



pool cover  
guillotine windows/doors  
high rise guillotine  
FoldWings bi-fold door  
glide-in retracted roof  
wind breaks  
leaning on structures  
green house  
stand alone structures



**SkyTech**

*Breath of fresh air in kinetic architecture*

**Product Data Sheet 3**



# what is a high rise guillotine?

*Access fresh air everywhere*

A SkyTech high rise guillotine system is a version of SkyTech guillotine window specialized to be fitted inside the curtain wall façades of high rise buildings where conventional pivot windows, balconies and terraces are not feasible or available for using due to probable heavy winds on the higher levels. Thusly, accessing fresh air remains as a problem for who resides or works inside. As an old solution to that, complex ventilation systems have been being procured as a vital partition of the building, yet not only the efficiency of artificially providing the clean and fresh air is questionable but also the expense of ventilation is a loaded and constant economic outcome and the consumed energy is not environment friendly. Given the conditions of new normal of pandemic, the need for natural ventilation is a reason of preference for floor keepers, wheter a family residence with few people or an open office with a mobile crowd.

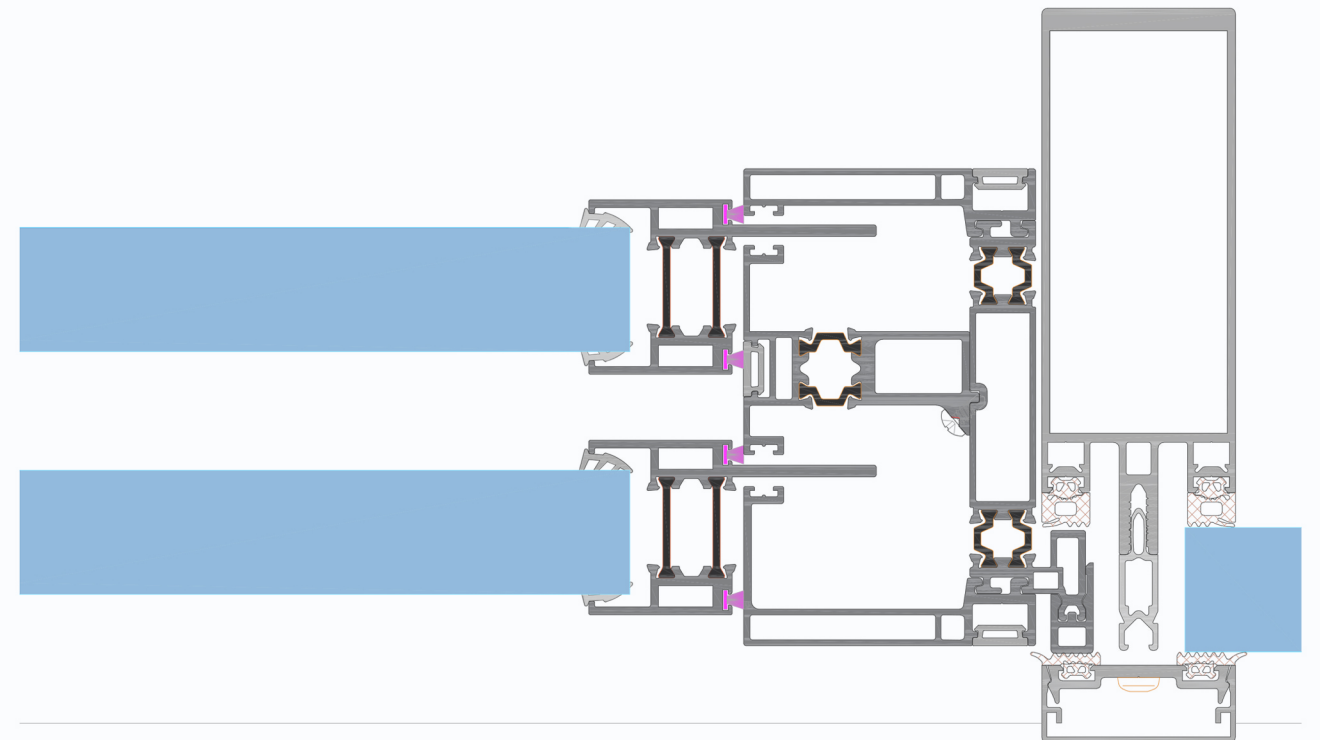




# Benefits of a high rise guillotine system

*upper is lighter*

- *saves energy from ventilation, heating and cooling*
  - *reduces managing expenses*
  - *provides natural air conditioning*
  - *lets needed UV of the Sun light in*
  - *fits horizontally into the entirety of the view*
- *permits turning the room into a balcony with balustrade*
- *durable against the wind during the operation*
  - *easy, motorized operation*
  - *adaptable to central operation*
  - *works with low voltage*
  - *operable during power cut*
- *can be stopped at any time of operation*
  - *compatible with the façade system*
  - *equiped with safety photocells*



#### Statical Features

width: 1250–2200 mm

height: 1000–2200 mm

support profiles: 1 wind support profile per frame

#### Physical Features

motor box size: 185x185 mm

lateral case size: 185x125 mm

frame width: 40 mm

#### Configuration and Movement

frame quantity: 2 frames

system type: window

movement: telescopic retraction, parking on the bottom

#### Motor and Electricity

motor: 0,25 kW industrial motor, gear and steel reinforced belt

weight: max 150 kg

electric feed "World": 24 V DC

control system: remote control / wall button / central automation / mobile application

safety photocells: single pair sensor / linear photocell

#### Insulation

Aluminium body: 100% thermally broken

glass thickness: 12–37 mm, insulated glass is available

min. Uw value: 1.0 W/m²K

watertightness class 8A (at 600 Pa)

air permeability EN 12207 class 2 (at +660 Pa); Class (at-660 Pa)

#### Material

Aluminium body: 6063-T6 Aluminium alloy

surface finish: electrostatic powder coating, anodization, pre-treatment

gaskets: EPDM

mechatronic main parts: chromated steel

mechatronic connection parts: polyamid / kestanid

fasteners: galvanized steel

#### Assembly

structural connection: screwed twice, each 50 cm on sides and top

installation tolerance: shim support up to 5 mm tolerance

frame assembly: 45 corner press assembly

glass assembly: structural glazing and glazing bead

#### Extra Features

cleaning: Easy cleaning frame available on the bottom