glassSTACKWALL > Motion
Specifications

**glassSTACKWALL > MOTION (STAK-MT)**
glassSTACKWALL>MOTION is an innovative system maximizes transparency while maximizing sound isolation (Rw from 38dB to 51dB - 46dB and 53dB glazing) and improves operating speed with the automation of the locking and drop-seal mechanisms activated when the panels are pushed next to each other. The system features a flush surface design available in both structurally-glazed double and opaque wall options that give the panels a modern, minimal design that can be endlessly designed and customized. The components are made from aluminum frames and two tempered glass sheets or two MDF panels (for non-glazed elements). Available glass finishes include CARVART’s Pure, a full range of translucencies, back-painted and a wide range of RAL colors or in MDF panels.

**VALUE-ADDED BENEFITS**
- Semi-automatic hardware increases speed of operation and precision of seals
- Wide-range of acoustic and privacy options, seal details and panel connections
- Minimal look with thin, aluminum profiles
- Optional pre-engineered top structure support solution for taller spaces above finish ceiling
- System durability and long-term integrity
- Turnkey integrated project services

**APPLICATIONS**
- Space division between offices, conference rooms or flex-spaces.

**CONFIGURATIONS**
- Stacking Glass or MDF + HPL panels, Straight runs, corner applications and fixed panels for wide openings.

**GLASS TYPES**
- Tempered monolithic, Laminated, Pure, Back-painted (any RAL color)

**SURFACES**
- Smooth glass.

**GLASS THICKNESS**
- Accommodates 5/16", 3/8" and 1/2" nominal.

**MDF + HPL FINISHES**
- • HPL Colors
- • HPL Wood Finishes
- • HPL Colored Textures
- • HPL Metallic
- • HPL Textures/Patterns/Fabrics

**HARDWARE DIMENSIONS**
- Glass Panel Thicknesses: 3-13/16", 4", 4-1/4"
- HPL Panel Thickness: 4" (specify acoustic insulation. Consult CARVART pre-construction team for project specific weights and loads.)

**HARDWARE MATERIALS/FINISHES**
- Refer to Finish Chart for standard colors
- Satin anodized aluminum and selection of RAL colors

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<tr>
<th>PANEL WIDTHS (OVERALL MINIMUM/ MAXIMUM)</th>
<th>ACUSTIC PROPERTIES</th>
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| Maximum run lengths (operable or fixed panels): Unlimited. | • MDF + HPL: 41dB [Rw]
| HEIGHTS (GLASS PANEL MAXIMUM) | • MDF + HPL: 51dB [Rw]
| • 125-15/16" (glass thickness @ 5/16") | • Glass: 46dB [Rw] (no acoustic interlayer)
| • 137-3/4" (glass thickness @ 3/8") | • Glass: 53dB [Rw] (w/ acoustic PVB interlayer)
| • 157-3/8" (glass thickness @ 1/2") | ELECTRICAL/POWER REQUIREMENTS | • Supply: 110-240 AC - 50/60 Hz
| | • System: 24V DC/48V DC
| | • Total power used: 200W
| PANEL HEIGHTS (OPAQUE PANEL MAX. HEIGHTS) | ADD-ON DESIGN OPTIONS |
| • 165-5/16" (MDF+HPL) | • Multi-directional/corner/angled configurations
| MOUNTING/ANCHORING | Top-structure/suspension sytem available on request
| CARVART offers several types of structural suspension assemblies and coordination services to advise on best practices for supporting the wall system. | Range of acoustic isolation levels
| WEIGHT & STRUCTURAL LOADS | CUSTOMIZATION |
| Panels range in weight from 6lbs - 26lbs per square foot. | All opening sizes, finishes, configurations and panels types are custom per project.
| Weight is dependent on panel type, glass type and specified acoustic insulation. Consult CARVART pre-construction team for project specific weights and loads. | INSTALLATION |
| System is top-hung and requires trained industry professional to ensure installation meets quality | HARDWARE WARRANTY |
| and safety standards. Top supporting suspension structure provided by CARVART is pre-engineered and anchoring and connections to structure/substrate must be coordinated by structural engineer. All panels come pre-assembled. Top track and structure above system must be cut-to-size on site and assembled. CARVART offers on-site and remote training for all installers new to the product or requiring a refresher. Certain glass and hardware components/finishes are only available as “knock-down” products and require site-assembly. Consult a CARVART agent for information on available pre-assembled components. | 1-year limited warranty.

For more info, contact CARVART Sales Advisory Team at quotes@carvart.com or call us at 212 675 0030.
clean, simple lines + clear glass provide an open canvas... perfect interior + exterior view created w/ glassSTACKWALL > Motion.
Details

**TYPICAL FRONT ELEVATION**

- **RECESSED TOP TRACK**
- **FINISHED CEILING BY OTHER**
- **STRUCTURAL GLAZED PAINTED BORDER**

**TYPICAL HORIZONTAL SECTION**

- **FINISHED WALL BY OTHER**
- **BACK PAINTED GLASS**
- **STRUCTURALLY-GLAZED BACK PAINTED BORDER**

**TYPICAL VERTICAL SECTION**

- **ANCHORING AND STRUCTURE ABOVE BY OTHER**
- **STEEL SUPPORT STRUCTURE ABOVE OPERABLE SYSTEM**
- **FINISHED CEILING BY OTHER**
- **RECESSED TOP TRACK (TRACK DETERMINED BY PANEL SIZE / WEIGHT)**
- **SEMI-AUTOMATIC MOTOR RETRACTS AND EXTENDS SEALS WHEN PANELS ARE PLACED ADJACENT TO EACH OTHER**
- **STRUCTURALLY-GLAZED BACK PAINTED BORDER**
- **CARVART GLASS; WIDE RANGE OF FINISHES, PATTERNS AND LAMINATED GLASS AVAILABLE**
- **SEMI-AUTOMATIC MOTOR RETRACTS AND EXTENDS DROP SEALS WHEN PANELS ARE PLACED ADJACENT TO EACH OTHER**

- **FINISH FLOORING BY OTHER**
- **ACOUSTIC GASKETS**

- **ELECTRONIC CONTROL TO OPERATE TELESCOPIC PIECE ON OPERABLE PANEL @ WALL**
- **ELECTRONIC CONTROL TO OPERATE TELESCOPIC PIECE ON OPERABLE PANEL @ WALL**
- **OPERABLE TELESCOPIC PANEL (BACK PAINTED GLASS)**

- **FINISHES, PATTERNS AND LAMINATED GLASS AVAILABLE**
- **ELECTRONIC CONTROLLER**
- **TELESCOPIC PIECE (STARTS PARKING OPERATION)**

- **MAX HEIGHT: 157-3/8”**
- **ANCHORING AND STRUCTURE ABOVE BY OTHER**
- **FINISHED CEILING BY OTHER**
- **RECESSED TOP TRACK (TRACK DETERMINED BY PANEL SIZE / WEIGHT)**

- **21¼” [52]**
- **49” MAX WIDTH**
- **257/6” [67] @ FIXED JAMB**
- **67 8” [174] @ STRUCTURALLY-GLAZED BAND**
- **25 8” [67] @ FIXED JAMB**
- **21 16” [52]” MAX. HEIGHT**

- **STRUCTURALLY-GLAZED BACK PAINTED BORDER**

- **CONT. VERTICAL BLOCKING BY OTHER**
- **CONT. VERTICAL BLOCKING BY OTHER**
- **FINISHED WALL BY OTHER**
- **STRUCTURALLY-GLAZED BACK PAINTED BORDER**

- **CARVART GLASS; WIDE RANGE OF FINISHES, PATTERNS AND LAMINATED GLASS AVAILABLE**
Details

Panel Isometric

- Hydraulic Mechanism
- Drop Seal at Header
- Magnetic Activating Mechanism
"bold, yet simple color blocks grace the white backdrop...

perfect setting to highlight the intriguing glass STACKWALL > Motion."
Options: Structural support
(above CARVART systems)

- Pre-engineered, easy-to-install top support can be coordinated and provided for additional cost.
- Ideal for tall spaces where super-structure is far above finish ceiling.
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(above glassSTACKWALL>MOTION systems)

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**glassSTACKWALL>100**
- LINEAR / STRAIGHT-RUN CONFIGURATIONS ONLY
- ACOUSTIC PERFORMANCE
- SINGLE-TROLLEY SYSTEM
- MAX HEIGHT: 11'-5-3/4"

**glassSTACKWALL>800**
- MULTIDIRECTIONAL / CORNER-RUN CONFIGURATIONS
- ACOUSTIC PERFORMANCE
- TWO-TROLLEY SYSTEM
- MAX HEIGHT: 21'-3-7/8"

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- MULTIDIRECTIONAL / CORNER-RUN 'CONFIGURATIONS
- TWO-TROLLEY SYSTEM
- MAX HEIGHT: 21'-3-7/8"
Options: Parking Configurations

PG-07
TYPICAL PARKING FOR STRAIGHT RUN

PG-08
TYPICAL PARKING FOR MULTI-DIRECTIONAL (2AL1)

PG-09
OFFSET PARKING WITH PARALLEL TRACK (2PAR)

PG-10
SPLIT PARKING (1K-05)

PG-11
PARKING WITH FIXED DOORPANEL (1BAT)

PG-12
OFFSET TELESCOPIC PANEL PARKING (1K-02)

PG-13
REMOTE PARKING (1K-03)

PG-14
REMOTE SPLIT (1K-04)

PG-15
ANGLED PANEL PARKING (1K-01)