Johnson
LIFTS & ESCALATORS

Mini Sukrani

MEDIUM RISE



Freedom of expression!

Freedom of Expression !



Chic. Hi fashion. Designer. These are not rare exceptions anymore. These are the new rules people live by today. So you need the freedom to design flights of fantasy.

Come let your imagination soar with Mini Sukranti.

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 bearings 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, pre-coated steel. The sleek false ceiling in pre-coated steel 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.

Flamingo

Wall panels & Ceiling: Orange & Ivory

Flooring: Beige | Square fan grill: Orange

Fan grill also available in circular shape and ivory colour





Teak & Ivory

Wall panels & Ceiling: Wood and Ivory

Flooring: Grey

Cross flow fan grill: Ivory.



Blue Jay

Wall panels & Ceiling: Blue & Grey

Flooring: Blue | Square fan grill: Grey

Fan grill also available in circular shape and blue colour



Teak & Grey

Wall panels & Ceiling: Wood and Grey

Flooring: Grey

Cross flow fan grill: Grey

Exteriors



Door and door frames in Decorative Laminated Steel Sheet (DLSS) . The landing fixture with bright orange square dot matrix LED display and hall position indicator is fitted within the door frame itself - saving installation cost and time.

Door & frame to match the interiors



SS Hairline finish car, doors and frames available at an additional cost.

Fixtures

COP



JLCP 02
Full COP (Optional)

COP

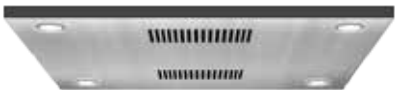


JLCP 01

False Ceiling



JLFC03
Sleek Small Circular
Regular Circular Fan



JLFC05
Sleek Medium Circular
Cross Flow Fan (Optional)

LOP



JLLP01
Flush mount - LOP

Button



JLBT 01
Round

Display



JLDP 01
Orange Square
Dot Matrix

Hall Lantern



JLHL 01
(Optional for duplex)

Flooring



JLFL 01
PVC



JLFL 03
Pergo
(Optional)

Handrail



JLHR 01
Round Shape



JLHR 02
Square Shape

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 (15 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 a super-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. Orange LED illumination. Etched numbers. Highly tamper resistant with 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).

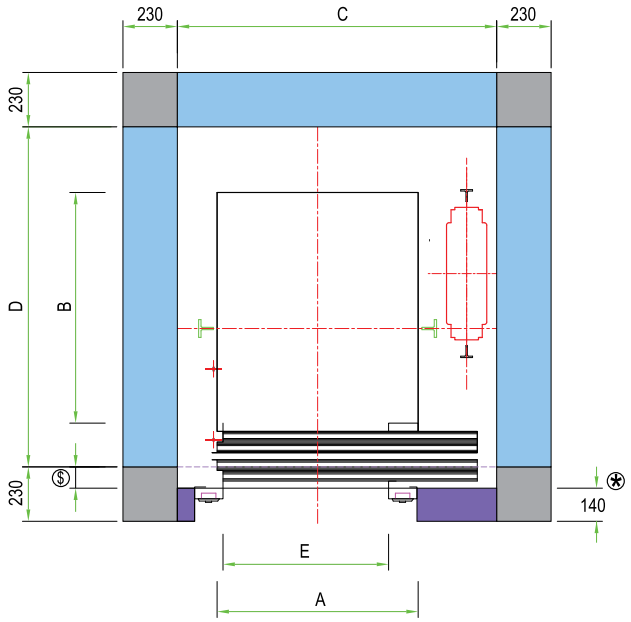
Overload Indicator When the lift is overloaded, indicator light turns on and the alarm beeps.

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.

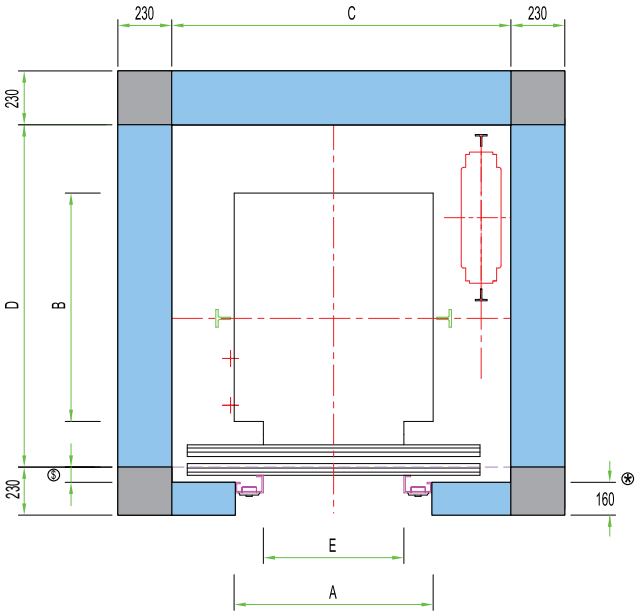
Diagrams

Plan of liftwell-side opening door lift



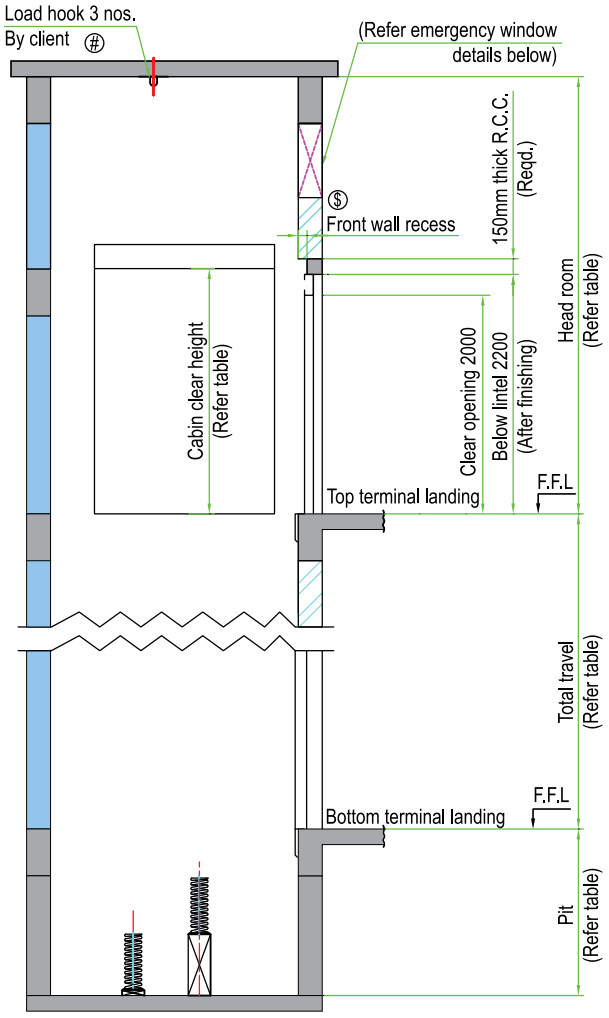
⊛ Front entrance wall thickness 140mm required
$ Front wall recess 90mm to be required

Plan of liftwell-centre opening door lift

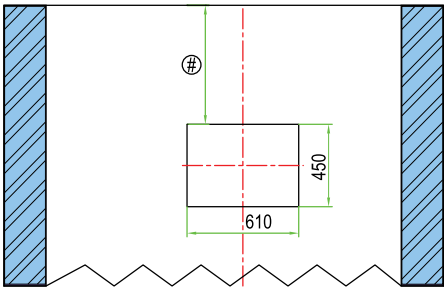


⊛ Front entrance wall thickness 160mm required
$ Front wall recess 70mm to be required

Elevation



Emergency window cutout detail (At accessible wall)



(# Will be confirmed in GAD)

(R.C.C. beams required in headroom in side walls - 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	700
8	544	1050	1350	1675	1600	700
		1000	1400	1800	1800	800
		1300	1100	1885	1500	800
10	680	1200	1450	1900	1775	800
		1000	1700	1800	1925	800
13	884	1100	2000	1950	2300	900
		1500	1450	2175	1800	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	900	1100	1500	1475	700
		1000	1100	1575	1475	800
8	544	1050	1350	1650	1600	800
		1300	1100	1885	1500	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			

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. Specifications are subject to change without prior notice. Photographs, colour swatches and finishes featured are indicative.

Our unmatched manufacturing capability.
Lift factories in West and South India and India's first escalator factory in Chennai.



Johnson escalator factory complex in Oragadam, Chennai



Johnson lifts factory, Nagpur



Johnson lifts factory, Poonamallee, Chennai



Johnson lifts factory complex in Sengadu, Chennai

OVERSEAS

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NORTH

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

EAST

Bhubaneswar, Guwahati, Kolkata, Patna, Ranchi



CENTRAL

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WEST

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SOUTH

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4 factories | 54 branches in India | 7 offices Overseas | 10,000+ employees

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