

DOUBLE HUNG G2

MO (mm)	1'9 3/4 (552)	2-1 3/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)	2-11 3/4 (908)
RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)
FS (mm)	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)	2-11 1/4 (895)
DLO (mm)	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)	26 47/64 (679)	28 47/64 (730)
2-7 3/4 (806) 2-8 (813) 2-7 1/2 (800) 10 3/4 (273)	 UDHG2 1612	 UDHG2 2012	 UDHG2 2412	 UDHG2 2612	 UDHG2 2812	 UDHG2 3012
2-11 3/4 (908) 3-0 (914) 2-11 1/2 (902) 12 3/4 (324)	 UDHG2 1614	 UDHG2 2014	 UDHG2 2414	 UDHG2 2614	 UDHG2 2814	 UDHG2 3014
3-3 3/4 (1010) 3-4 (1016) 3-3 1/2 (1003) 14 3/4 (375)	 UDHG2 1616	 UDHG2 2016	 UDHG2 2416	 UDHG2 2616	 UDHG2 2816	 UDHG2 3016
3-7 3/4 (1111) 3-8 (1118) 3-7 1/2 (1105) 16 3/4 (425)	 UDHG2 1618	 UDHG2 2018	 UDHG2 2418	 UDHG2 2618	 UDHG2 2818	 UDHG2 3018
3-11 3/4 (1213) 4-0 (1219) 3-11 1/2 (1207) 18 3/4 (476)	 UDHG2 1620	 UDHG2 2020	 UDHG2 2420	 UDHG2 2620	 UDHG2 2820	 UDHG2 3020
4-3 3/4 (1314) 4-4 (1321) 4-3 1/2 (1308) 20 3/4 (527)	 UDHG2 1622	 UDHG2 2022	 UDHG2 2422	 UDHG2 2622	 UDHG2 2822	 UDHG2 3022
4-7 3/4 (1416) 4-8 (1422) 4-7 1/2 (1410) 22 3/4 (578)	 UDHG2 1624	 UDHG2 2024	 UDHG2 2424	 UDHG2 2624	 UDHG2 2824	 UDHG2 3024
4-11 3/4 (1518) 5-0 (1524) 4-11 1/2 (1511) 24 3/4 (629)	 UDHG2 1626	 UDHG2 2026	 UDHG2 2426	 UDHG2 2626	 UDHG2 2826	 UDHG2 3026
5-3 3/4 (1619) 5-4 (1626) 5-3 1/2 (1613) 26 3/4 (679)	 UDHG2 1628	 UDHG2 2028	 UDHG2 2428	 UDHG2 2628	 UDHG2 2828	 UDHG2 3028 E1

Details and Elevations not to scale.

- E Meets national egress code with interior shade, retractable screen or both.
- E1 The inclusion of an interior shade or a retractable screen will affect net clear opening resulting in the unit no longer meeting national egress code.
- E2 The inclusion of both interior shade and retractable screen will affect net clear opening resulting in the unit no longer meeting national egress code.

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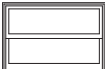
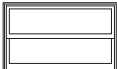
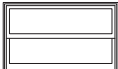
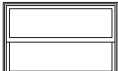
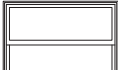
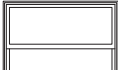
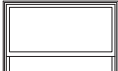
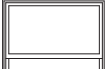
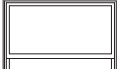
For further details and drawings visit the 'Tools and Documents' section at Marvin.com.

MULTIPLE ASSEMBLY CONVERSIONS

ROUGH OPENING		MASONRY OPENING WITHOUT BMC	
Width	Height	Width	Height
Add all frame sizes plus 1" (25)	Add frame sizes plus 1/2" (13)	Add all frame sizes plus 1/2" (13)	Add frame sizes plus 1/4" (6)

Ultimate Double Hung G2: UDHG2

DOUBLE HUNG G2

MO (mm)	3-1 3/4 (959)	3-5 3/4 (1060)	3-9 3/4 (1162)	4-1 3/4 (1264)	4-5 3/4 (1365)	4-11 3/4 (1518)	5-5 3/4 (1670)
RO (mm)	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-0 1/4 (1530)	5-6 1/4 (1683)
FS (mm)	3-1 1/4 (946)	3-5 1/4 (1048)	3-9 1/4 (1149)	4-1 1/4 (1251)	4-5 1/4 (1353)	4-11 1/4 (1505)	5-5 1/4 (1657)
DLO (mm)	30 47/64 (781)	34 47/64 (882)	38 47/64 (984)	42 47/64 (1085)	46 47/64 (984)	52 47/64 (984)	58 47/64 (1492)
2-7 3/4 (806) 2-8 (813) 2-7 1/2 (800) 10 3/4 (273)	 UDHG2 3212	 UDHG2 3612	 UDHG2 4012	 UDHG2 4412	 UDHG2 4812	 UDHG2 5412	 UDHG2 6012
2-11 3/4 (908) 3-0 (914) 2-11 1/2 (902) 12 3/4 (324)	 UDHG2 3214	 UDHG2 3614	 UDHG2 4014	 UDHG2 4414	 UDHG2 4814	 UDHG2 5414	 UDHG2 6014
3-3 3/4 (1010) 3-4 (1016) 3-3 1/2 (1003) 14 3/4 (375)	 UDHG2 3216	 UDHG2 3616	 UDHG2 4016	 UDHG2 4416	 UDHG2 4816	 UDHG2 5416	 UDHG2 6016
3-7 3/4 (1111) 3-8 (1118) 3-7 1/2 (1105) 16 3/4 (425)	 UDHG2 3218	 UDHG2 3618	 UDHG2 4018	 UDHG2 4418	 UDHG2 4818	 UDHG2 5418	 UDHG2 6018
3-11 3/4 (1213) 4-0 (1219) 3-11 1/2 (1207) 18 3/4 (476)	 UDHG2 3220	 UDHG2 3620	 UDHG2 4020	 UDHG2 4420	 UDHG2 4820	 UDHG2 5420	 UDHG2 6020
4-3 3/4 (1314) 4-4 (1321) 4-3 1/2 (1308) 20 3/4 (527)	 UDHG2 3222	 UDHG2 3622	 UDHG2 4022	 UDHG2 4422	 UDHG2 4822	 UDHG2 5422	 UDHG2 6022
4-7 3/4 (1416) 4-8 (1422) 4-7 1/2 (1410) 22 3/4 (578)	 UDHG2 3224	 UDHG2 3624	 UDHG2 4024	 UDHG2 4424	 UDHG2 4824	 UDHG2 5424	 UDHG2 6024
4-11 3/4 (1518) 5-0 (1524) 4-11 1/2 (1511) 24 3/4 (629)	 UDHG2 3226 E1	 UDHG2 3626 E1	 UDHG2 4026 E1	 UDHG2 4426 E1	 UDHG2 4826 E1	 UDHG2 5426 E1	 UDHG2 6026 E1
5-3 3/4 (1619) 5-4 (1626) 5-3 1/2 (1613) 26 3/4 (679)	 UDHG2 3228 E2	 UDHG2 3628 E2	 UDHG2 4028 E2	 UDHG2 4428 E2	 UDHG2 4828 E2	 UDHG2 5428 E2	 UDHG2 6028 E2

Details and Elevations not to scale.

E Meets national egress code with interior shade, retractable screen or both.

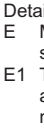
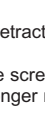
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DLO (mm)	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)	26 47/64 (679)	28 47/64 (730)
5-7 3/4 (1721)						
5-8 (1727)	UDHG2 1630	UDHG2 2030	UDHG2 2430	UDHG2 2630	UDHG2 2830 E1	UDHG2 3030 E2
5-7 1/2 (1715)						
28 3/4 (730)	UDHG2 1632	UDHG2 2032	UDHG2 2432	UDHG2 2632 E1	UDHG2 2832 E2	UDHG2 3032 E
5-11 3/4 (1822)						
6-0 (1829)	UDHG2 1634	UDHG2 2034	UDHG2 2434 E1	UDHG2 2634 E2	UDHG2 2834 E	UDHG2 3034 E
5-11 1/2 (1816)						
30 3/4 (781)	UDHG2 1636	UDHG2 2036	UDHG2 2436 E2	UDHG2 2636 E	UDHG2 2836 E	UDHG2 3036 E
6-3 3/4 (1924)						
6-4 (1930)	UDHG2 1640	UDHG2 2040 E1	UDHG2 2440 E	UDHG2 2640 E	UDHG2 2840 E	UDHG2 3040 E
6-7 1/2 (1918)						
32 3/4 (832)	UDHG2 1642	UDHG2 2042 E2	UDHG2 2442 E	UDHG2 2642 E	UDHG2 2842 E	UDHG2 3042 E
6-7 3/4 (2026)						
6-8 (2032)	UDHG2 1644	UDHG2 2044 E2	UDHG2 2444 E	UDHG2 2644 E	UDHG2 2844 E	UDHG2 3044 E
6-7 1/2 (2019)						
34 3/4 (883)	UDHG2 1646	UDHG2 2046 E2	UDHG2 2446 E	UDHG2 2646 E	UDHG2 2846 E	UDHG2 3046 E
7-3 3/4 (2229)						
7-4 (2235)	UDHG2 1648	UDHG2 2048 E2	UDHG2 2448 E	UDHG2 2648 E	UDHG2 2848 E	UDHG2 3048 E
7-3 1/2 (2223)						
38 3/4 (984)	UDHG2 1650	UDHG2 2050 E2	UDHG2 2450 E	UDHG2 2650 E	UDHG2 2850 E	UDHG2 3050 E
7-7 3/4 (2330)						
7-8 (2337)	UDHG2 1652	UDHG2 2052 E2	UDHG2 2452 E	UDHG2 2652 E	UDHG2 2852 E	UDHG2 3052 E
7-7 1/2 (2324)						
40 3/4 (1035)	UDHG2 1654	UDHG2 2054 E2	UDHG2 2454 E	UDHG2 2654 E	UDHG2 2854 E	UDHG2 3054 E

x2 Muller

Upper level

Details and Elevations not to scale.

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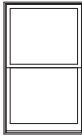
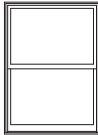
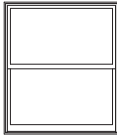
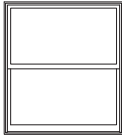
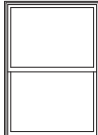
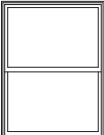
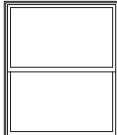
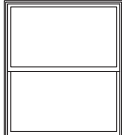
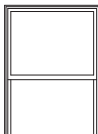
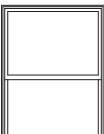
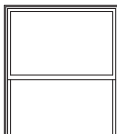
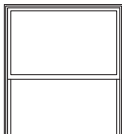
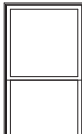
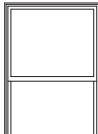
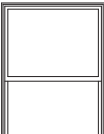
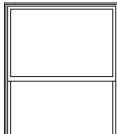
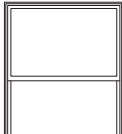
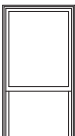
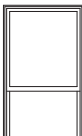
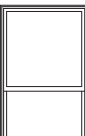
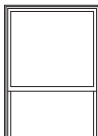
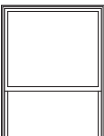
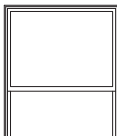
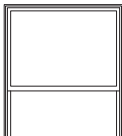
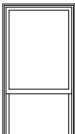
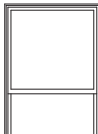
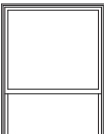
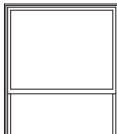
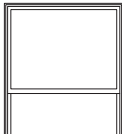
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5-7 3/4 (1721)							
5-8 (1727)	UDHG2 3230 E	UDHG2 3630 E	UDHG2 4030 E	UDHG2 4430 E	UDHG2 4830 E	UDHG2 5430 E	UDHG2 6030 E
5-7 1/2 (1715)							
28 3/4 (730)	UDHG2 3232 E	UDHG2 3632 E	UDHG2 4032 E	UDHG2 4432 E	UDHG2 4832 E	UDHG2 5432 E	UDHG2 6032 E
5-11 3/4 (1822)							
6-0 (1828)	UDHG2 3234 E	UDHG2 3634 E	UDHG2 4034 E	UDHG2 4434 E	UDHG2 4834 E	UDHG2 5434 E	UDHG2 6034 E
6-4 (1828)							
5-11 1/2 (1816)	UDHG2 3236 E	UDHG2 3636 E	UDHG2 4036 E	UDHG2 4436 E	UDHG2 4836 E	UDHG2 5436 E	UDHG2 6036 E
30 3/4 (781)							
6-3 3/4 (1924)	UDHG2 3240 E	UDHG2 3640 E	UDHG2 4040 E	UDHG2 4440 E	UDHG2 4840 E	UDHG2 5440 E	UDHG2 6040 E
6-4 (1930)							
6-3 1/2 (1918)	UDHG2 3242 E	UDHG2 3642 E	UDHG2 4042 E	UDHG2 4442 E	UDHG2 4842 E	UDHG2 5442 E	UDHG2 6042 E
32 3/4 (832)							
6-7 3/4 (1924)	UDHG2 3244 E	UDHG2 3644 E	UDHG2 4044 E	UDHG2 4444 E	UDHG2 4844 E	UDHG2 5444 E	UDHG2 6044 E
6-7 3/4 (2026)							
6-8 (2032)	UDHG2 3246 E	UDHG2 3646 E	UDHG2 4046 E	UDHG2 4446 E	UDHG2 4846 E	UDHG2 5446 E	UDHG2 6046 E
6-3 1/2 (2019)							
34 3/4 (883)	UDHG2 3248 E	UDHG2 3648 E	UDHG2 4048 E	UDHG2 4448 E	UDHG2 4848 E	UDHG2 5448 E	UDHG2 6048 E
7-3 3/4 (2229)							
7-4 (2235)	UDHG2 3250 E	UDHG2 3650 E	UDHG2 4050 E	UDHG2 4450 E	UDHG2 4850 E	UDHG2 5450 E	UDHG2 6050 E
7-3 1/2 (2223)							
38 3/4 (984)	UDHG2 3252 E	UDHG2 3652 E	UDHG2 4052 E	UDHG2 4452 E	UDHG2 4852 E	UDHG2 5452 E	UDHG2 6052 E
7-7 3/4 (2330)							
7-8 (2337)	UDHG2 3254 E	UDHG2 3654 E	UDHG2 4054 E	UDHG2 4454 E	UDHG2 4854 E	UDHG2 5454 E	UDHG2 6054 E
7-7 1/2 (2324)							
40 3/4 (1035)	UDHG2 3256 E	UDHG2 3656 E	UDHG2 4056 E	UDHG2 4456 E	UDHG2 4856 E	UDHG2 5456 E	UDHG2 6056 E

Details and Elevations not to scale.
E These windows meet national Egress codes for fire evacuation.
Local codes may differ.
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Tools and Documents' section at Marvin.com.

DOUBLE HUNG G2

MO (mm)	1-9 3/4 (552)	2-1 3/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)	2-11 3/4 (908)
RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)
FS (mm)	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)	2-11 1/4 (895)
DLO (mm)	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)	26 47/64 (679)	28 47/64 (730)
8-11 3/4 (2737) 9-0 (2743) 8-11 1/2 (2731) 48 3/4 (1236)						
	UDHG2 1650	UDHG2 2050	UDHG2 2450 E	UDHG2 2650 E	UDHG2 2850 E	UDHG2 3050 E
9-11 3/4 (3042) 10-0 (3048) 9-11 1/2 (3035) 54 3/4 (1391)						
	UDHG2 1656	UDHG2 2056	UDHG2 2456 E	UDHG2 2656 E	UDHG2 2856 E	UDHG2 3056 E
10-7 3/4 (3245) 10-8 (3251) 10-7 1/2 (3239) 58 3/4 (1492)						
	UDHG2 1660	UDHG2 2060	UDHG2 2460 E	UDHG2 2660 E	UDHG2 2860 E	UDHG2 3060 E

COTTAGE STYLE*

MO (mm)	1-9 3/4 (552)	2-1 3/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)
RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)
FS (mm)	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)
DLO (mm)	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)	26 47/64 (679)
5-7 3/4 (1721) 5-8 (1727) 5-7 1/2 (1715) 22 3/4 (578)/34 3/4 (883)					
	UDHG2 1624/36	UDHG2 2024/36	UDHG2 2424/36	UDHG2 2624/36	UDHG2 2824/36

* Cottage Formula:

1. Select the standard size double hung that will fit the rough opening
2. Subtract 7 1/2" (191) from the frame size height to get total glass height
3. Multiply the total glass height by the desired top sash ratio, this is the top sash glass height
4. Subtract the top sash height from the total glass height, this is the bottom sash glass height

EXAMPLE:

1. UDHG2 with a 0.400 top sash ration ($\frac{2}{5} - \frac{3}{5}$) cottage style. If the rough opening is 2'-2 1/4" x 4' (RO for a CUDH 2020) the frame size will be 25 1/4" x 47 1/2"
2. 47 1/2" - 7 1/2" = 40"
3. 40" multiplied by 0.400 ($\frac{2}{5}$) = 16"
4. 40" - 16" = 24"
5. The top sash will be a 2016 and the bottom sash will be a 2024. The call number for the example is: UDHG2 2016-24