


















































































# WOOD DOUBLE HUNG

MO (mm)	2-0 1/2 (622)	2-4 1/2 (724)	2-8 1/2 (826)	2-10 1/2 (876)	3-0 1/2 (927)	3-2 1/2 (978)	3-4 1/2 (1029)	3-8 1/2 (1130)	4-0 1/2 (1232)
RO (mm)	1-10 3/8 (568)	2-2 3/8 (670)	2-6 3/8 (772)	2-8 3/8 (822)	2-10 3/8 (873)	3-0 3/8 (924)	3-2 3/8 (975)	3-6 3/8 (1076)	3-10 3/8 (1178)
FS (mm)	1-9 3/8 (543)	2-1 3/8 (645)	2-5 3/8 (746)	2-7 3/8 (797)	2-9 3/8 (848)	2-11 3/8 (899)	3-1 3/8 (949)	3-5 3/8 (1051)	3-9 3/8 (1153)
DLO (mm)	1-2 15/16 (379)	1-6 15/16 (481)	1-10 15/16 (583)	2-0 15/16 (633)	2-2 15/16 (684)	2-4 15/16 (735)	2-6 15/16 (786)	2-10 15/16 (887)	3-2 15/16 (989)
2-10 9/16 (878) 2-9 1/2 (851) 2-9 (838) 0-1 15/16 (278)	 UWDH1612	 UWDH2012	 UWDH2412	 UWDH2612	 UWDH2812	 UWDH3012	 UWDH3212	 UWDH3612	 UWDH4012
3-2 9/16 (880) 3-1 1/2 (953) 3-1 (940) 1-0 15/16 (329)	 UWDH1614	 UWDH2014	 UWDH2414	 UWDH2614	 UWDH2814	 UWDH3014	 UWDH3214	 UWDH3614	 UWDH4014
3-6 9/16 (1081) 3-5 1/2 (1054) 3-5 (1041) 1-2 15/16 (379)	 UWDH1616	 UWDH2016	 UWDH2416	 UWDH2616	 UWDH2816	 UWDH3016	 UWDH3216	 UWDH3616	 UWDH4016
3-10 9/16 (1183) 3-9 1/2 (1156) 3-9 (1143) 1-4 15/16 (430)	 UWDH1618	 UWDH2018	 UWDH2418	 UWDH2618	 UWDH2818	 UWDH3018	 UWDH3218	 UWDH3618	 UWDH4018
4-2 9/16 (1284) 4-1 1/2 (1257) 4-1 (1245) 1-6 15/16 (481)	 UWDH1620	 UWDH2020	 UWDH2420	 UWDH2620	 UWDH2820	 UWDH3020	 UWDH3220	 UWDH3620	 UWDH4020
4-6 9/16 (1386) 4-5 1/2 (1359) 4-5 (1346) 1-8 15/16 (632)	 UWDH1622	 UWDH2022	 UWDH2422	 UWDH2622	 UWDH2822	 UWDH3022	 UWDH3222	 UWDH3622	 UWDH4022
4-10 9/16 (1488) 4-9 1/2 (1461) 4-9 (1448) 1-10 15/16 (583)	 UWDH1624	 UWDH2024	 UWDH2424	 UWDH2624	 UWDH2824	 UWDH3024	 UWDH3224	 UWDH3624	 UWDH4024
5-2 9/16 (1589) 5-1 1/2 (1562) 5-1 (1549) 2-0 15/16 (633)	 UWDH1626	 UWDH2026	 UWDH2426	 UWDH2626	 UWDH2826	 UWDH3026	 UWDH3226	 UWDH3626 E	 UWDH4026 E
5-6 9/16 (1691) 5-5 1/2 (1664) 5-5 (1651) 2-2 15/16 (684)	 UWDH1628	 UWDH2028	 UWDH2428	 UWDH2628	 UWDH2828	 UWDH3028 E	 UWDH3228 E	 UWDH3628 E	 UWDH4028 E

## MULTIPLE ASSEMBLY CONVERSIONS

ROUGH OPENING		MASONRY OPENING WITH BMC	
Width	Height	Width	Height
Add all frame sizes plus 1" (25)	Add frame sizes plus 1/2" (13)	Add all frame sizes plus 3 1/8" (79)	Add frame sizes plus 1 9/16" (39)

Details and Elevations not to scale.

E These windows meet national Egress codes for fire evacuation. Local codes may differ.

\* For more Cottage Style sizes than the sample shown, please contact your Marvin representative. Ultimate Double Hung cottage call number formula is figured in fifths. Top sash is 2/5 and bottom is 3/5.

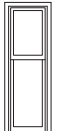








1. Standard call number; 2024
2. Add the two glass heights; 24" + 24" = 48"
3. Divide 48" by 2/5; 19-13/64"
4. Round to the nearest standard glass height; 20"
5. Subtract from total glass height; 48" - 20" = 28" The call number for the above example is: 2020/28. The top sash will be a 2020 and the bottom sash will be a 2028

Ultimate Wood Double Hung: UWDH

# WOOD DOUBLE HUNG

MO (mm)	2-0 1/2 (622)	2-4 1/2 (724)	2-8 1/2 (826)	2-10 1/2 (876)	3-0 1/2 (927)	3-2 1/2 (978)	3-4 1/2 (1029)	3-8 1/2 (1130)	4-0 1/2 (1232)
RO (mm)	1-10 3/8 (568)	2-2 3/8 (670)	2-6 3/8 (772)	2-8 3/8 (822)	2-10 3/8 (873)	3-0 3/8 (924)	3-2 3/8 (975)	3-6 3/8 (1076)	3-10 3/8 (1178)
FS (mm)	1-9 3/8 (543)	2-1 3/8 (645)	2-5 3/8 (746)	2-7 3/8 (797)	2-9 3/8 (848)	2-11 3/8 (899)	3-1 3/8 (949)	3-5 3/8 (1051)	3-9 3/8 (1153)
DLO (mm)	1-2 15/16 (379)	1-6 15/16 (481)	1-10 15/16 (583)	2-0 15/16 (633)	2-2 15/16 (684)	2-4 15/16 (735)	2-6 15/16 (786)	2-10 15/16 (887)	3-2 15/16 (989)
5-10 9/16 (1792) 5-9 1/2 (1765) 5-9 (1753) 2-4 15/16 (735)	 UWDH1630	 UWDH2030	 UWDH2430	 UWDH2630	 UWDH2830 E	 UWDH3030 E	 UWDH3230 E	 UWDH3630 E	 UWDH4030 E
6-2 9/16 (1894) 6-1 1/2 (1867) 6-1 (1854) 2-6 15/16 (786)	 UWDH1632	 UWDH2032	 UWDH2432	 UWDH2632 E	 UWDH2832 E	 UWDH3032 E	 UWDH3232 E	 UWDH3632 E	 UWDH4032 E
6-6 9/16 (1996) 6-5 1/2 (1969) 6-5 (1956) 2-8 15/16 (837)	 UWDH1634	 UWDH2034	 UWDH2434 E	 UWDH2634 E	 UWDH2834 E	 UWDH3034 E	 UWDH3234 E	 UWDH3634 E	 UWDH4034 E
6-10 9/16 (2097) 6-9 1/2 (2070) 6-9 (2057) 2-10 15/16 (887)	 UWDH1636	 UWDH2036	 UWDH2436 E	 UWDH2636 E	 UWDH2836 E	 UWDH3036 E	 UWDH3236 E	 UWDH3636 E	 UWDH4036 E
7-6 9/16 (2300) 7-5 1/2 (2273) 7-5 (2261) 3-2 15/16 (989)	 UWDH1640	 UWDH2040	 UWDH2440 E	 UWDH2640 E	 UWDH2840 E	 UWDH3040 E	 UWDH3240 E	 UWDH3640 E	 UWDH4040 E
7-10 9/16 (2402) 7-9 1/2 (2375) 7-9 (2362) 3-4 15/16 (1040)	 UWDH1642	 UWDH2042	 UWDH2442 E	 UWDH2642 E	 UWDH2842 E	 UWDH3042 E	 UWDH3242 E	 UWDH3642 E	 UWDH4042 E

## COTTAGE STYLE\*

MO (mm)	2-0 1/2 (622)	2-4 1/2 (724)	2-8 1/2 (826)	2-10 1/2 (876)	3-0 1/2 (927)	3-2 1/2 (978)	3-4 1/2 (1029)	3-8 1/2 (1130)	4-0 1/2 (1232)
RO (mm)	1-10 3/8 (568)	2-2 3/8 (670)	2-6 3/8 (772)	2-8 3/8 (822)	2-10 3/8 (873)	3-0 3/8 (924)	3-2 3/8 (975)	3-6 3/8 (1076)	3-10 3/8 (1178)
FS (mm)	1-9 3/8 (543)	2-1 3/8 (645)	2-5 3/8 (746)	2-7 3/8 (797)	2-9 3/8 (848)	2-11 3/8 (899)	3-1 3/8 (949)	3-5 3/8 (1051)	3-9 3/8 (1153)
DLO (mm)	1-2 15/16 (379)	1-6 15/16 (481)	1-10 15/16 (583)	2-0 15/16 (633)	2-2 15/16 (684)	2-4 15/16 (735)	2-6 15/16 (786)	2-10 15/16 (887)	3-2 15/16 (989)
5-10 9/16 (1792) 5-9 1/2 (1765) 5-9 (1753) 1-10 15/16 (583) / 2-10 15/16 (887)	 UWDH1624/36	 UWDH2024/36	 UWDH2424/36	 UWDH2624/36	 UWDH2824/36	 UWDH3024/36	 UWDH3224/36	 UWDH3624/36	 UWDH4024/36

Please consult your local Marvin representative for more information.  
For further details and drawings visit the 'Tools and Documents' section at Marvin.com.