

Double Hung Series Product Selection Guide

<http://www.peerlessproducts.com/>

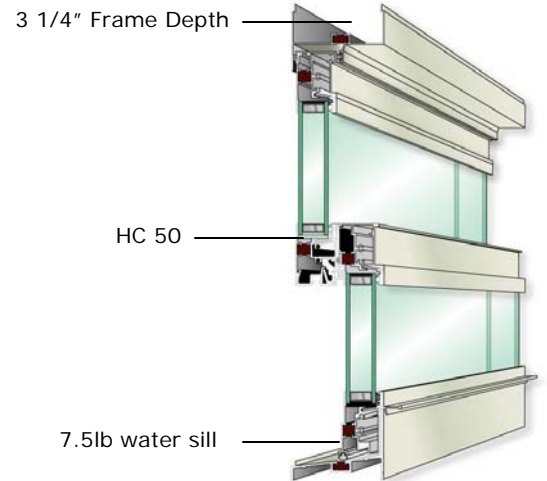
Model Number	Description	Frame Depth	Typical Wall Thickness	AAMA Rating	Structural (PSF)	AIR (CFM/SF) 0.3 @ 6.24 0.1 @ 1.57	Water (PSF)	U-Value	STC	Blast	Dual Glazed w/ Blinds	Grid Options	Sash Weight	Test Size
4320	Double Hung (Tilt)	3 1/4"	.062	H-HC 50	75	.3	7.5	0.386	31-35	No	No	A-I-T	80	60" x 99"
4340	Double Hung (Tilt)	4"	.062	H-HC 50	75	.3	7.5	0.394	31-35	No	No	A-I-T	80	60" x 99"
9350	Double Hung (Side Load)	4"	.062	H-AW 70	105	.3	12.0	0.452	33-34	Yes	Yes	A-I-T	140	60" x 99"
4330	Double Hung (Tilt)	3 1/4"	.062	H-AW 50	75	.3	10.0	0.388	31-35	No	No	A-I-T	80	60" x 96"
4350	Double Hung (Tilt)	4"	.062	H-AW 50	75	.3	10.0	0.396	31-35	No	No	A-I-T	80	60" x 96"

* All thermal values were performed with 1" insulated glass consisting of 1/4" TIAC40 (Low-E #2) annealed / Argon with TGI Spacer/ 1/4" Clear annealed. All thermal tests performed using in house software recognized by NFRC.

A=Applied I=Internal T=True

Features:

- AAMA standard tested and certified
- Structural thermal breaks
- Coped corner construction
- 1" sealed insulating glass per ASTM E 2190-02
- Aluminum bead glazed
- Operable hung sash tilt
- Stainless steel pivot bars
- Positive interlocks
- Double fin-type weather-stripping
- Full-width lift handle both Sash & Cast handle top sash
- Spiral sash balances
- Self-aligning high-security cam-type sash locks
- Vent Screens with charcoal colored fiberglass mesh
- Self-Stacked mullionless mating with other 4000 series windows
- Manufactured on 1/8" increments
- 1/2" extended sill leg hung only (equal leg on sliders and fixed)
- Kynar 2605 finish in 25 standard colors

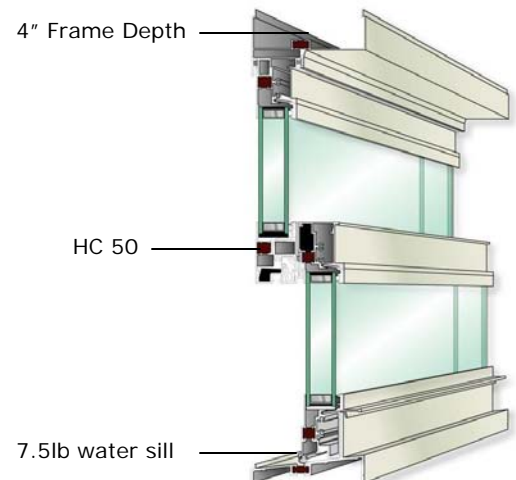


4320

Options:

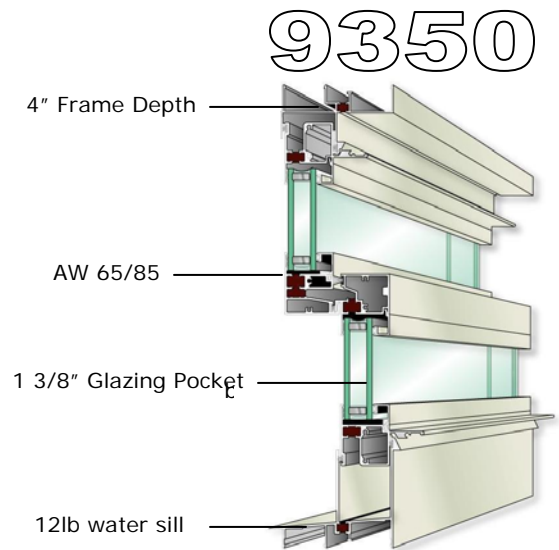
- Between-the-glass, exterior-applied or true muntins
- Aluminum or solar screen mesh
- Tilt sash make window cleaning easy
- All commercially available glazing materials
- Limited sash travel
- Pole ring, cast bronze, automatic or keyed sash locks
- Single glazing available
- Standard and custom panning
- Receptor, mullion and subsill systems
- Factory-provided equal length sill legs when needed for stacking or use with sub-sill or existing horizontal sill of opening
- Class 5 reduced lift force balances (Ultra-Lift)
- Various high performance modifications
- Custom Colors, 2603 Fluorocryl, 2604 Kynar and anodized finishes

4340



Features:

- AAMA standard Tested and Certified
- Side load design
- Structural thermal breaks
- Coped corner screw spline design
- Positive meeting rail interlock
- Full width lift and pull handles
- Equal length master frame legs
- Poured and debridged thermal break
- Thermal break debridging is not exposed
- Double fin type weather stripping
- 1" sealed insulating glass per ASTM E 2190-02
- Aluminum glazing beads with dual duroator bulb
- Class 5 reduced lift (Ultra-Lift) specifications or sash weight
- Manufactured on 1/8" increments
- Full charcoal colored fiberglass mesh screens
- Kynar 2605 finish in 25 standard colors



Options:

- Snap-in front flange panning legs with 1 1/4" extensions for head, jamb, sill or all locations
- Snap-in nailing fins (field applied)
- Slide on strap anchors with 1 1/4" extension beyond interior face of the window
- Integral mulling of window types in same master frame
- All commercially available glazing materials
- 1 3/8" glass pocket for glazing exterior applied grids and maintains 1" insulating glass
- Single glazing
- Between-the-glass muntins
- Exterior-applied muntins in 4 different widths
- True muntins 2 7/16" sightline (all models)
- 1/4", 1", 1 3/8" 1 1/2" insulated panels
- Split sash designs with dual glazing to accommodate polycarbonate glazing
- Split sash designs to accommodate 5/8" depth between glass blinds and interior lift out panel design
- Cast Bronze or extruded anti-drift pole operated sash lock at head (double hung)
- Cast bronze auto sill locks or extruded auto sill locks
- Limited sash travel
- Maintenance-only cast bronze "allen keyed" security locks at meeting rail
- Various structural mullions for joining multiple windows in an opening
- Receptor Systems
- Standard and custom panning systems
- Interior trim systems
- Sub-sills
- Project specific custom extrusions
- Aluminum, stainless steel or solar screen mesh
- Cast white bronze cam type locking handles
- Custom Colors, 2603 Fluorocryl, 2604 Kynar and anodized finishes

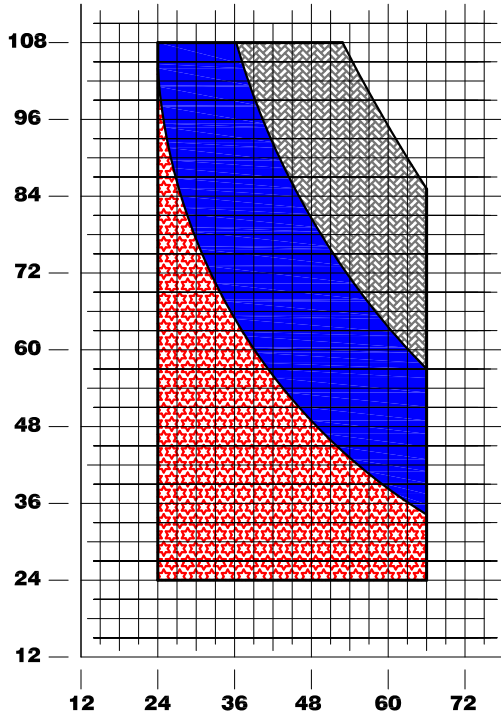
Hardware & Glazing Tables

<u>Locking Hardware</u>	4320/4330	4340/4350	9350
Extruded Auto Head Latch	N/A	N/A	X
White Bronze Drift Latch	O	O	N/A
Zamac Black Sweep Lock	X	X	N/A
Zamac Keyed Black Sweep	O	O	N/A
White Bronze Sweep Lock	O	O	X
White Bronze Pole Ring Sweep Lock	O	O	O
Extruded Auto Sill Locks	N/A	N/A	O
White Bronze Auto Sill Locks	O	O	N/A
<u>Operating Hardware</u>			
Spiral Balances	X	X	N/A
Block & Tackle Balances	N/A	N/A	N/A
Ultra Lift Balances (Class V)	O	O	X

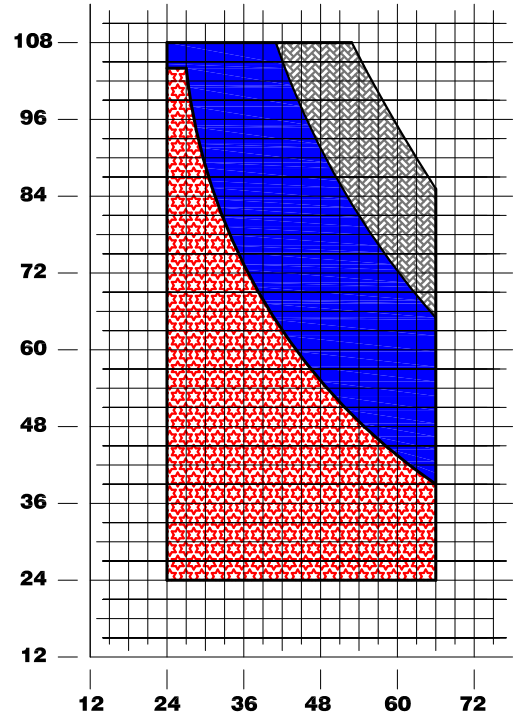
X = Standard
O = Optional
N/A = Not Available

<u>Single Glazed / IGU's / Panels</u>	4320/4330	4340/4350	9350
1/8" - 1/4"	X	X	X
5/8"			X
5/8" w/ Ext Grid	X	X	X
5/8" w/ Int/Ext Grid			X
1"	X	X	X
1" w/ Ext Grid			X
1 3/8"			X
<u>Dual Glazed</u>			
1/8" - 1/4" Int/Ext			X

1/4"-1/4" IG GLASS



3/16"-3/16" IG GLASS

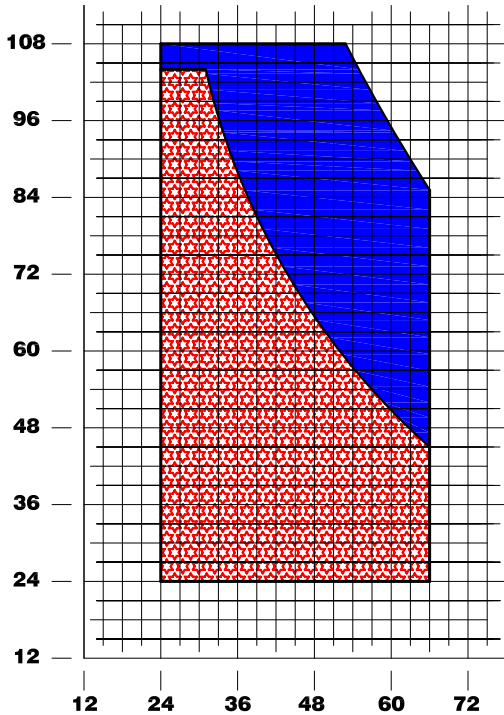


ACCEPTABLE AREA
FOR SUPER-LIFT BALANCES ONLY

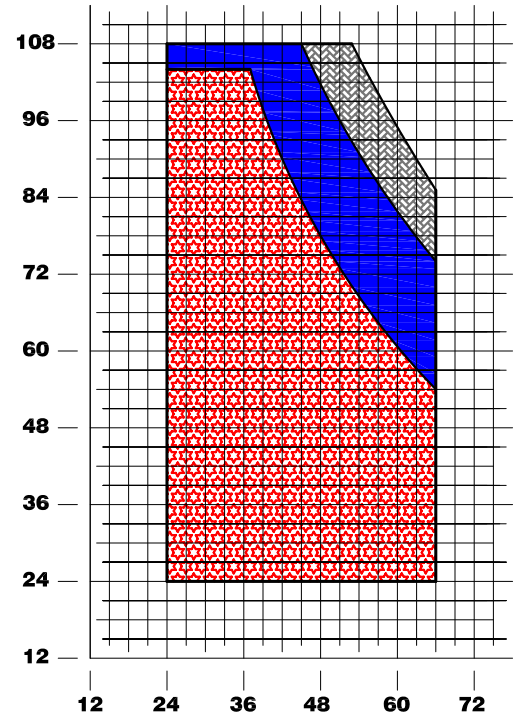
ACCEPTABLE AREA
FOR UL BALANCES ONLY

ACCEPTABLE AREA
FOR SPIRAL AND UL BALANCES

5/32"-5/32" IG GLASS



1/8"-1/8" IG GLASS



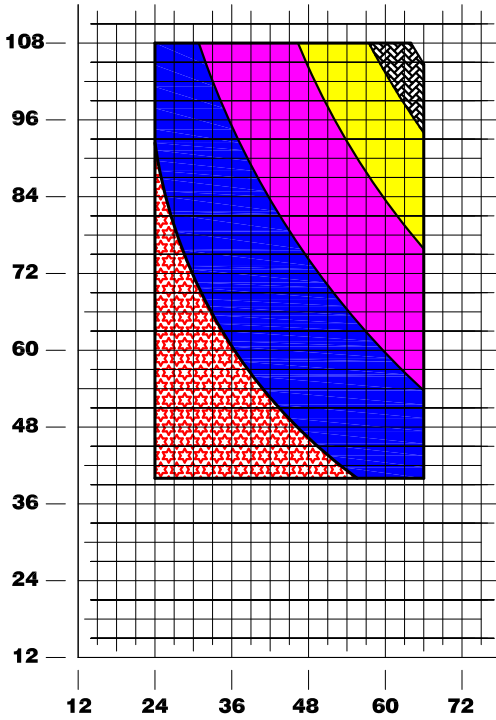
· THESE GRAPHS ARE BASED ON THE WEIGHT CAPABILITIES OF OUR BALANCES,
 THE SQUARE FOOTAGE OF GLASS, AND THE MAXIMUM WEIGHT OF A TOTAL WINDOW.

· THE MAX. SASH WEIGHT OF OUR BALANCES ARE AS FOLLOWS:
 ~ SPIRAL - 50 LBS
 ~ ULTRA LIFTS - 80 LBS
 ~ SUPER LIFTS - 100 LBS

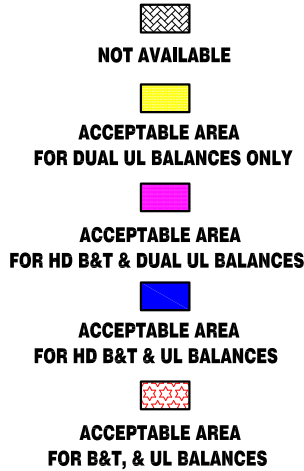
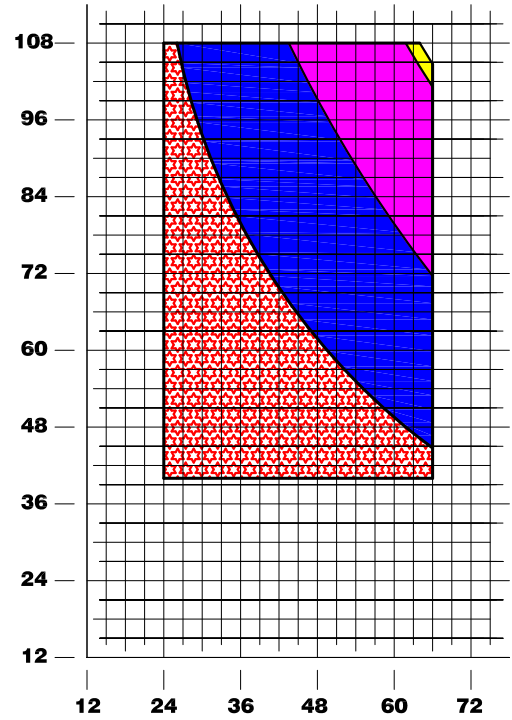
· THE MAX WEIGHT OF A TOTAL WINDOW IS 240 LBS
 · THE MAX. SQUARE FOOTAGE OF 1/8" IG GLASS IS 15 SQUARE FEET PER SASH

These Graphs are Based on Equal Lite Configurations.

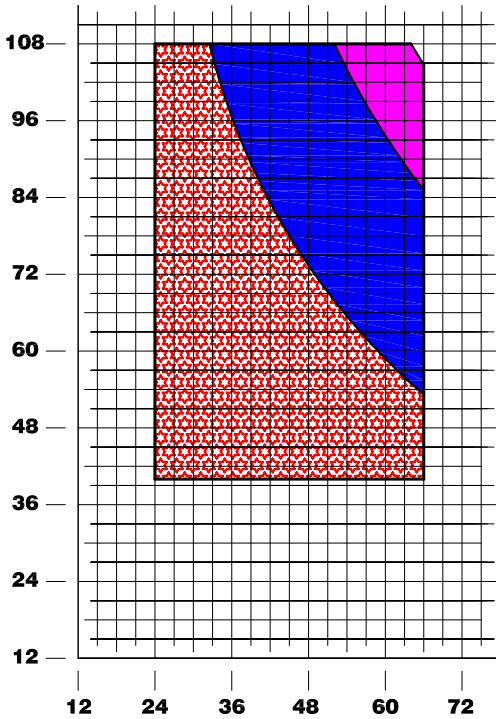
1/4"-1/4" IG GLASS



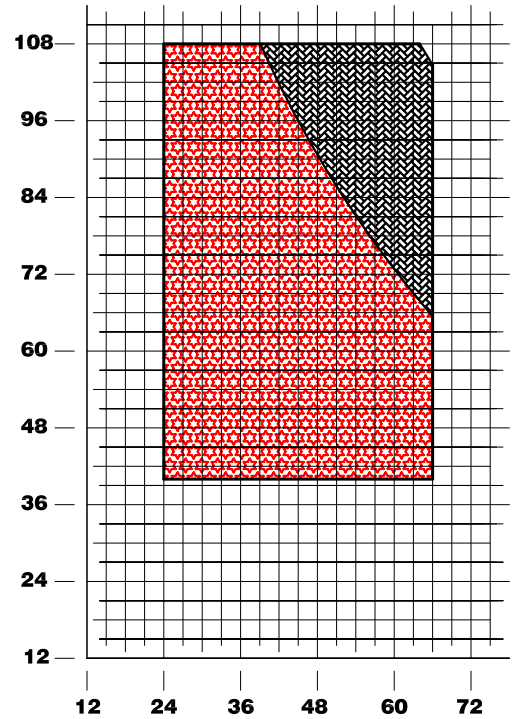
3/16"-3/16" IG GLASS



5/32"-5/32" IG GLASS



1/8"-1/8" IG GLASS



• THESE GRAPHS ARE BASED ON THE WEIGHT CAPABILITIES OF OUR BALANCES, THE SQUARE FOOTAGE OF GLASS, AND THE MAXIMUM WEIGHT OF A TOTAL WINDOW.

• THE MAX. SASH WEIGHT OF OUR BALANCES ARE AS FOLLOWS:

- ~ BLOCK & TACKLE - 50 LBS
- ~ ULTRA LIFTS - 80 LBS
- ~ HD BLOCK & TACKLE - 100 LBS
- ~ DUAL ULTRA LIFTS - 100 LBS

• THE MAX WEIGHT OF A TOTAL WINDOW IS 240 LBS
• THE MAX. SQUARE FOOTAGE OF 1/8" IG GLASS IS 15 SQUARE FEET PER SASH

These Graphs are Based on Equal Lite Configurations.

Egress Formulas

Double Hung Windows	Width Minus	Height / 2 Minus	Oriel Window
4320	3.875	7.625	7.8125
4340	3.875	7.625	7.8125
9350 UL	5.8125	14.250	13.5

* Standard Frames Used for All Calculations

