



Panora-View -Detailed Technical Catalogue-

MOTION IN ARCHITECTURE



LIBART



3589



Libart designs and fabricates kinetic architectural systems for discerning architects and professional clients from all around the world. Libart's aluminum and glass retractable structures are innovative, functional and aesthetically attractive. They are used in restaurants, cafes, hotels, commercial and residential pools, patios and industrial facilities.

Our commitment to research, design, engineering and manufacturing is based on providing our customers value added retractable structures that offer flexible living and working environments for any type of weather.

Libart has been serving the architectural industry with operable solutions for over 20 years, with manufacturing centers located in 3 continents and dealers in more than 25 countries.

www.libart.com

WINDOWS & DOORS / PANORA VIEW

View systems are large span motorized, vertical retracting (guillotine action) door and window systems. Manufactured from electrostatically painted aluminum profiles, structural system and glazing frames are designed to provide excellent thermal insulation. All models use insulated glass with interlocking and thermally broken aluminum framing. There are no vertical aluminum members, thus proving an unobstructed view.

Safety was the number one priority in the View's design due to very large and heavy glass panes. To achieve this level of safety and maintenance-free operation, Libart designed a special screw drive system with a built-in fail-safe operation (Our competitors utilize cables, belts or chain systems with counter weights that require frequent maintenance and can create potentially dangerous situations if broken).



Vertical Sliding, Window & Doors (Guillotine Action), Automatic

- Max Width : 4.3m (14')
- Max Height : 4m (13')
- Operation : Motorized
- Glazing : Insulated Glass



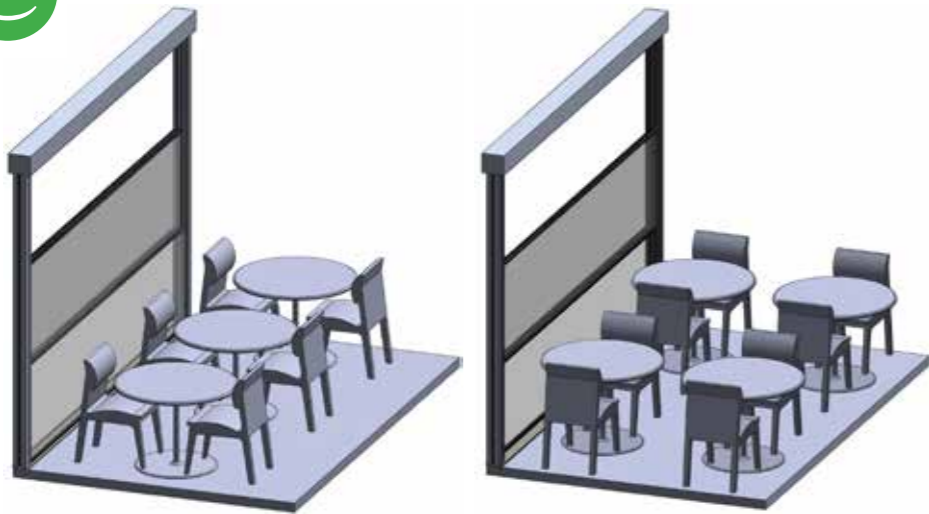
View Solutions Of Libart Panora-View Windows



No need to sacrifice your panoramic view...



Usable Space Solutions Of Libart Panora-View Windows

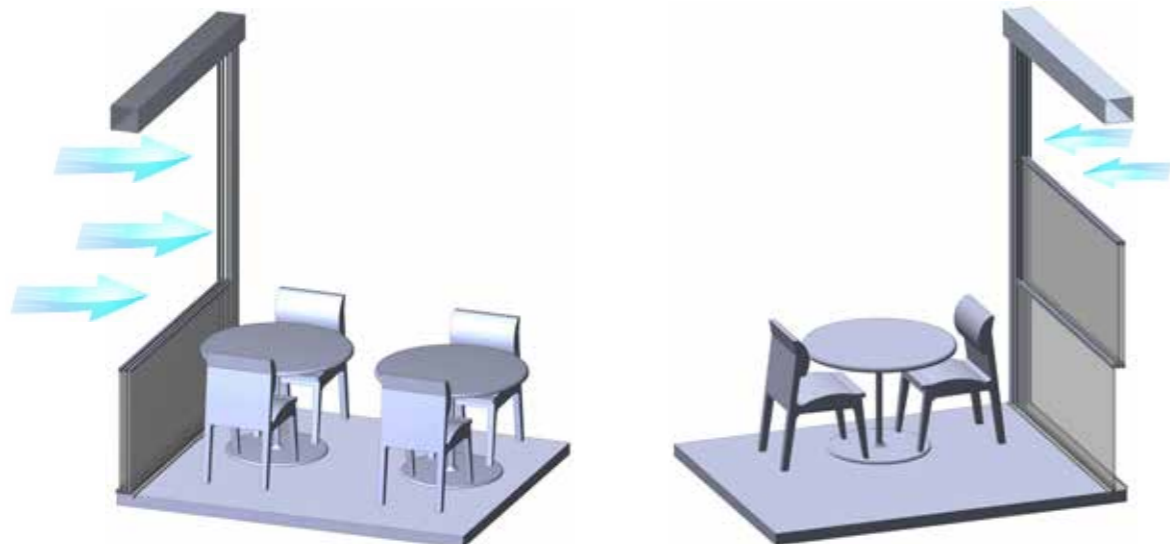


Seating at the window side!
Increase your revenue by increasing your available seating at the windows.

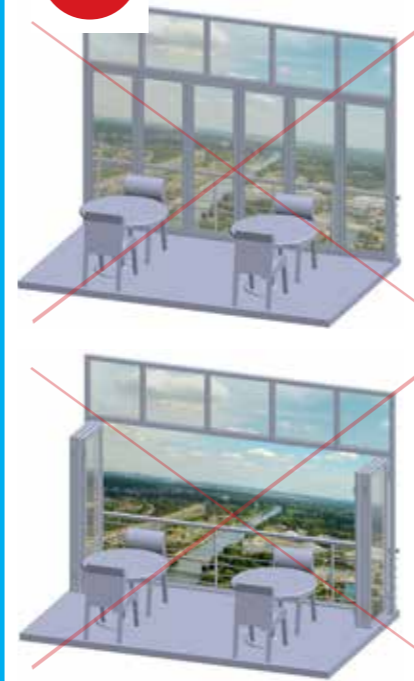


Air Ventilating Solutions Of Libart Panora-View Windows

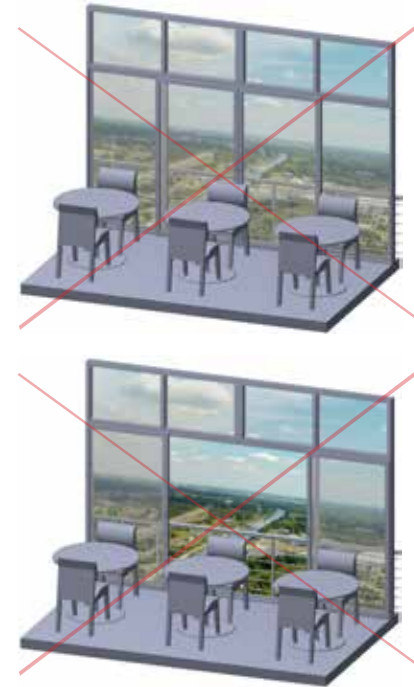
Panora-View windows provide the benefit of protecting your customers from wind gusts whilst providing natural ventilation.



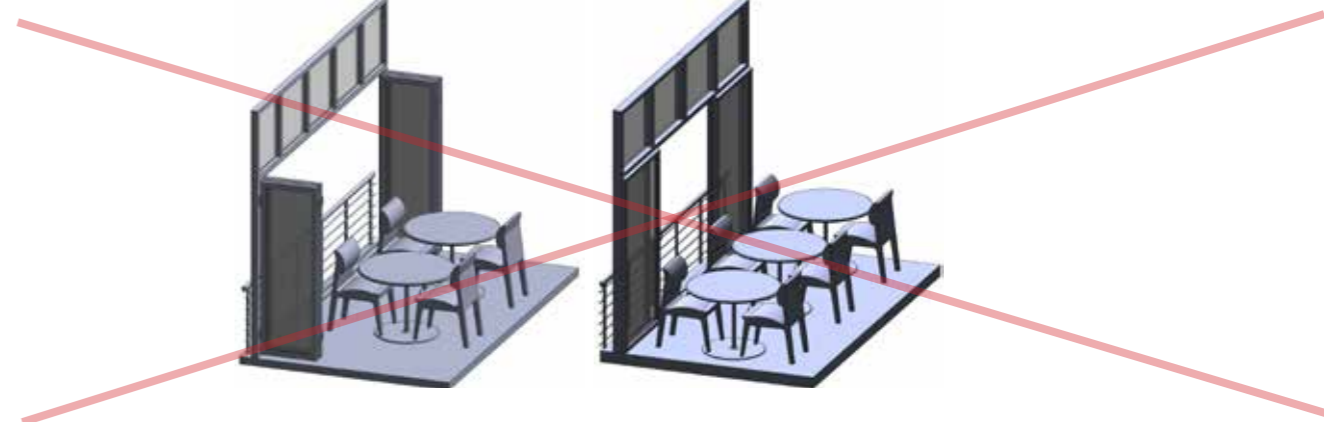
View Problems With Traditional Systems



How do you maximize on your windows views with traditional solutions? Libart Panora-View windows provide up to 70% more opening then these traditional solutions.



Usable Space Problems With Traditional Systems

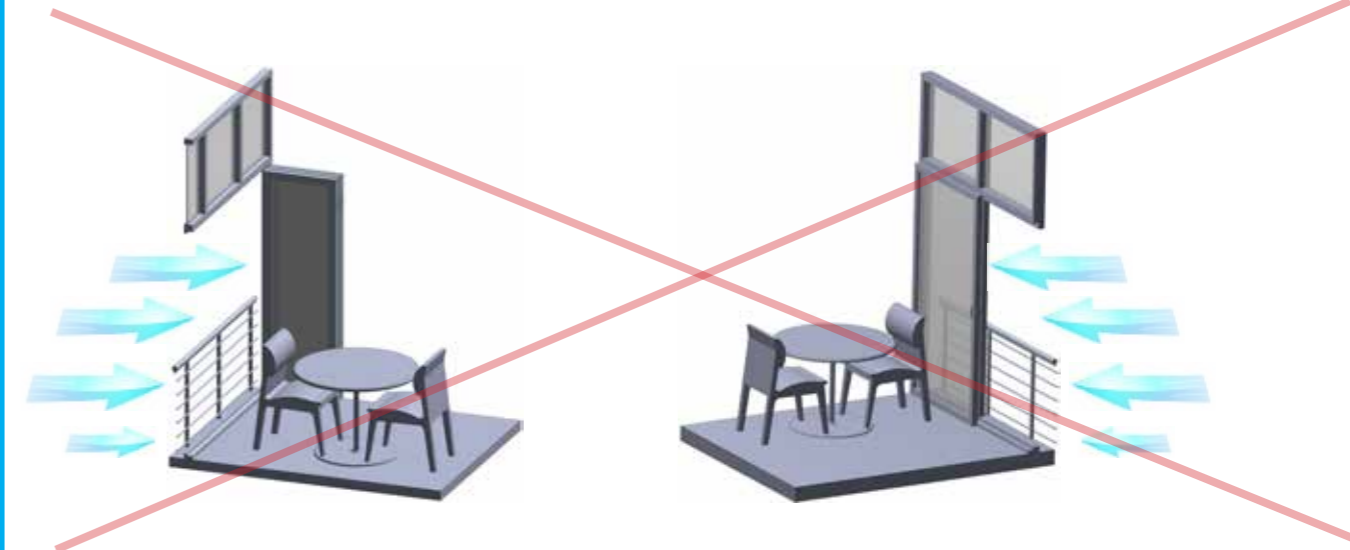


Revenue per table; less window seats equal less satisfied customers



Air ventilating Problems With Traditional Systems

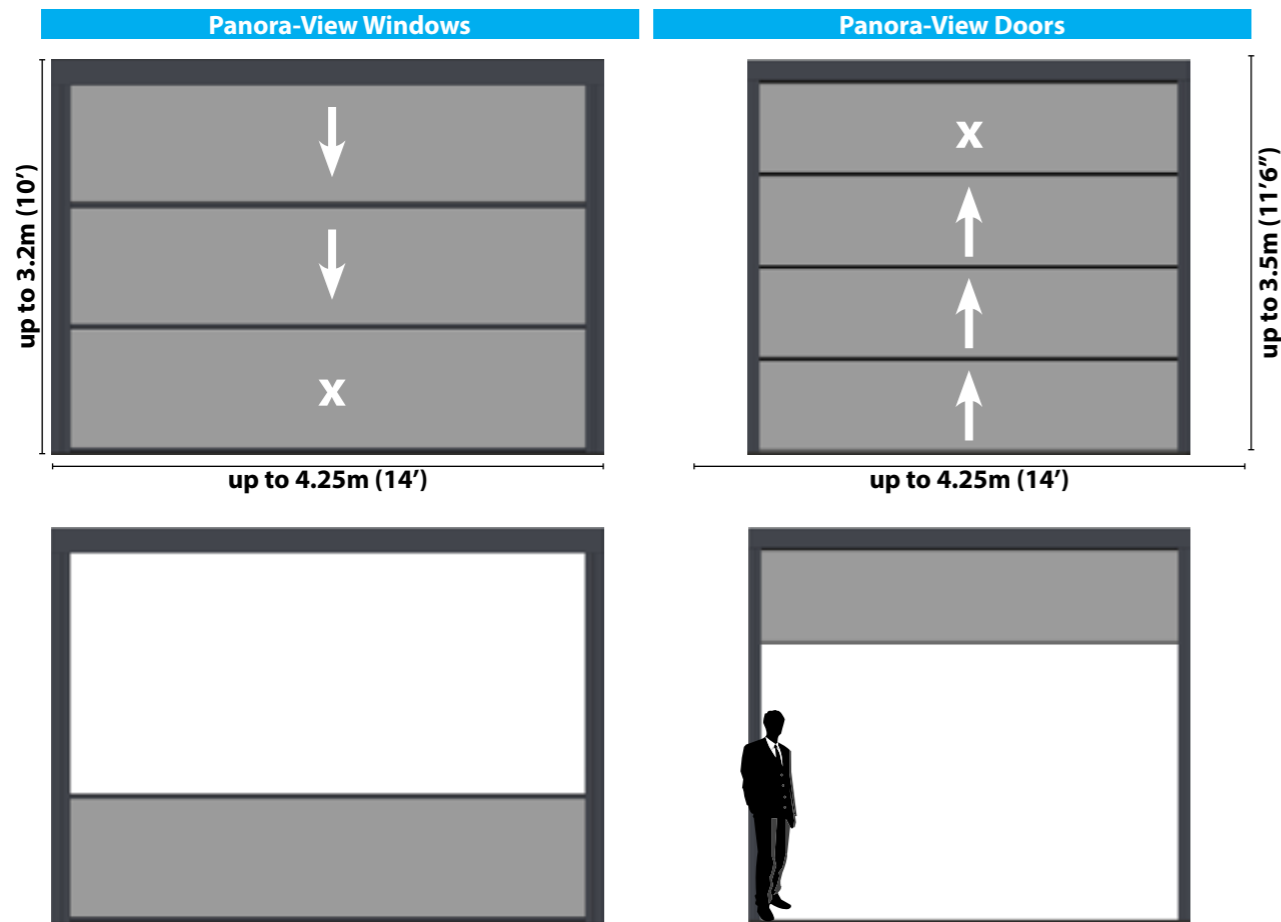
Libart Panora-View windows provide better and controlled ventilation without the shortcomings of classic open door and windows.



Panora-View System Design Information

- Libart's Panora-View Windows and Doors are designed to highest safety standards.
- Libart's Screw Drive System assures you of complete safety and precise control of operation. No cables, chains, or counter weights are used, minimizing servicing needs and chances of failure.
- Opening is done with a simple and intuitive rocker switch (low voltage safety system).
- Standard glazing is Insulated glass that can be up to 32mm of frame thickness. With this frame thickness any glass combination provides excellent impact resistance and guaranteed structural integrity.
- Panora-View can be built over the standard sizes depending on the static calculation of the project.

Panora-View System Retraction Type



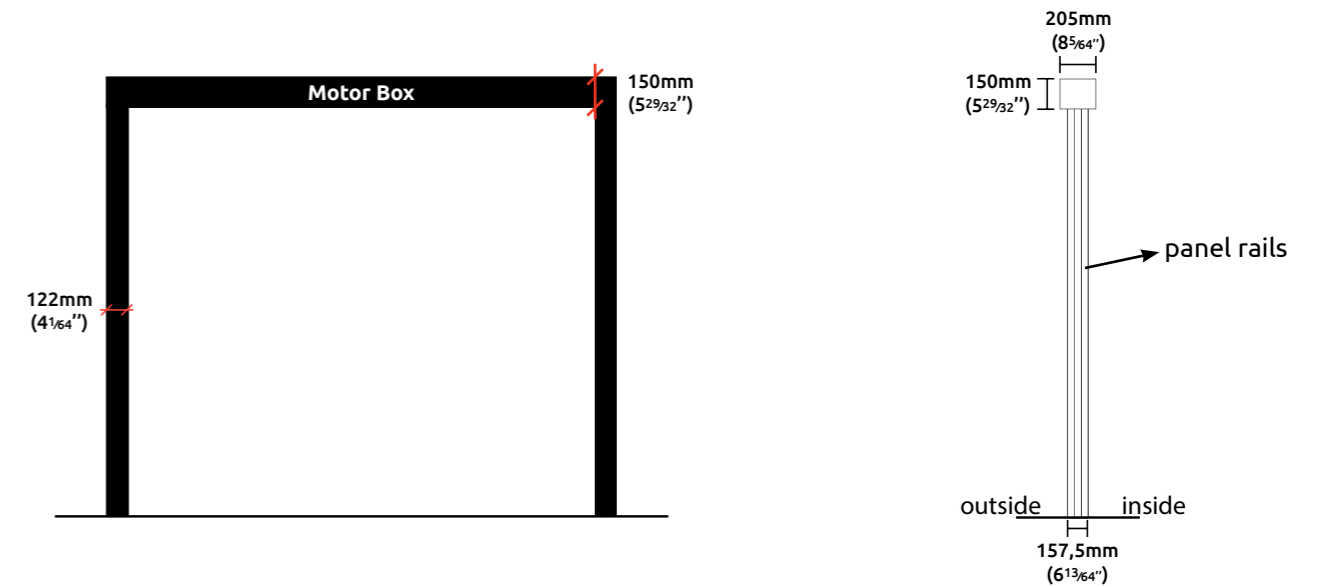
*Also functions as a glass balustrade (Windows system only)

**Custom designs are available as to suit site requirements, local wind and building codes.

Technical Details

- Structural system and framing is manufactured from 6063-T6 custom designed aluminum profiles. There are 5 standard and hundreds of custom colors to choose from no vertical frames within the glazing, horizontal frames follow the minimalistic design of 38mm (1.49")
- Motors are 220VAC single phase or 380VAC 3 phase, 50/60Hz motors with 24VDC control system Automatic locking at all positions with or without electricity.
- **Panora-View Window:** Top to ground operated system, net opening with a balustrade when the top panels slide down and stack on the ground. The balustrade (glass barrier) height can be adjusted as requested. Maximum sizes for the Guillotine Windows are: 4.25m (14') Width x 3.2m (10'6") Height.
- **Panora-View Doors:** Bottom to top operated system, providing net opening that allows to be used as a door. Bottom panels operate to the top and stack behind the fixed top glass. Maximum sizes for Guillotine Doors are: 4.25m (14') Width x 3.5m (11'6") Height

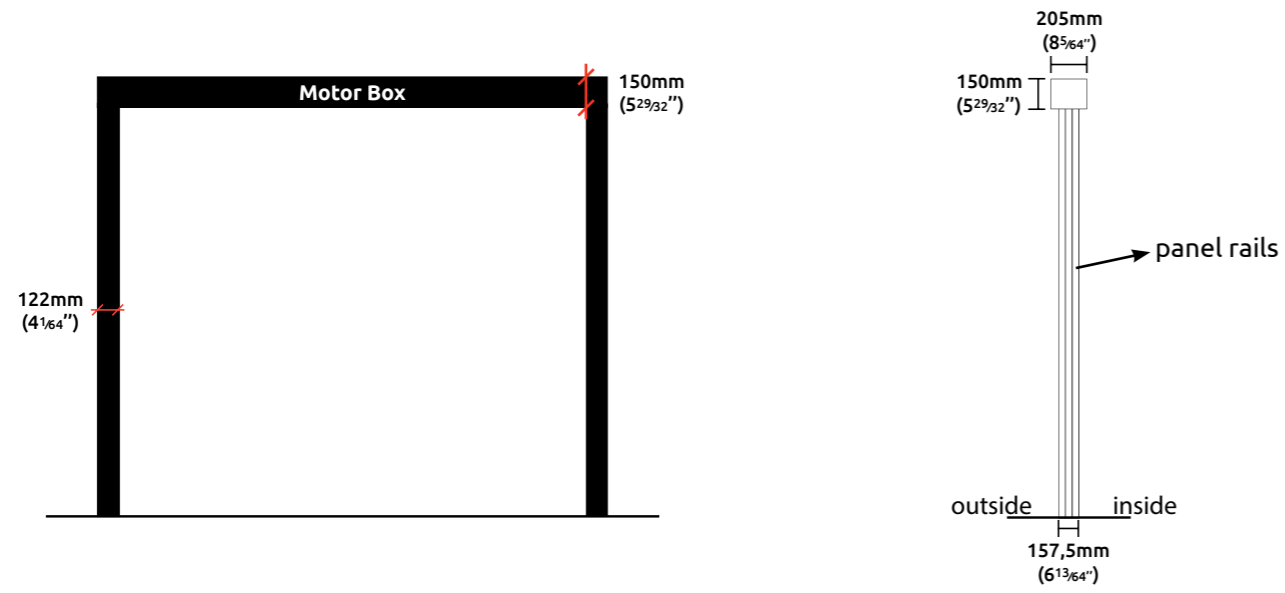
Panora-View Window System Generic Details



Panora-View Window System Models

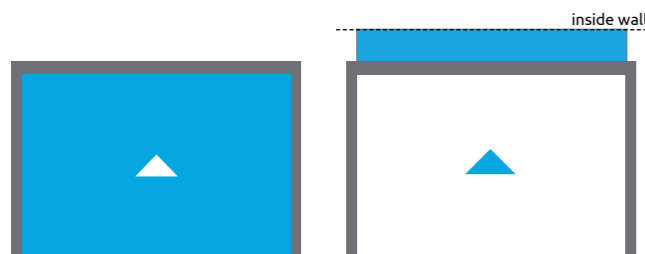


Panora-View Door System Generic Details



Panora-View Window System Models

GU-D1



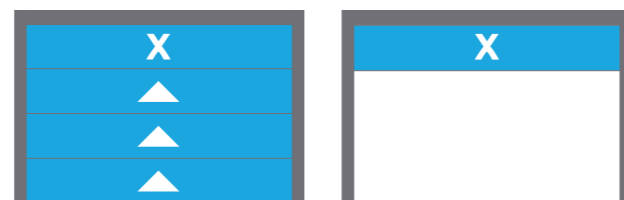
GU-D2



GU-D3



GU-D4



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