

# Liftron Swift Dumbwaiter

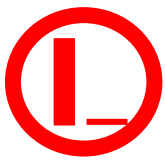


**Product  
Catalogue**



## Liftron Swift

Dumb Waiters are the help for goods lifting through different storeys in offices, hotels, hospitals and homes.

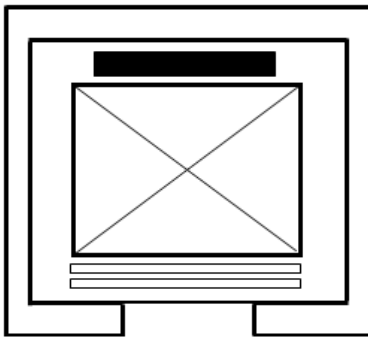


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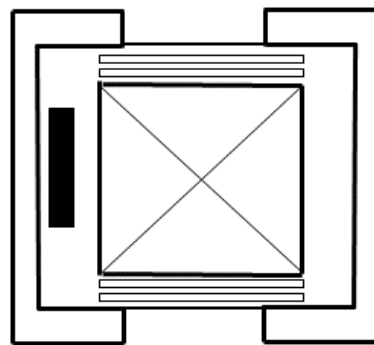
Dumbwaiters are ideal for residential, hotel, libraries, hospitals, pharmacies, schools, workshops, offices and applications that requires easy pick up at raised level.

## Brief Specification

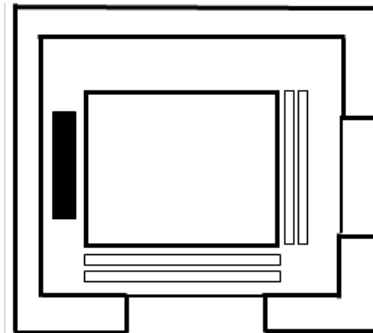
1. Front Door Opening



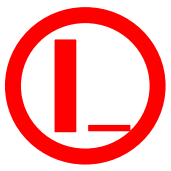
2. Through Door opening



3. Adjacent Door Opening



- Capacity: 100kg, 200kg, 300kg & up to 500kg
- Speed: 0.4m/s
- Door: Bi-parting door
- Loading Type: Service Height or Floor Loading
- Control system is adopted with PLC control, full closed loop VVVF control
- Exclusive traction machine used in dumbwaiter
- Auto switch door mechanism specially used in dumbwaiter
- Hall door side is formed by steel plate through precise procession
- Mechanical lock used in dumbwaiter hall door

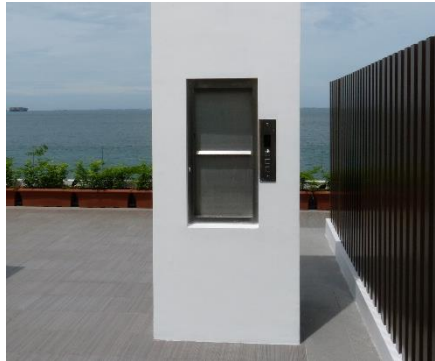


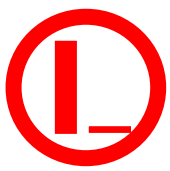
# Dumbwaiter for Serving Loading Type

The serving height dumbwaiter is ideal for easy pick-up and serving at the height of our waist level.

Rated Loading	Loading Type	Cabin Size (W x D x H)	Shaft Size (W x D x H) Side Counter Weight	Shaft Size (W x D x H) Post Counter Weight	Overhead Allowance	Lift Pit	Door opening Size
100kg	Service Loading	600*600*800 mm	1200*900 mm	1000*1000 mm	≥3000	800 mm	800*1000 mm
100kg	Service Loading	600*800*800 mm	1200*1100 mm	1000*1200 mm	≥3000	800 mm	900*1000 mm
100kg	Service Loading	700*700*800 mm	1300*1000 mm	1100*1100 mm	≥3000	800 mm	800*1000 mm
200kg	Service Loading	700*800*800 mm	1300*1100 mm	1100*1200 mm	≥3000	800 mm	1000*1000 mm
200kg	Service Loading	900*900*900 mm	1500*1200 mm	1300*1300 mm	≥3000	800 mm	1100*1100 mm

“ Dumbwaiter is the highlight of latest trend and the improvement of quality of our life.”

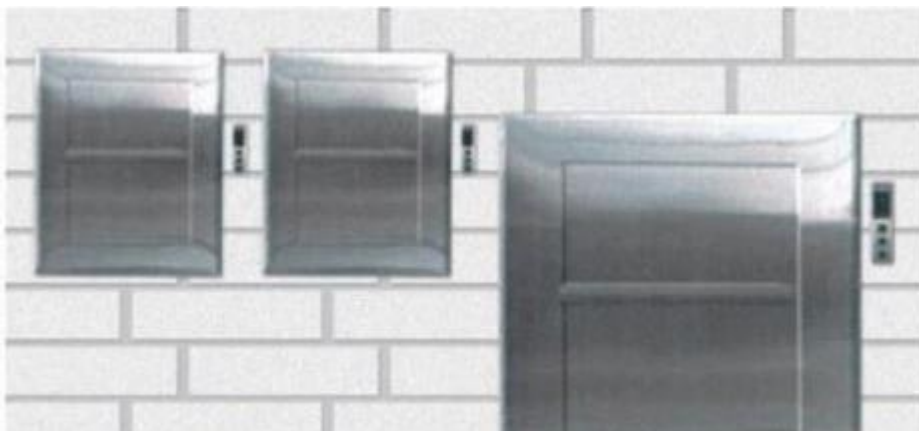




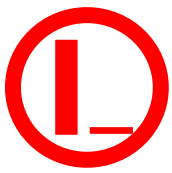
# Dumbwaiter for Floor Loading Type

The floor level loading dumbwaiter is ideal for Multi-storey warehouse and applications that requires loading, unloading from trolleys.

Rated Loading	Loading Type	Cabin Size (W x D x H)	Shaft Size (W x D x H) Side Counter Weight	Shaft Size (W x D x H) Post Counter Weight	Overhead Allowance	Lift Pit	Door opening Size
100kg	Floor Loading	700 x 700 x 1000 mm	1300 x 1000 mm	1100 x 1100 mm	≥3000	1000 mm	800*1000 mm
100kg	Floor Loading	800 x 800 x 1000 mm	1350 x 1050 mm	1200 x 1200 mm	≥3000	1000 mm	800*1000 mm
200kg	Floor Loading	900 x 900 x 1000 mm	1500 x 1200 mm	1300 x 1300 mm	≥3000	1000 mm	900*1000 mm
200kg	Floor Loading	1000 x 1000 x 1000 mm	1600 x 1300 mm	1400 x 1400 mm	≥3000	1000 mm	1000*1000 mm



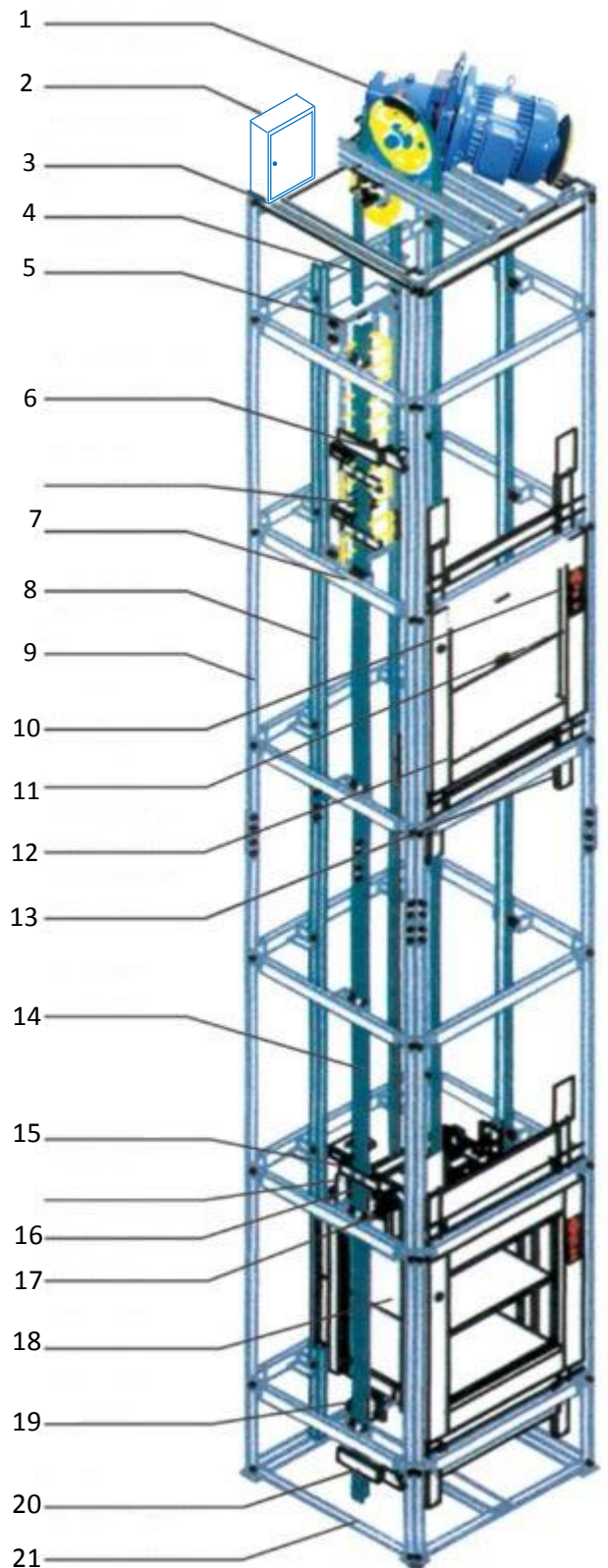
Changing your life with technology & enjoy the distinctive respect & luxury.



## Liftron Swift System

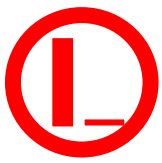
1. Traction Motor
2. Control Panel
3. Top Shaft Metal Frame
4. Wiring Rope
5. Counterweight Bracket
6. Safety Limit Switch
7. Intermediate Shaft Hollow Section Frame
8. Counterweight Guiderail
9. Corner Post Metal Frame
10. Hall Indicator Panel & Call Button
11. Landing Door
12. Landing Door Frame
13. Landing Door Glider
14. Cabin Guiderail
15. Counterweight Frame
16. Safety Limit Switch
17. Safety Metal Bar
18. Cabin
19. Pit Buffer
20. Pit Limit Switch
21. Bottom Shaft Metal Frame

### Traction Motor (100kg – 500kg)



It is driven by international advanced ZC type circular envelope worm, good in lubricity, low in power waste and high in drive efficiency. Gear is small in contact stress, high in carrying capacity, Smooth in movement and low in noise. It is suitable for different electric control.

The driving accuracy is high, good in integration, the strong in wear resistance and durable life. The braking coil is precisely wound with high in strength enamel-insulated wire, soaked in paint and insulated, Which is high in mechanical strength, good in insulation and convenient in external wiring.



## Liftron Swift Controller



### Series, Single-Speed Control System

Simply connected, only four  
Conducting wires are needed  
For all the call elevators,  
Convenient in installation and  
Maintenance.



### Parallel Single-Speed Control System

Simple structure, complete function,  
Suitable for the elevators for fewer stops  
Which are not more than 4 stops and  
lower accuracy requirement. The load  
Can be up 100 – 500kg.



### Call & Send Buttons Panel



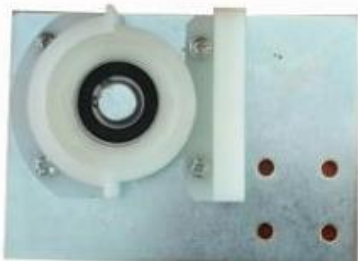
### Door Interlock Switch



### Guide Rail & Guide Shoe



### Door Roller



### Limit Switch





## Standard Function of Liftron Swift

### **1. Automatic aiming layer function:**

The elevator will stop at the corresponding floor automatically according to the order.

### **2. Electric valve interlock function:**

The electronic valve interlock switch has been installed on every floor.  
The elevator will stop running when one of the doors is opened.

### **3. Layer doors mechanical lock function:**

Layer door won't be opened when the elevator car doesn't stop at this floor.  
If there's a need, the layer door can be opened with the special key.

### **4. Buzz warning function:**

When the elevator car arrives at the targeted layer, the buzzer in the corresponding layer will ring.

### **5. Floor number display function:**

The floor number at which the elevator car stops will be displayed.

### **6. Direction of operating function:**

The bright arrow on the screen will indicate the running direction of the elevator.

### **7. Answering the calling for the elevator function:**

When the elevator is called for, the numeric light button of the corresponding floor will be lightened.  
When it arrives the memory will disappear, and the indicator will go out.

### **8. Extreme protection function:**

The Limit switch has been installed on the top and at the bottom of the well path to prevent the elevator from bumping the top and tamping the bottom.

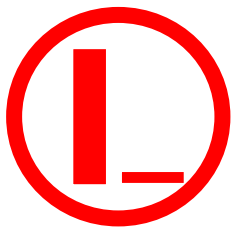
### **9. Malfunction indication and autogenesis function:**

When malfunctions appear, code will twinkle on the digital screen, and the reason for malfunction will be diagnosed.  
The code legend has been introduced in the file directions.

### **10. Overloaded generator protection function:**

Overload relay has been installed in the control system.  
Upon overloading of the motor, the power supply of the motor will be cut automatically so as to protect the motor.





## **Liftron Access Pte Ltd**

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