



Perfecting the Art of Vertical Mobility

*Freedom of expression!*



**Mini Sukranti**

MEDIUM RISE



# Johnson Snapshots

- ▲ Johnson Lifts are the pioneers in vertical transportation over 6 decades in India.
- ▲ Number one in sales volume since 2009.
- ▲ 300,000 square metres is the total area of our three lift factories with a combined manufacturing capacity of over 18,000+ units/ annum.
- ▲ We have fourteen lift models to suit every budget and need.
- ▲ Currently, we have over 1,00,000+ units under Annual Maintenance Contracts in India.
- ▲ Johnson manufactures heavy duty escalators in a 20,000 square metre factory in Chennai.
- ▲ We offer a wide range of escalators and travelators to cater to the needs of every sector.
- ▲ We operate from 80+ branches in India and 10+ offices overseas, with over 9,000+ Employees worldwide.

At 155 feet, one of the tallest lift testing towers in India at our Chennai factory.





## Breakthrough advantages !

Mini Sukranti is the next generation in vertical transportation. The heart of it is a rare earth permanent magnet synchronous motor.

### Save energy

When compared to geared machines - Mini Sukranti's reduces your power consumption by 60%. The gearless motor increases efficiency around 80% by:

- Reducing start up current
- Saving electricity - the busier the lift, the more the saving as a result of high efficiency.
- Less heat generation and greater mechanical efficiency of motor as it runs at a lower rpm.

### Save the environment

Mini Sukranti is a green lift for greener buildings. The gearless motor requires no lubrication and zero maintenance. No oil means no pollution.

### Smoother ride

The speed control works with closed loop feedback from the encoder to ensure safe and very smooth travel.

### Save in the future

Mini Sukranti's gearless motor has only one moving part and the bearing completely sealed. It generates higher lift travelling speeds at much lower motor speed. All this adds up to trouble-free, smooth operation for decades to come.

### Save space

Mini Sukranti is designed to modular specifications that saves valuable space in the liftwell. This means cost savings for you as well as more marketable floor space.

#### Superior on all counts

|                             | Geared Machine | PMSM Gearless Machine |
|-----------------------------|----------------|-----------------------|
| Nominal rotate speed (rpm)  | 1305           | 167                   |
| Motor capacity (kw)         | 19             | 11.5                  |
| Nominal current (amps)      | 40             | 26                    |
| Oil consumption (ltr)       | 15             | 0                     |
| Weight of the machine (Kgs) | 1200           | 320                   |



**Interiors** Car body, car door in corrosion-resistant, Decorative Laminated Steel Sheet (DLSS). The sleek false ceiling in DLSS comes with power saving LED lights. The car operating panel is in elegant Slimline SS finish. An SS hand rail is provided at the rear end of the car. Car body panels come in fixed sizes based on passenger capacity. Optional 20 mm recess can be provided for flooring by client.



*Rosewood & Linen*

*Cedar*





*Anthracite Grey  
& Hairline*

*White Etched  
& Hairline*





# *Narrow Door Jamb*



Door and door frames also available in Decorative Laminated Steel Sheet (DLSS) The landing fixture is with white seven segment LED display and hall position indicator

# Fixtures



## COP



JLCP01  
Flushmount

## Buttons



JLBT01  
Round

## False Ceiling



JLFC03  
Sleek Small Circular /  
Square Diffuser (Optional)



JLFC08  
Sleek Small Circular  
Cross Flow Fan (Optional)

Finish : Single finish only possible for  
all of the above as per car panel finish

## LOP



JLLP23  
Surfacemount

## Display



JLDP02  
Seven Segment  
(White)

## Hall Lantern



JLHL01 Standard  
Horizontal

## Flooring



JLFL01  
PVC



JLFL03  
Pergo (Optional)

## Handrail



JLHR01  
Round Shape



JLHR02  
Square Shape

JLCP02  
Full COP - Flushmount  
(Projected 8mm)

\*COP: JLCP 01 Can be utilized for up to 14 stops.

\*JLCP 01: Not Suitable For Physically Challenged Requirements.

\*Orange square dot matrix display is optional



# Features

**Mini Sukranti Medium Rise** enviable features in a nutshell

- Machine roomless, compact controller fitted in the lift shaft
- Max. travel speed of 1.25 mps
- Upto 45 metres travel height (16 floors)
- Max. load of 1020 kg

**Door Frame** Only Johnson Lifts come with elegant door frames in Decorative Laminated Steel Sheet (DLSS) that gives strength as well as an elegant appearance.

**VVVF Controller** The Variable Voltage Variable Frequency (VVVF) control, ensures 50% energy savings. It also creates comfortable ride quality with jerk-free starts and stops; Smooth acceleration and deceleration, and no landing variations, time after time. In the long run, this prevents wear and tear of components, which means less downtime and huge savings on spares

**Stainless Steel Buttons** Sophisticated design -buttons flush with backplate. White LED illumination. Tamper resistant Etched numbers. Braille markings.

**Fireman Switch** To enable fire-service personnel to take over complete control over one or more lifts.

**VVVF Door Controller** Silken smooth door movement. Advanced features like adjustable independent times for opening and closing. Slow-nudging feature ideal for high traffic situations.

**Infra Red Screen Sensor** Curtain of 212 infra red beams to prevent accidental closing of the door.

**Full Height Car Fixture** (Optional) Designed specially for tall buildings. With Press & Speak facility and overload indicator. Floor designation will be in numeric only. Position of this depends on passenger capacity.

**Arrival Chime** A ringing tone is sounded as the lift stops at the landing (For duplex only).

**Overload Indicator** When the lift is overloaded, indicator light turns on and the alarm beeps.

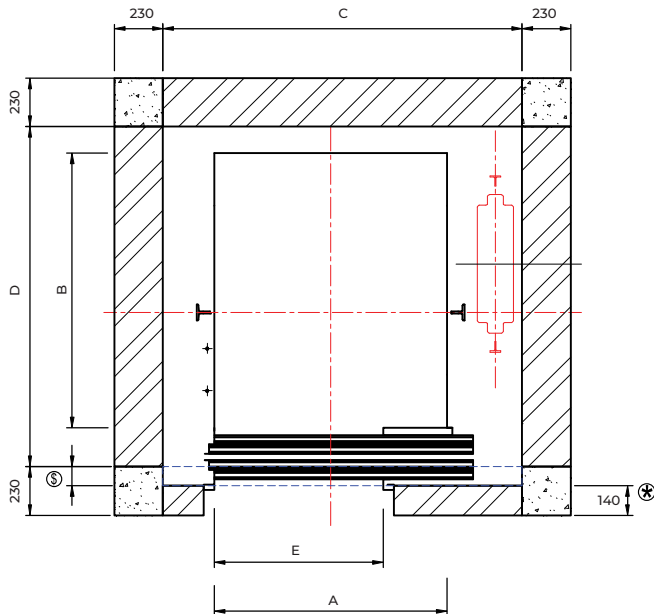
**In-built Automatic Rescue Device - ARD** Automatically takes the lift to the nearest level in the case of a power interruption.

**Hi-tech Controller** Enables Direct Landing the lift slows down and stops in a single motion without 'creeping' the last few centimetres. The elimination of 'creep speed' saves power. High speed is maintained for a longer period per round trip thereby saving time.

# Diagrams

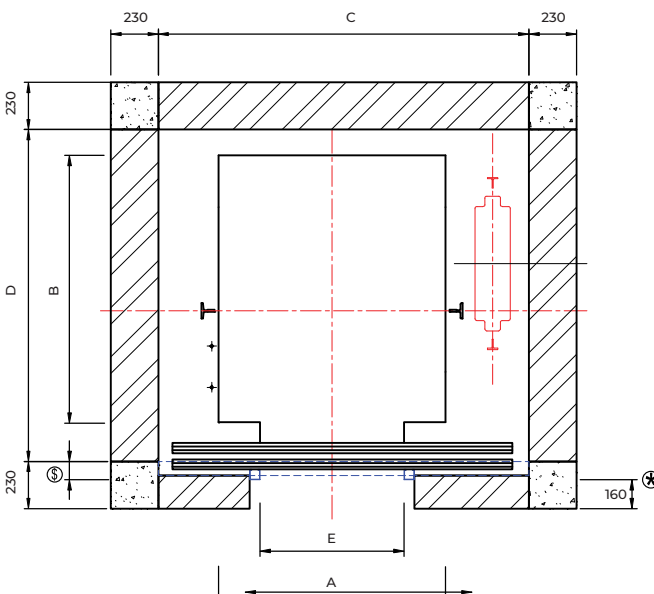


Plan of liftwell - 2 panel side opening door lift



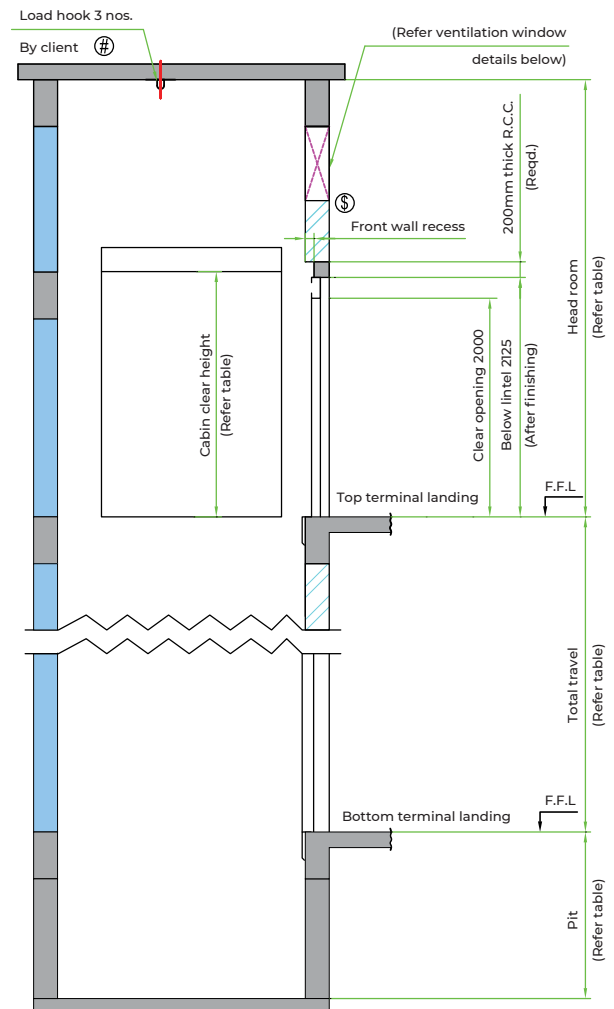
- ⊗ Front entrance wall thickness 140mm required
- Ⓢ Front wall recess 90mm to be required  
Additional 90mm depth required for steel structural shaft

Plan of liftwell - 2 panel center opening door lift

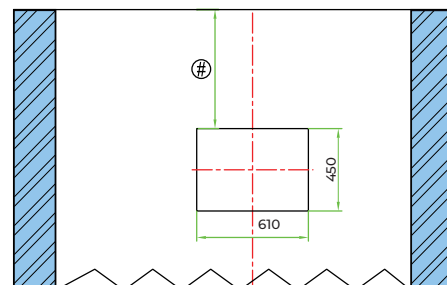


- ⊗ Front entrance wall thickness 160mm required
- Ⓢ Front wall recess 70mm to be required  
Additional 70mm depth required for steel structural shaft
- ⊗ Front wall recess not required

Elevation



Ventilation window cutout detail



R.C.C. beams required in headroom in side walls - will be confirmed in GAD

R.C.C not applicable for 6 to 10 passengers, red brick or solid block 230mm thickness required

R.C.C not applicable for the steel structural shaft

Ⓢ and all of the above will be confirmed in GAD



# Specifications

## Civil dimensions for Mini Sukranti

### Centre Opening Door Lifts

| Load    |      | Car Inside |      | Lift Well |                   | Entrance (W) |
|---------|------|------------|------|-----------|-------------------|--------------|
| Persons | Kgs  | A          | B    | C         | D                 | E            |
| 6       | 408  | 1000       | 1100 | 1650      | 1475 <sup>®</sup> | 700          |
|         |      | 1000       | 1100 | 1750      | 1475 <sup>®</sup> | 800          |
| 8       | 544  | 1050       | 1350 | 1675      | 1600              | 700          |
|         |      | 1000       | 1400 | 1800      | 1800 <sup>®</sup> | 800          |
|         |      | 1200       | 1200 | 1800      | 1600 <sup>®</sup> | 800          |
|         |      | 1300       | 1100 | 1885      | 1500 <sup>®</sup> | 800          |
| 10      | 680  | 1200       | 1450 | 1900      | 1775              | 800          |
|         |      | 1000       | 1700 | 1800      | 1925              | 800          |
| 13      | 884  | 1100       | 2000 | 1950      | 2300              | 900          |
|         |      | 1500       | 1450 | 2175      | 1800 <sup>®</sup> | 900          |
| 15      | 1020 | 1100       | 2150 | 1950      | 2450              | 900          |
|         |      | 1550       | 1550 | 2200      | 1875              | 900          |

## Civil dimensions for Mini Sukranti

### Side Opening Door Lifts

| Load    |      | Car Inside |      | Lift Well |                   | Entrance (W) |
|---------|------|------------|------|-----------|-------------------|--------------|
| Persons | Kgs  | A          | B    | C         | D                 | E            |
| 6       | 408  | 1000       | 1100 | 1575      | 1475              | 800          |
| 8       | 544  | 1050       | 1350 | 1650      | 1600              | 800          |
|         |      | 1300       | 1100 | 1885      | 1500 <sup>®</sup> | 800          |
| 10      | 680  | 1100       | 1600 | 1775      | 1925              | 800          |
|         |      | 1200       | 1450 | 1875      | 1775              | 800          |
| 13      | 884  | 1100       | 2000 | 1775      | 2300              | 900          |
|         |      | 1500       | 1450 | 2175      | 1800              | 900          |
| 15      | 1020 | 1100       | 2150 | 1775      | 2450              | 900          |
|         |      | 1550       | 1550 | 2200      | 1875              | 1000         |

| Capacity  | Pit depth | Head room | Speed   | Travel  | Cabin clear height |
|-----------|-----------|-----------|---------|---------|--------------------|
| 6P to 10P | 1600      | 4000      | 1.25mps | 45 mtrs | 2200               |
| 13P & 15P | 1700      | 4200      |         |         |                    |

\*Glass doors necessitate an additional 200mm of headroom height required

\*For vision panel door (optional)

®Front wall recess not required

Note: All dimensions are in millimetres. All dimensions are clear finished liftwells after plastering. Dimensions are suitable for lifts speed upto 1.25 m/s. Lifting hook in head room area required. All walls minimum 150RCC or 230 brick. RCC head room structural slab 150 thick designed to sustain minimum 1000 kg/m2 UDL. For Specific requirements our local representative will be happy to work with you in preparation of the drawings.

SCAN FOR UPDATED SPEC





## OUR UNMATCHED MANUFACTURING CAPABILITY



Escalator factory complex in Oragadam, Chennai



Lift factory, Nagpur



Lift factory in Poonamallee, Chennai



Lift factory complex in Sengadu, Chennai

## OVERSEAS

Nepal, Srilanka, Tanzania,  
UAE, Uganda, Bhutan, Qatar,  
Maldives, Saudi Arabia,  
Oman, Bahrain

## NORTH

Chandigarh, Gurgaon,  
Delhi, Jaipur, Jammu,  
Lucknow, Noida

## EAST

Bhubaneswar, Guwahati,  
Kolkata, Patna, Ranchi



## CENTRAL

Amaravati, Bhopal,  
Indore, Jabalpur, Nagpur,  
Nashik, Raipur

## WEST

Ahmedabad, Goa, Kolhapur,  
Mumbai Andheri, Mumbai Mahpe,  
Navi Mumbai, Pune, Shirdi,  
Solapur, Surat, Vadodara

## SOUTH

Bengaluru, Calicut, Chennai, Cochin,  
Coimbatore, Hyderabad, Hubli, Hosur,  
Madurai, Mangalore, Mysore, Puducherry,  
Salem, Tirunelveli, Tirupathi, Tiruvannamalai,  
Trichy, Trivandrum, Vijayawada, Vellore,  
Vishakapatnam, Warangal

4 Factories | 80+ Branches in India | 10+ Offices Overseas | 9,000+ Employees



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