/2"	29 1/2"	35 1/2"	47 1/2"	59 1/2"	71 1/2"		
(457) (445)	1' 6"	17 1/2"						
(610) (597)	2' 0"	23 1/2"						
(762) (749)	2' 6"	29 1/2"						 E ₁
(914) (902)	3' 0"	35 1/2"					 E ₁	 E
(1 067) (1 054)	3' 6"	41 1/2"					 E	 E
(1 219) (1 207)	4' 0"	47 1/2"					 E	 E
(1 372) (1 359)	4' 6"	53 1/2"					 E	 E
(1 524) (1 511)	5' 0"	59 1/2"						 E
(1 829) (1 816)	6' 0"	71 1/2"						 E
								 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.

XO units shown also available as OX



SLIDING WINDOW

SIZE TABLES

Vent-Fixed-Vent Units (XOX)
Third Vent Units



Vent-Fixed-Vent Units (XOX)

	(1 829) (1 816)	(1 829) (2 121)	(2 438) (2 426)	(2 743) (2 731)
Opening	6' 0"	7' 0"	8' 0"	9' 0"
Frame	71 1/2"	83 1/2"	95 1/2"	107 1/2"
1' 6"	6-0/1-6	7-0/1-6	8-0/1-6	9-0/1-6
2' 0"	6-0/2-0	7-0/2-0	8-0/2-0	9-0/2-0
2' 6"	6-0/2-6	7-0/2-6	8-0/2-6	9-0/2-6 E1
3' 0"	6-0/3-0	7-0/3-0	8-0/3-0 E	9-0/3-0 E
3' 6"	6-0/3-6	7-0/3-6 E	8-0/3-6 E	9-0/3-6 E
4' 0"	6-0/4-0	7-0/4-0 E	8-0/4-0 E	9-0/4-0 E
4' 6"	6-0/4-6	7-0/4-6 E	8-0/4-6 E	9-0/4-6 E
5' 0"	6-0/5-0	7-0/5-0 E	8-0/5-0 E	9-0/5-0 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.



SLIDING WINDOW

SIZE TABLES

Vent-Fixed-Vent Units (XOX)

Quarter Vent Units



Vent-Fixed-Vent Units (XOX)

	(1 829) (1 816)	(1 829) (2 121)	(2 438) (2 426)	(2 743) (2 731)
Opening	6' 0"	7' 0"	8' 0"	9' 0"
Frame	71 1/2"	83 1/2"	95 1/2"	107 1/2"
1' 6" (457) (445)	6-0/1-6	7-0/1-6	8-0/1-6	9-0/1-6
2' 0" (610) (597)	6-0/2-0	7-0/2-0	8-0/2-0	9-0/2-0
2' 6" (762) (749)	6-0/2-6	7-0/2-6	8-0/2-6	9-0/2-6
3' 0" (914) (902)	6-0/3-0	7-0/3-0	8-0/3-0	9-0/3-0 E ₁
3' 6" (1 067) (1 054)	6-0/3-6	7-0/3-6	8-0/3-6 E ₁	9-0/3-6 E
4' 0" (1 219) (1 207)	6-0/4-0	7-0/4-0	8-0/4-0 E	9-0/4-0 E
4' 6" (1 372) (1 359)	6-0/4-6	7-0/4-6	8-0/4-6 E	9-0/4-6 E
5' 0" (1 524) (1 511)	6-0/5-0	7-0/5-0	8-0/5-0 E	9-0/5-0 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.















SLIDING WINDOW

SIZE TABLES

5/8" Integral Flange
Vent-Fixed Units (XO)



Call Size	H3	2	3	D2
Masonry	27 1/4"	37 3/4"	53 7/8"	74 3/4"
Buck	25 3/4"	36 1/4"	52 3/8"	73 1/4"
Frame	25 1/2"	36"	52 1/8"	73"
Tip to Tip	26 1/2"	37"	53 1/8"	74"

2	26"				
	25 1/4"	FL-H32	FL-22	FL-32	FL-D22
3	38 3/8"				
	37 5/8"	FL-H33	FL-23	FL-33	FL-D23 E
4	49 7/8"				
	49 5/8"	FL-H34	FL-24	FL-34 E	FL-D24 E

Not to scale.



SLIDING WINDOW


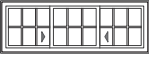







SIZE TABLES

5/8" Integral Flange

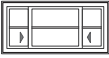
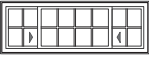
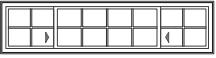






Third Vent and Quarter Vent Units (XOX)



Call Size	3	D2	D3
Masonry	53 7/8"	74 3/4"	107 1/8"
Buck	52 3/8"	73 1/4"	105 5/8"
Frame	52 1/8"	73"	105 3/8"
Tip to Tip	53 1/8"	74"	106 3/8"

2	26"	25 1/4"	26"			
				FL-32	FL-D22	FL-D32
3	38 3/8"	37 5/8"	37 3/8"			
				FL-33	FL-D23	FL-D33 E
4	50 5/8"	49 7/8"	49 5/8"			
				FL-34	FL-D24	FL-D34 E

Call Size	3	D2	D3
Masonry	53 7/8"	74 3/4"	107 1/8"
Buck	52 3/8"	73 1/4"	105 5/8"
Frame	52 1/8"	73"	105 3/8"
Tip to Tip	53 1/8"	74"	106 3/8"

2	26"	25 1/4"	26"			
				FL-32	FL-D22	FL-D32
3	38 3/8"	37 5/8"	37 3/8"			
				FL-33	FL-D23	FL-D33 E ₁
4	50 5/8"	49 7/8"	49 5/8"			
				FL-34	FL-D24	FL-D34 E ₁

Not to scale.