

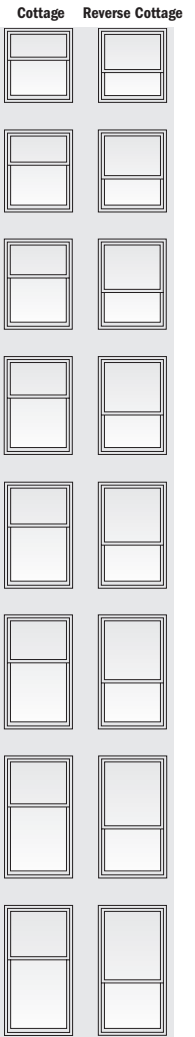
Table of Basic Double-Hung Unit Sizes

Scale 1/8" = 1'-0" (1:96)

See custom sizing information below.

| Unit Dimension        | 1'-7 1/4"                                                                           | 1'-11 1/4"                                                                          | 2'-3 1/4"                                                                           | 2'-5 1/4"                                                                           | 2'-7 1/4"                                                                           | 2'-9 1/4"                                                                           | 2'-11 1/4"                                                                          | 3'-1 1/4"                                                                           | 3'-3 1/4"                                                                           | 3'-7 1/4"                                                                           | 3'-11 1/4"                                                                          |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                       | (489)                                                                               | (591)                                                                               | (692)                                                                               | (743)                                                                               | (794)                                                                               | (845)                                                                               | (895)                                                                               | (946)                                                                               | (997)                                                                               | (1099)                                                                              | (1200)                                                                              |
| Minimum Rough Opening | 1'-8"                                                                               | 2'-0"                                                                               | 2'-4"                                                                               | 2'-6"                                                                               | 2'-8"                                                                               | 2'-10"                                                                              | 3'-0"                                                                               | 3'-2"                                                                               | 3'-4"                                                                               | 3'-8"                                                                               | 4'-0"                                                                               |
|                       | (508)                                                                               | (610)                                                                               | (711)                                                                               | (762)                                                                               | (813)                                                                               | (864)                                                                               | (914)                                                                               | (965)                                                                               | (1016)                                                                              | (1118)                                                                              | (1219)                                                                              |
| Unobstructed Glass*   | 12 5/8"                                                                             | 16 5/8"                                                                             | 20 5/8"                                                                             | 22 5/8"                                                                             | 24 5/8"                                                                             | 26 5/8"                                                                             | 28 5/8"                                                                             | 30 5/8"                                                                             | 32 5/8"                                                                             | 36 5/8"                                                                             | 40 5/8"                                                                             |
|                       | (321)                                                                               | (422)                                                                               | (524)                                                                               | (575)                                                                               | (625)                                                                               | (676)                                                                               | (727)                                                                               | (778)                                                                               | (829)                                                                               | (930)                                                                               | (1032)                                                                              |
| 2'-11 1/4"            |    |    |    |    |    |    |    |    |    |    |    |
|                       | ADH1830                                                                             | ADH2030                                                                             | ADH2430                                                                             | ADH2630                                                                             | ADH2830                                                                             | ADH21030                                                                            | ADH3030                                                                             | ADH3230                                                                             | ADH3430                                                                             | ADH3830                                                                             | ADH4030                                                                             |
| 3'-3 1/4"             |    |    |    |    |    |    |    |    |    |    |    |
|                       | ADH1834                                                                             | ADH2034                                                                             | ADH2434                                                                             | ADH2634                                                                             | ADH2834                                                                             | ADH21034                                                                            | ADH3034                                                                             | ADH3234                                                                             | ADH3434                                                                             | ADH3834                                                                             | ADH4034                                                                             |
| 3'-7 1/4"             |    |    |    |    |    |    |    |    |    |    |    |
|                       | ADH1838                                                                             | ADH2038                                                                             | ADH2438                                                                             | ADH2638                                                                             | ADH2838                                                                             | ADH21038                                                                            | ADH3038                                                                             | ADH3238                                                                             | ADH3438                                                                             | ADH3838                                                                             | ADH4038                                                                             |
| 3'-11 1/4"            |    |    |    |    |    |    |    |    |    |    |    |
|                       | ADH1840                                                                             | ADH2040                                                                             | ADH2440                                                                             | ADH2640                                                                             | ADH2840                                                                             | ADH21040                                                                            | ADH3040                                                                             | ADH3240                                                                             | ADH3440                                                                             | ADH3840                                                                             | ADH4040                                                                             |
| 4'-3 1/4"             |    |    |    |    |    |    |    |    |    |    |    |
|                       | ADH1844                                                                             | ADH2044                                                                             | ADH2444                                                                             | ADH2644                                                                             | ADH2844                                                                             | ADH21044                                                                            | ADH3044                                                                             | ADH3244                                                                             | ADH3444                                                                             | ADH3844                                                                             | ADH4044                                                                             |
| 4'-7 1/4"             |   |   |   |   |   |   |   |   |   |   |   |
|                       | ADH1848                                                                             | ADH2048                                                                             | ADH2448                                                                             | ADH2648                                                                             | ADH2848                                                                             | ADH21048                                                                            | ADH3048                                                                             | ADH3248                                                                             | ADH3448                                                                             | ADH3848                                                                             | ADH4048                                                                             |
| 4'-11 1/4"            |  |  |  |  |  |  |  |  |  |  |  |
|                       | ADH1850                                                                             | ADH2050                                                                             | ADH2450                                                                             | ADH2650                                                                             | ADH2850                                                                             | ADH21050                                                                            | ADH3050                                                                             | ADH3250                                                                             | ADH3450                                                                             | ADH3850                                                                             | ADH4050                                                                             |
| 5'-3 1/4"             |  |  |  |  |  |  |  |  |  |  |  |
|                       | ADH1854                                                                             | ADH2054                                                                             | ADH2454                                                                             | ADH2654                                                                             | ADH2854                                                                             | ADH21054                                                                            | ADH3054                                                                             | ADH3254                                                                             | ADH3454                                                                             | ADH3854                                                                             | ADH4054                                                                             |

Cottage and Reverse Cottage available for all widths and heights up to 6'-7 1/4".

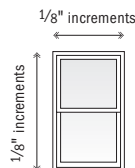


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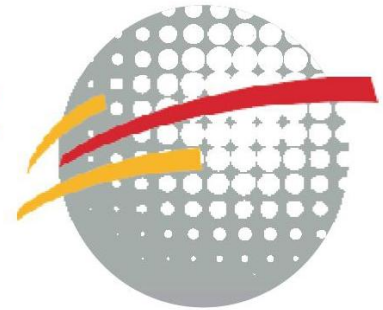
### CUSTOM SIZES

Custom unit widths are available in 1/8" increments between 16" and 48".

Custom unit heights are available in 1/8" increments between 28" and 96" for equal sash only.



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\* Unobstructed glass height is for single sash only.

◆ These units meet or exceed the following dimensions: Clear Openable Area = 5.7 sq. ft.; Clear Openable Width = 20"; Clear Openable Height = 24"

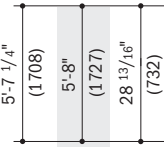
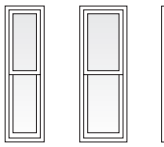
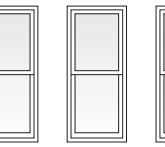
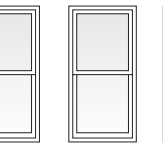
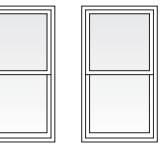
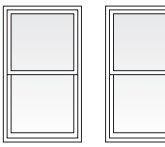
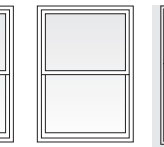
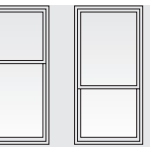
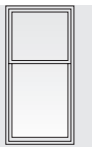
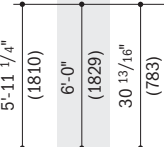
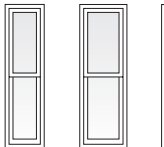
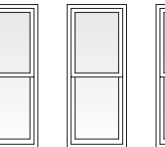
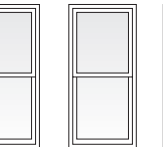
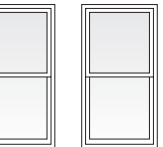
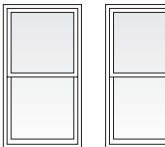
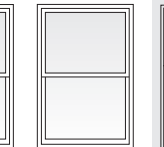
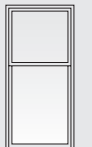
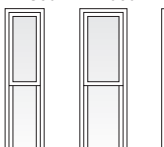
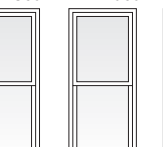
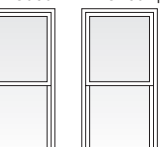
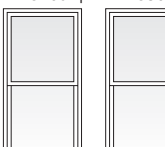
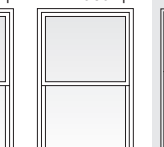
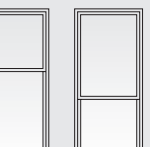
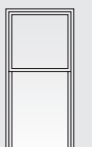
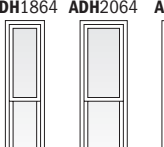
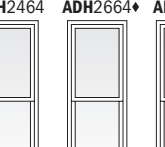
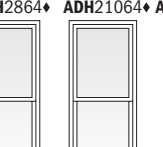
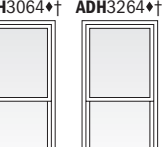
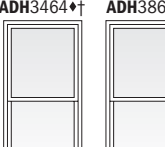
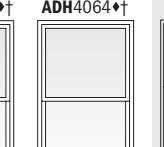
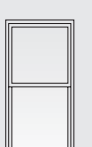
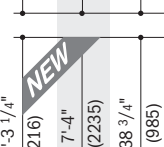
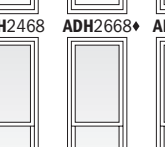
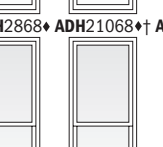
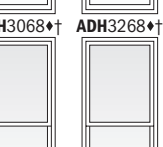
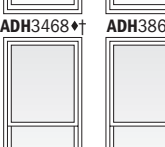
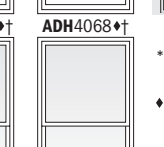
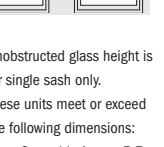
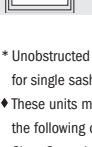
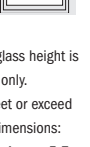
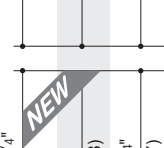
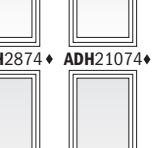
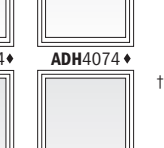
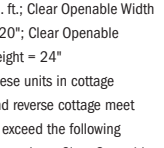
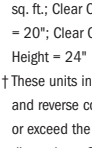
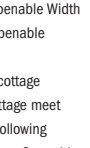
◆ Rough opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.

◆ "Unit Dimension" always refers to outside frame to frame dimension. Dimensions in parentheses are in millimeters.

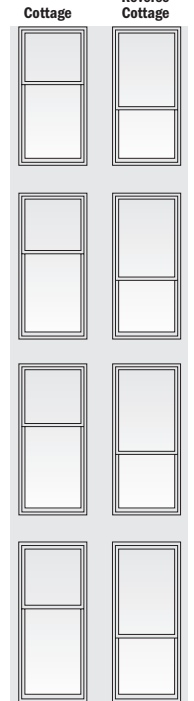
**Table of Basic Double-Hung Unit Sizes (continued)**

Scale 1/8" = 1'-0" (1:96)

See custom sizing information below.

| Unit Dimension               | 1'-7 1/4"                                                                           | 1'-11 1/4"                                                                          | 2'-3 1/4"                                                                           | 2'-5 1/4"                                                                           | 2'-7 1/4"                                                                           | 2'-9 1/4"                                                                            | 2'-11 1/4"                                                                            | 3'-1 1/4"                                                                             | 3'-3 1/4"                                                                             | 3'-7 1/4"                                                                             | 3'-11 1/4"                                                                            |                                                                                       |                                                                                       |
|------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                              | (489)                                                                               | (591)                                                                               | (692)                                                                               | (743)                                                                               | (794)                                                                               | (845)                                                                                | (895)                                                                                 | (946)                                                                                 | (997)                                                                                 | (1099)                                                                                | (1200)                                                                                |                                                                                       |                                                                                       |
| <b>Minimum Rough Opening</b> | 1'-8"                                                                               | 2'-0"                                                                               | 2'-4"                                                                               | 2'-6"                                                                               | 2'-8"                                                                               | 2'-10"                                                                               | 3'-0"                                                                                 | 3'-2"                                                                                 | 3'-4"                                                                                 | 3'-8"                                                                                 | 4'-0"                                                                                 |                                                                                       |                                                                                       |
|                              | (508)                                                                               | (610)                                                                               | (711)                                                                               | (762)                                                                               | (813)                                                                               | (864)                                                                                | (914)                                                                                 | (965)                                                                                 | (1016)                                                                                | (1118)                                                                                | (1219)                                                                                |                                                                                       |                                                                                       |
| <b>Unobstructed Glass*</b>   | 12 5/8"                                                                             | 16 5/8"                                                                             | 20 5/8"                                                                             | 22 5/8"                                                                             | 24 5/8"                                                                             | 26 5/8"                                                                              | 28 5/8"                                                                               | 30 5/8"                                                                               | 32 5/8"                                                                               | 36 5/8"                                                                               | 40 5/8"                                                                               |                                                                                       |                                                                                       |
|                              | (320)                                                                               | (422)                                                                               | (623)                                                                               | (574)                                                                               | (623)                                                                               | (776)                                                                                | (726)                                                                                 | (777)                                                                                 | (828)                                                                                 | (930)                                                                                 | (1031)                                                                                |                                                                                       |                                                                                       |
| 5'-7 1/4"                    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                              | ADH1858                                                                             | ADH2058                                                                             | ADH2458                                                                             | ADH2658                                                                             | ADH2858                                                                             | ADH21058♦                                                                            | ADH3058♦                                                                              | ADH3258♦                                                                              | ADH3458♦                                                                              | ADH3858♦                                                                              | ADH4058♦                                                                              |                                                                                       |                                                                                       |
| 5'-11 1/4"                   |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                              | ADH1860                                                                             | ADH2060                                                                             | ADH2460                                                                             | ADH2660                                                                             | ADH2860♦                                                                            | ADH21060♦                                                                            | ADH3060♦                                                                              | ADH3260†                                                                              | ADH3460†                                                                              | ADH3860†                                                                              | ADH4060†                                                                              |                                                                                       |                                                                                       |
| 6'-3 1/4"                    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                              | ADH1864                                                                             | ADH2064                                                                             | ADH2464                                                                             | ADH2664♦                                                                            | ADH2864♦                                                                            | ADH21064♦                                                                            | ADH3064†                                                                              | ADH3264†                                                                              | ADH3464†                                                                              | ADH3864†                                                                              | ADH4064†                                                                              |                                                                                       |                                                                                       |
| 6'-7 1/4"                    |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                              | ADH1868                                                                             | ADH2068                                                                             | ADH2468                                                                             | ADH2668♦                                                                            | ADH2868♦                                                                            | ADH21068†                                                                            | ADH3068†                                                                              | ADH3268†                                                                              | ADH3468†                                                                              | ADH3868†                                                                              | ADH4068†                                                                              |                                                                                       |                                                                                       |
| 7'-3 1/4"                    |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                              | ADH1874                                                                             | ADH2074                                                                             | ADH2474                                                                             | ADH2674♦                                                                            | ADH2874♦                                                                            | ADH21074♦                                                                            | ADH3074♦                                                                              | ADH3274♦                                                                              | ADH3474♦                                                                              | ADH3874♦                                                                              | ADH4074♦                                                                              |                                                                                       |                                                                                       |
| 7'-11 1/4"                   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                              | ADH1880                                                                             | ADH2080                                                                             | ADH2480                                                                             | ADH2680♦                                                                            | ADH2880♦                                                                            | ADH21080♦                                                                            | ADH3080♦                                                                              | ADH3280♦                                                                              | ADH3480♦                                                                              | ADH3880♦                                                                              | ADH4080♦                                                                              |                                                                                       |                                                                                       |

Cottage and Reverse Cottage available for all widths and heights up to 6'-7 1/4".



- \* Unobstructed glass height is for single sash only.
- ♦ These units meet or exceed the following dimensions: Clear Openable Area = 5.7 sq. ft.; Clear Openable Width = 20"; Clear Openable Height = 24"
- † These units in cottage and reverse cottage meet or exceed the following dimensions: Clear Openable Area = 5.7 sq. ft.; Clear Openable Width = 20"; Clear Openable Height = 24"
- Rough opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.
- "Unit Dimension" refers to outside frame to frame dimension. Dimensions in parentheses are in millimeters.

## CUSTOM SIZES

Custom unit widths are available in 1/8" increments between 16" and 48".

Custom unit heights are available in 1/8" increments between 28" and 96" for equal sash only.

