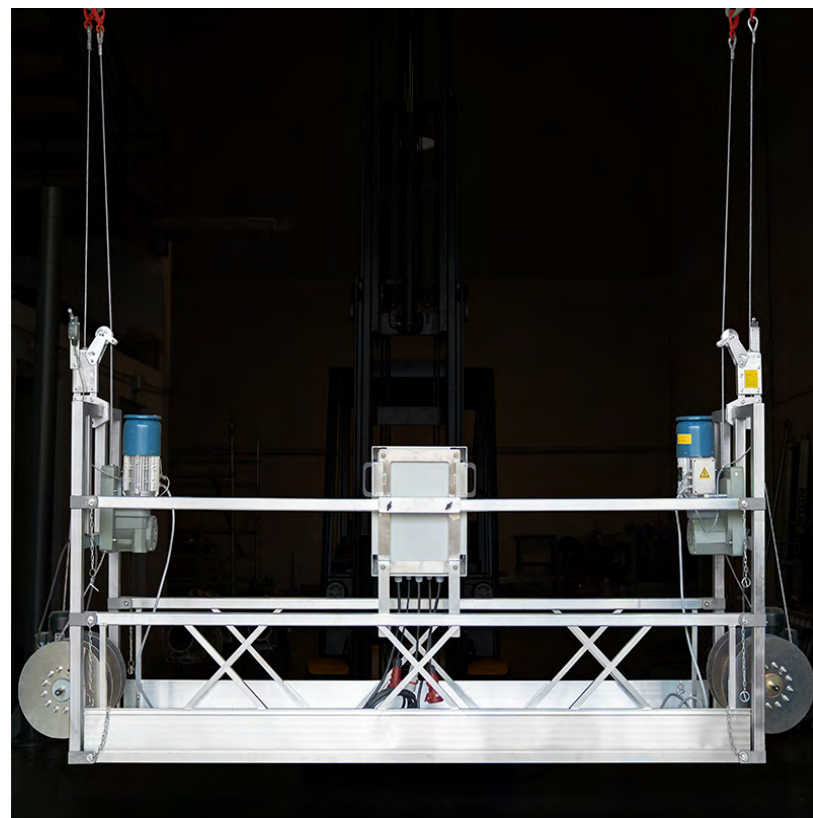


Advantages

- No height limits
- An overload detector sensor
- A manual lowering mechanism
- Dual brakes (motor electromechanical and centrifugal as back-up)
- Safety triggers and hour counter
- Protection IP55 (temperatures between -20°C to 55 °C)
- A solid and lightweight housing made of die-cast aluminium
- A phase control system and thermal overload protection
- Capacities range from 500kg to 2000kg at either 9 or 18 m/min
- For a large number of applications such as lifting equipment for elevator installations, windmills, temporary and permanent suspended platforms, material lifting and man-riding.
- Contact FBA's Engineering Department for Tailor-made solutions

Compliant with

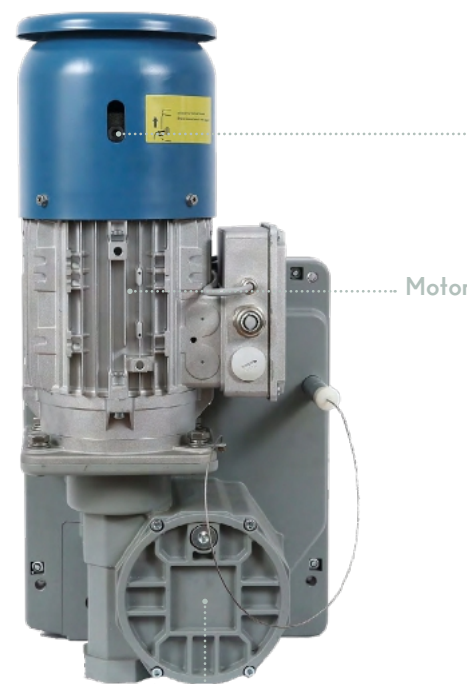
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UNI MODEL	UNI50	UNI63	UNI80	UNI100	UNI200
Working load limit	500kg	600kg	800kg	1000kg	2000kg
Speed	a. 9m/min b. 18m/min c. Dual speed 9 or 18m/min				6 or 12m/min
IP class	IP55				
Steel wire rope	8.3mm	8.3mm	9.1mm	10.2mm	14mm
Working temperature range	- 20°C to 55°C				
Weight	47	48	49	50	113
Overall dimensions (HxWxD)	593 x 300 x 263mm				720x400x370mm
Built-in overload device	•	•	•	•	•
Motor thermal overload	•	•	•	•	•
Speed 18m/min	○	○	○	○	-
Dual speed 9 or 18m/min	-	-	-	○	-
Hoist cables with plug	○	○	○	○	○
Hour counter	•	•	•	•	•
Control system	○	○	○	○	○
Radio remote control	○	○	○	○	○
*Fall arrester device and adaptor (overspeed and anti-tilt)	○	○	○	○	-
Top limit switch	•	•	•	•	•
Top limit ultimate	○	○	○	○	○
1P 230V 50Hz (by Capacity)	○	○	-	-	-
1P 230V 50Hz (by inverter)	○	○	○	○	-
3P 230V 50Hz/60Hz	○	○	○	○	○
3P 380-400V 50Hz/60Hz	•	•	•	•	•
3P 690V 50Hz/60Hz	-	○	○	○	○

• Standard features ○ Optional features - Features not possible

Main features



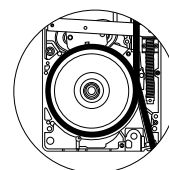
Motor

Safety lowering mechanism

In the event of a power failure, the electrical-mechanical brake can be released manually in order to ensure safe and controlled lowering of the load.

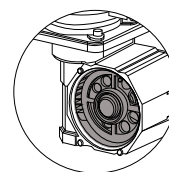
Manual lowering pin

Gear box



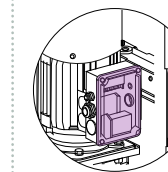
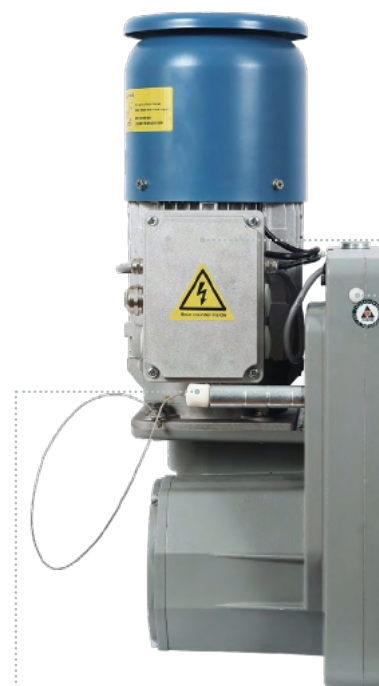
"a" Cable-guiding system

The hoist has a single drive pulley. The grip of the wire rope on the pulley obtained by a set of rollers, operated by a pressure spring unit. Compact in structure, lightweight and easy in operation and maintenance.



Gear drive

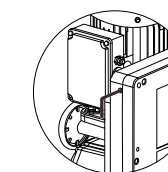
Gearing and drive sheave is fabricated from hardened steel, great transmission efficiency and cost-effective.



Connection box

Hour Counters

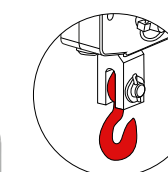
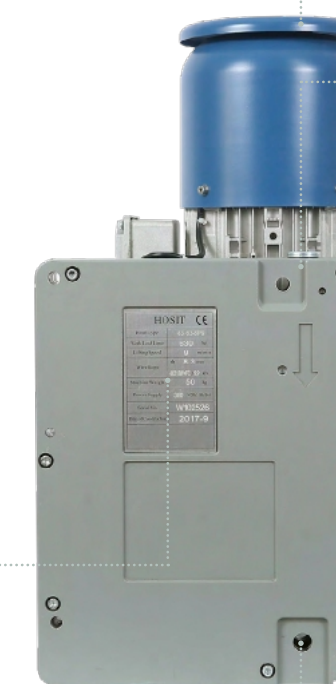
Counting in the connection box of traction hoist. Record working operating hours. Outdoor type and indoor type.



Built-in overload

When the load acting on hoist reaches or exceed the load limit, the hoist will stop rising or only descend.

Waterproof cap



Wire enter Flexible Attachment Points

The hoist can be suspended from a central suspension point by means of a load pin. As an alternative, attachment points in the corners of the housing are available for flexible attachments of the hoist with hook, screw or pins.

Manual lowering pin

Platform connection

Wire exit

✓ Advantages of Unlift Hoist

- Approved for man-riding and material lifting
- Robust construction
- Light-Weight

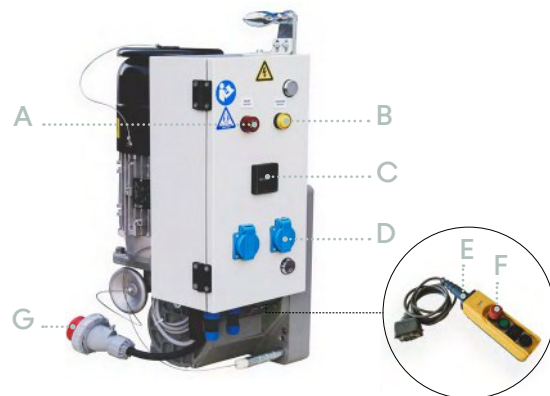
✓ Advantages for the installation of elevators

- Safe and secure working environment for installation staff
- Improved available working space in the pit and shaft
- High level of independence from the building contractors progress
- Early commencement of lift installation before shaft construction is complete
- Savings of lift installation time up to 30%
- Unlimited operating height (with scaffolding methods, height increases cost and operation constraints).
- The concept can also be employed while removing existing lifts from buildings under renovated and in the installation of replacements.



UNI MODEL	CAPACITY kg	LIFTING SPEED m/min	WIRE ROPE dia. mm	MOTOR KW	SELF WEIGHT Kg
UNI100-10P9	1000	9	10.2	2.2	65
UNI100-10P18	1000	18	10.2	4	75
UNI200-10P12	2000	12	14.2	4	104
UNI100-10P9/18VDF	1000	9 & 18	10.2	4	75

- The hoist can operate normally if the ambient temperature is between -20 °C and +55°C with relative ambient humidity of max 90% at 25°C.
- Power supply (voltage and frequency) can be changed to your request.
- When the electric current frequency is 60HZ, the lifting speed will be increased by 20%, and the load should be reduced by 20%.
- 500 kg and 800kg of capacity are optional.

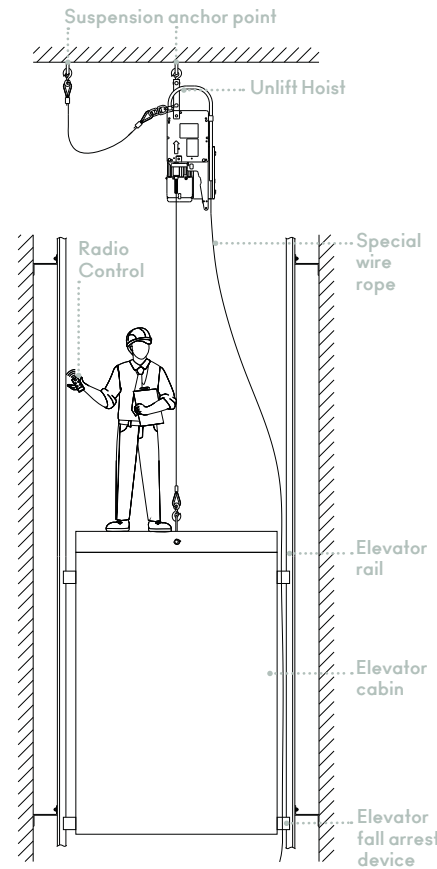


- A. Buzzer and light indicator
- B. Overload indicator light
- C. Hour meter
- D. External power
- E. Hand switch
- F. Emergency

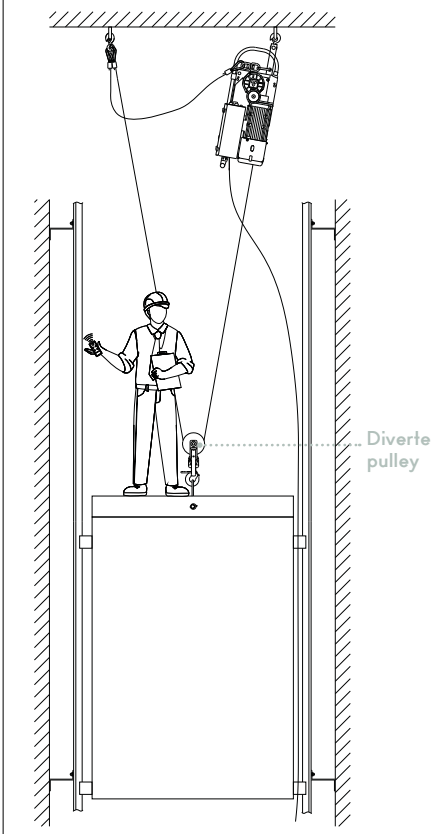
✓ Compliant with
EN1808:2015
Directive 2006/42/EC

Installation methods

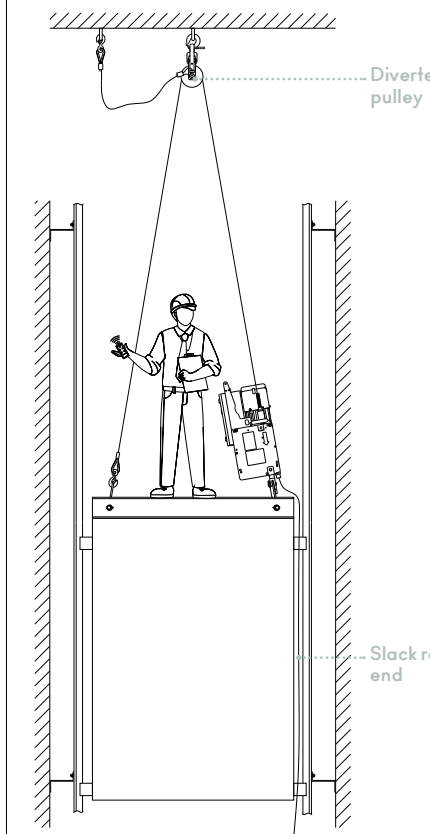
Typical application on an elevator cabin with single capacity hoist.



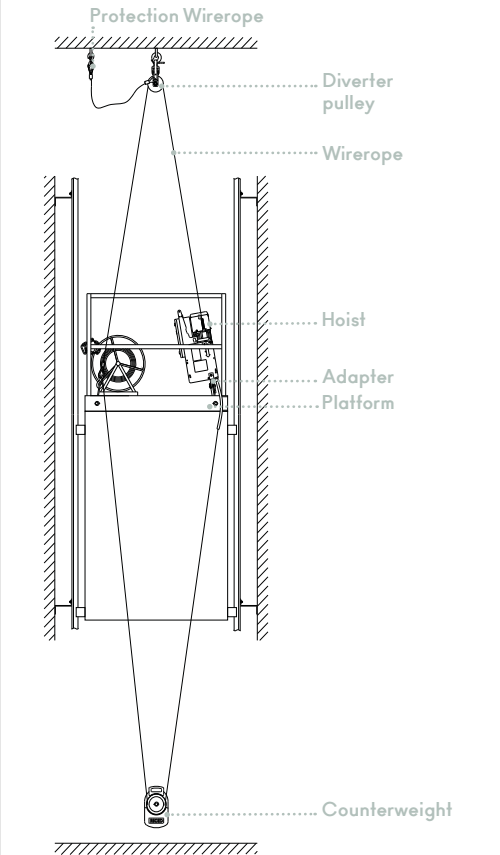
Typical application on an elevator cabin with double capacity hoist.



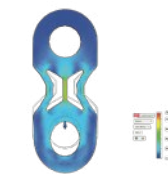
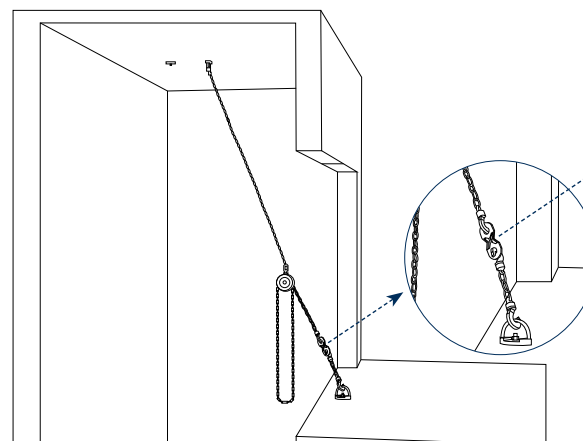
Application on an elevator cabin with double capacity of the hoist.



Application on an elevator cabin with double capacity of the hoist and accessories.



Test plates for anchor point control



Plates to guarantee the safety of the anchor points for lifting equipment braking up when reaching a specific load and confirm that the anchor point withstands the necessary load.

Overspeed safety fall arrest device



The overspeed safety device is automatically activated when the lowering speed on the cable exceeds 30m/min (0.5m/s). The special integrated clamping jaw mechanism made of special hardened steel, blocks the suspende load immediately on the wire rope.