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PLATFORM LIFTS

APL7 Hydraulic Goods Lift

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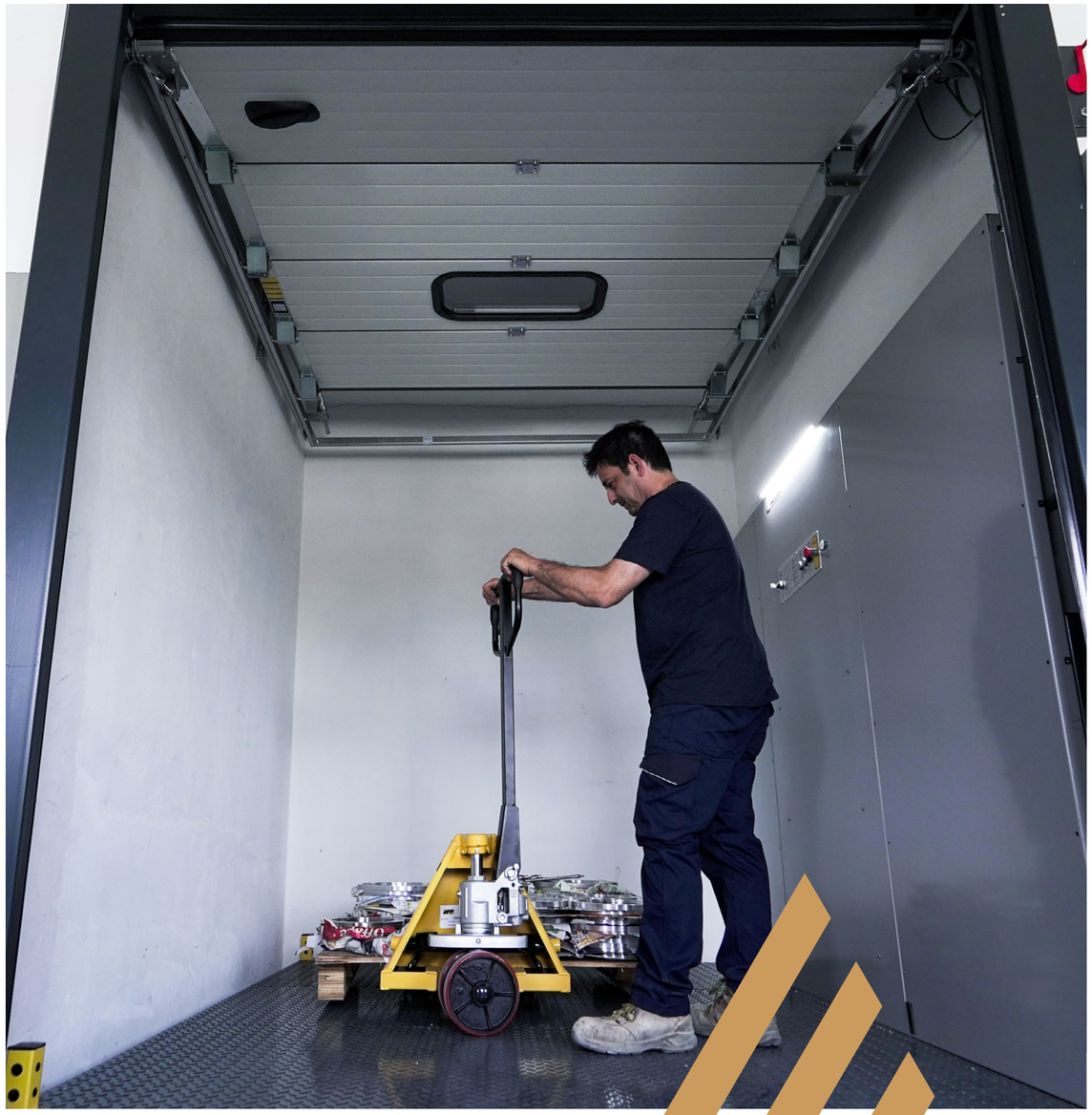
Single cylinder hydraulic lifting system certified for transport of goods and one operator on board. Capacity ratings from 300kgs up to 2500kgs.



Maximum capacity (kg)	300	600	1000	1500	2000	2500
Maximum travel (m)	7	7	16	16	16	16
Number of stops	5	5	5	5	5	5
Accesses	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3
Platform depth (mm)	1300	1300	2000/2500	1700/1900	2000/2400	1800/2000
Platform width (mm)	1700	1700	2800/2500	2500/1900	2800/2400	2500/2000
Pit (mm)	120	120	150	150	250	250
Minimum headroom (mm)	2150	2150	2150	2150	2150	2150
Brackets distance (mm)	600	600	1000	1000	1000	1000
Guide gauge (mm)	660	660	1000	1000	1000	1000
Cylinder load (kN)	12	18	30	35	40	45
Minimum speed (m/s)	0.10	0.10	0.10	0.10	0.10	0.10
Maximum speed (m/s)	0.15	0.15	0.15	0.15	0.15	0.15
Floor operation	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
On-board operation	Operator on board	Operator on board	Operator on board	Operator on board	Operator on board	Operator on board
Power supply	Single-phase	Single-phase	Three-phase	Three-phase	Three-phase	Three-phase
Switchboard	Pre-wired	Pre-wired	Pre-wired	Pre-wired	Pre-wired	Pre-wired
Clamping levelling device (standard)	1	1	2	2	2	2
Additional mechanical hooks (total)	3	3	4	4	4	4
Anchoring walls	1	1	1	1	1	1
Number of cylinders	1	1	1	1	1	1
Basic motor (kW)	1.5	2.2	3	4	4	5.5
Hydraulic oil	Supplied ISO32	Supplied ISO32	Supplied ISO32	Supplied ISO32	Supplied ISO32	Supplied ISO32
Pipe length (mm)	3000	3000	3000	3000	3000	3000
Maximum working pressure (bar)	80	95/115	90/120/140	110/145/180	145/195	165

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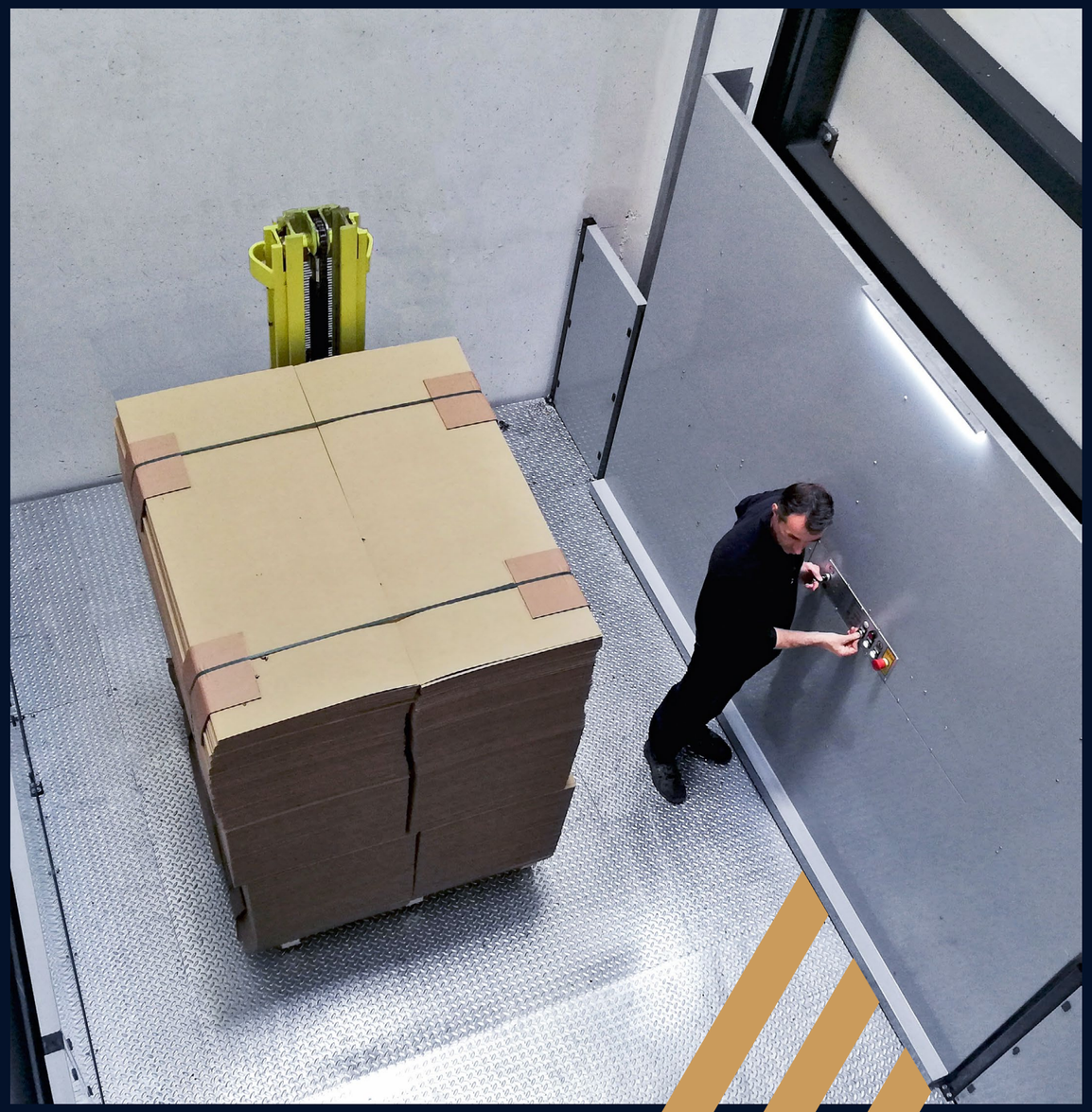
Two and four cylinder hydraulic lifting system certified for the transport of goods and one operator on board. Capacity ratings from 3000kgs up to 5000kgs.



	Standard					
Maximum capacity (kg)	2500	3000	3000	4000	4000	5000
Maximum travel (m)	16	16	16	16	16	16
Number of stops	5	5	5	5	5	5
Accesses	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3
Platform depth (mm)	2500	2500	3000	2500	3000	3000
Platform width (mm)	6000	5200	6100	4500	6000	6000
Pit (mm)	250	250	300	300	1150	1150
Minimum headroom (mm)	2400	2400	2400	2400	2200	2200
Brackets distance (mm)	1000	1000	1000	1000	1000	1000
Guide gauge (mm)	2100	2100	2900	2900	2500	2500
Cylinder load (kN)	38	38	40	48	25	30
Minimum speed (m/s)	0.10	0.10	0.10	0.10	0.10	0.10
Maximum speed (m/s)	0.15	0.15	0.15	0.15	0.15	0.15
Floor operation	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
On-board operation	Operator on board	Operator on board	Operator on board	Operator on board	Operator on board	Not available
Power supply	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase
Switchboard	Pre-wired	Pre-wired	Pre-wired	Pre-wired	Pre-wired	Pre-wired
Clamping levelling device (standard)	4	4	4	4	4	4
Additional mechanical hooks (total)	4	4	4	4	4	4
Anchoring walls	1	1	1	1	2	1
Number of cylinders	2	2	2	2	4	4
Basic motor (kW)	5.5	5.5	5.5	5.5	5.5	5.5
Hydraulic oil	Supplied ISO32	Supplied ISO32	Supplied ISO32	Supplied ISO32	Supplied ISO32	Supplied ISO32
Pipe length (mm)	3000	3000	3000	3000	3000	3000
Maximum working pressure (bar)	160	170	160	170	140	160

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Single cylinder hydraulic system with retractable roof and cabin for indoor or outdoor installations.

Maximum capacity (kg)	300	500	1000	1500	2000
Maximum travel (m)	7	16	16	16	16
Number of stops	5	5	5	5	5
Accesses	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3
Platform depth (mm)	1300	2000/2500	1700/1900	2000/2400	1800/2000
Platform width (mm)	1700	2800/2500	2500/1900	2800/2400	2500/2000
Pit (mm)	975	1400	1400	1400	1400
Minimum headroom (mm)	2500	2500	2500	2500	2500
Brackets distance (mm)	600	1000	1000	1000	1000
Guide gauge (mm)	660	1000	1000	1000	1000
Cylinder load (kN)	18	30	35	40	45
Minimum speed (m/s)	0.10	0.10	0.10	0.10	0.10
Maximum speed (m/s)	0.15	0.15	0.15	0.15	0.15
Floor operation	Automatic	Automatic	Automatic	Automatic	Automatic
On-board operation	Operator on board	Operator on board	Operator on board	Operator on board	Operator on board
Power supply	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase
Switchboard	Pre-wired	Pre-wired	Pre-wired	Pre-wired	Pre-wired
Clamping levelling device (standard)	1	2	2	2	2
Additional mechanical hooks (total)	/	/	/	/	/
Anchoring walls	1	1	1	1	1
Number of cylinders	1	1	1	1	1
Basic motor (kW)	2.2	3	4	4	5.5
Hydraulic oil	Supplied ISO32	Supplied ISO32	Supplied ISO32	Supplied ISO32	Supplied ISO32
Pipe length (mm)	3000	3000	3000	3000	3000
Maximum working pressure (bar)	120	140	180	195	165

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APL7 Hydraulic **+ Attendant**

Operator on board

All of our goods lifts are certified for operator on board control.

This option has a specific outfitting which includes:

Protection panel

The operator is protected from moving parts by a 1800mm height painted metal panel.

Push-button panel controls

Dual control with hold-to-run to ensure operator safety.

Emergency dialer system landline or GSM.

Automatic descent to the lower floor in case of power failure.

Perimetral photocells

The perimeter of the platform is controlled by double-ray photocells to ensure the correct positioning of goods and operator safety.

Chain-loosening sensor

The safety coefficient of the chains is above 8, and a sensor controls the slackening of each chain.

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Enclosure

Standard

The standard system includes the lifting platform, which can be equipped with different accessories.

On-board parapets

Available as 1100mm (standard height) or 1800mm (maximum height).

Parapets are made of blind metal sheet cladding (painted RAL9006) and are installed on one, two, or three sides of the platform.

Finishes

Different surface treatments suitable for any application.

Hot-dip galvanisation for systems exposed to bad weather conditions, or where higher protection from aggressive agents is required.

Elements such as sliding guides and cylinders can be treated with special paints, such as anti-acid zinc primer or marine cycle paint, for greater resistance to saline atmospheres.

For food industries, all surfaces can be made of stainless steel AISI class 304 or 316.

Standard painting

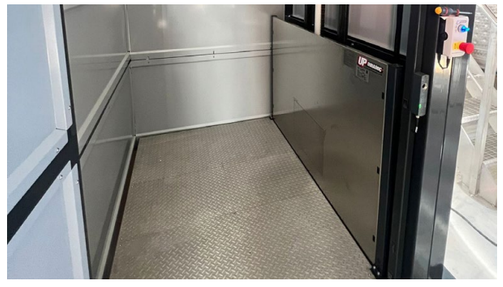
Epoxy 21 powder paint available in standard colours RAL7016 and RAL9006 metallic.

Outdoor installation

Customisable paint with options for corrosive enviroments, including anti-acid zinc or marine primer.

Stainless steel

Appropriate for food processing industries, stainless steel is available on class 304 or 316, with the option for smooth or embossed metal sheets.



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Metal structure

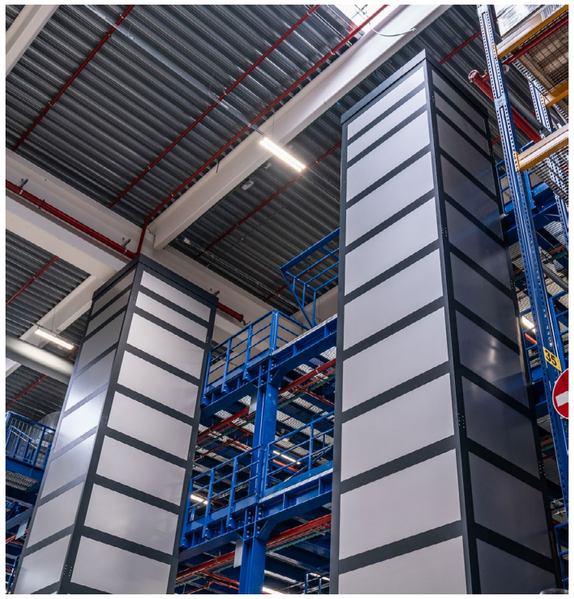
Custom

In the absence of a supporting wall, we provide a metal structure for each type of plant. Anchored in the pit and on the landing planes, buffered in blind sheet metal or sandwich panels with internal and continuous smooth wire.

Self-supporting

The structure is completely self-supporting and designed for both UP3 and UP6 systems.

The structure does not need anchoring to landing plans and is a suitable solution for industrial mezzanines.



Landing doors

We can supply different landing doors (manual or automatic) depending on the application. These doors are compliant with safety regulations.

Swing doors

Heavy-duty swing doors, compliant with EN1090 safety standards

Fire doors

Where required, we can supply fire-rated doors (EI60 and EI120) with safety locks.

Roller doors

Max dimensions: 6000 x 5000mm.

Controlled by an interface card to disconnect motor power supply and includes a magnetic safety contact with RFID technology.

Available versions: roller shutter, sectional door. Standard colour: RAL 9006.

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U-cloud

From goods lift to the cloud

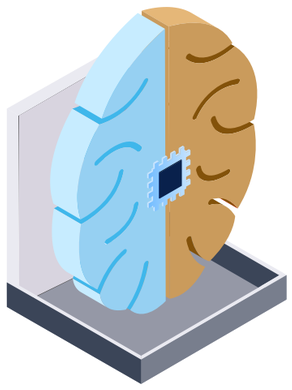
All the information and data of your goods lift at your disposal on your U-cloud.

Predictive maintenace

Check your goods lift indicators in real time for predictive maintenance.

Integrated remote monitoring

Integrated remote monitoring allows you to manage all your goods lift installation in one portal.



Smart Industry

Interconnect your good lifts with other Industry 4.0 automation.

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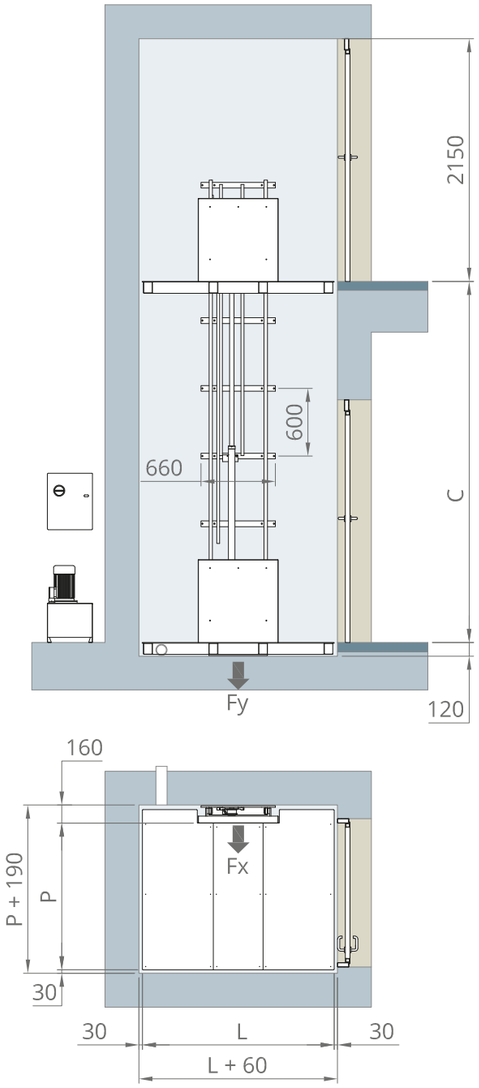
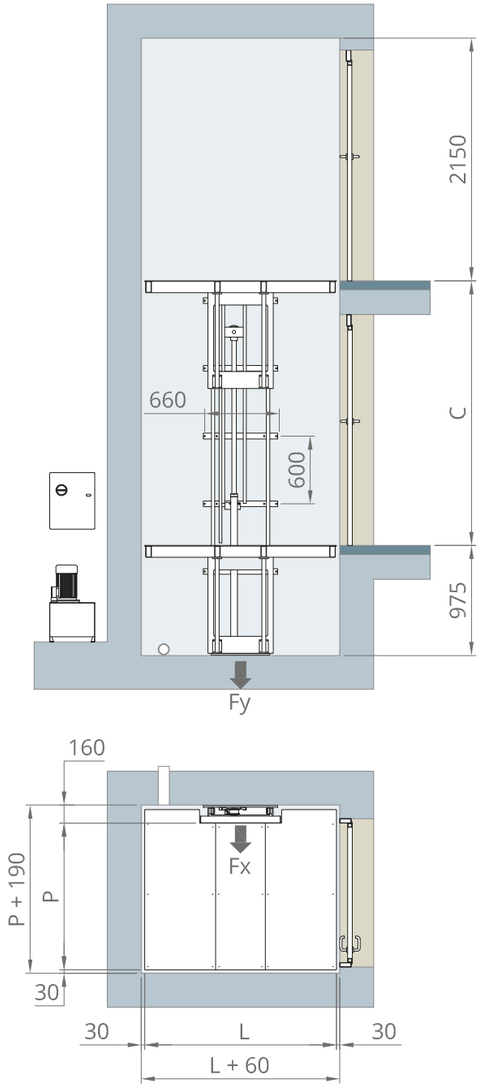
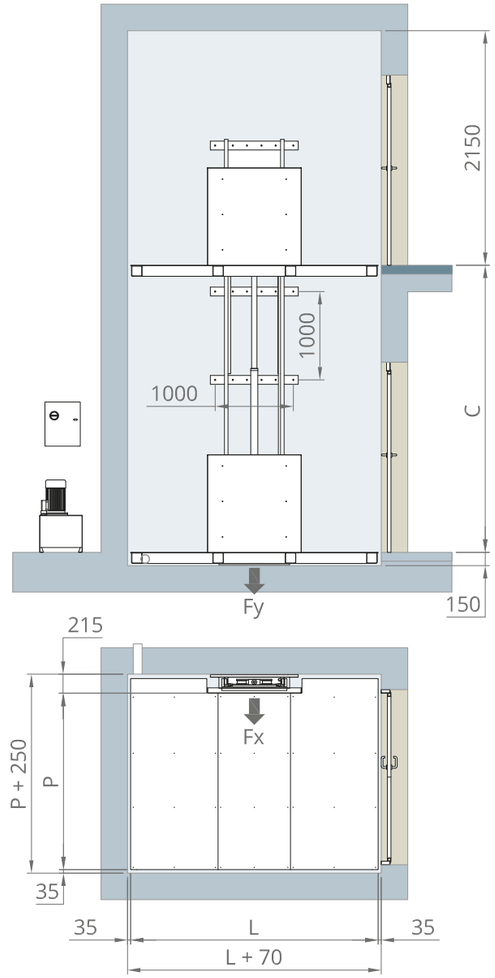
Single cylinder 300/600kg



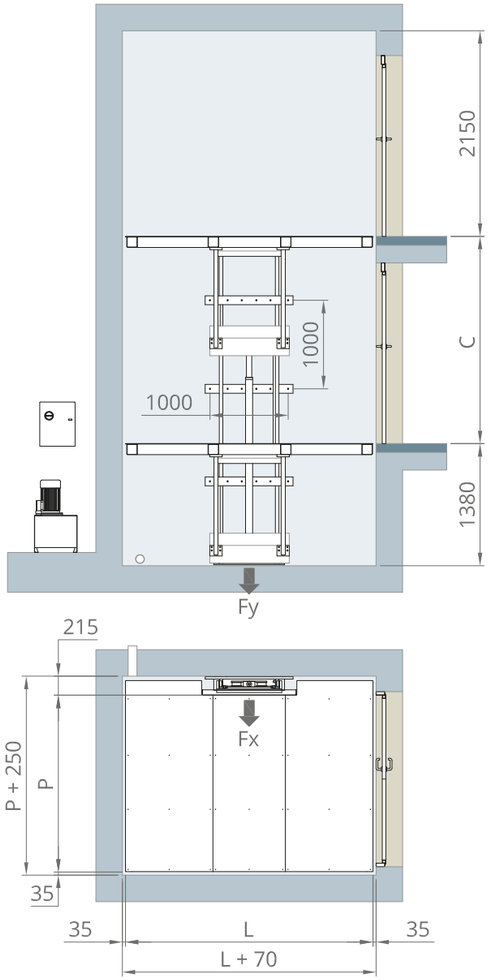
Single cylinder 300/600kg with reverse trolley



Single cylinder 1000/1500kg



Single cylinder 1000/1500kg with reverse trolley



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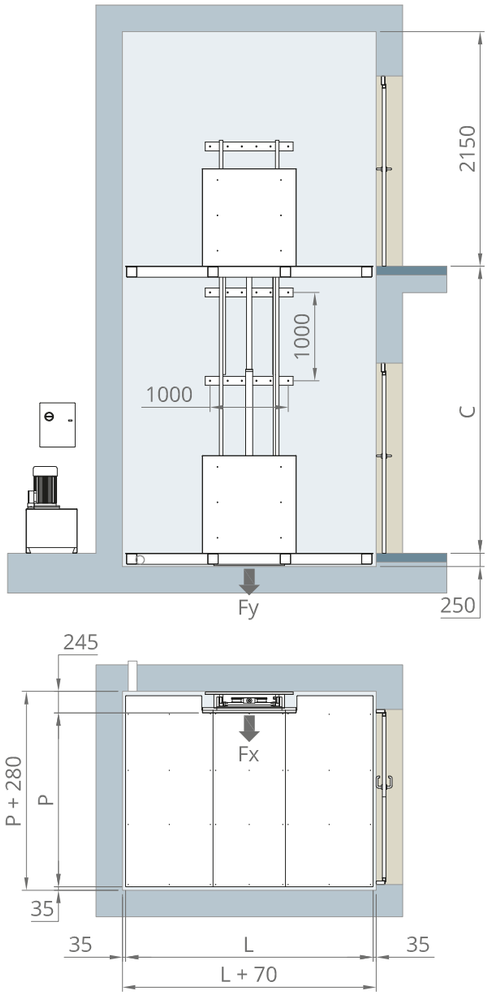
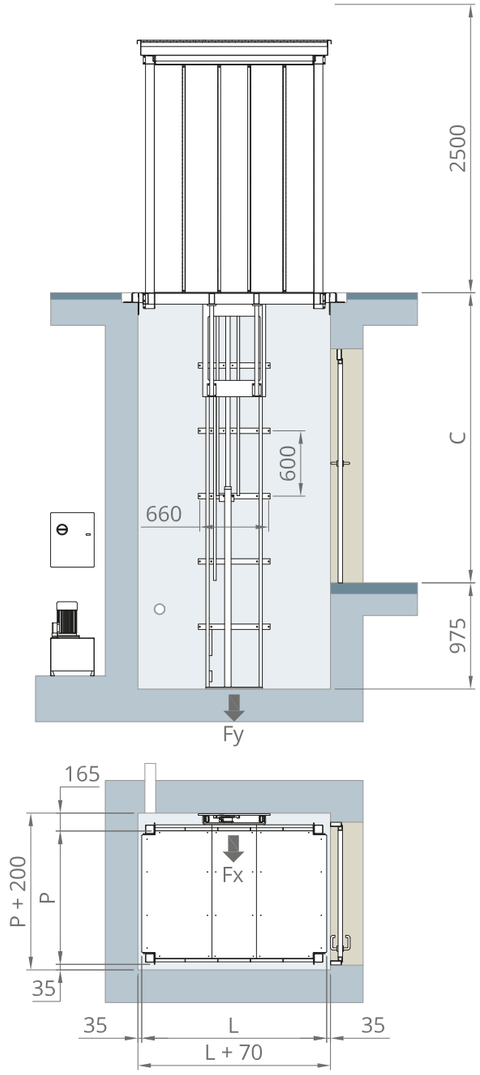
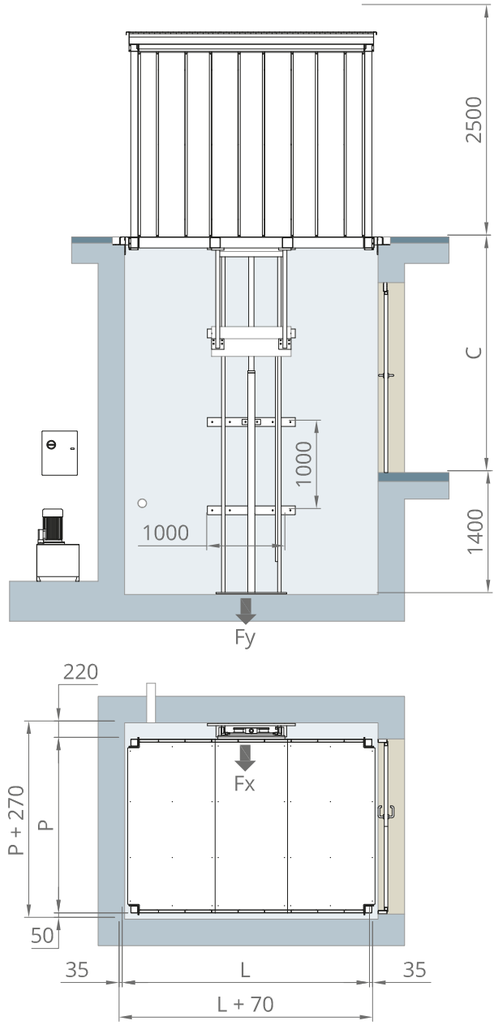
Single cylinder 2000/2500kg



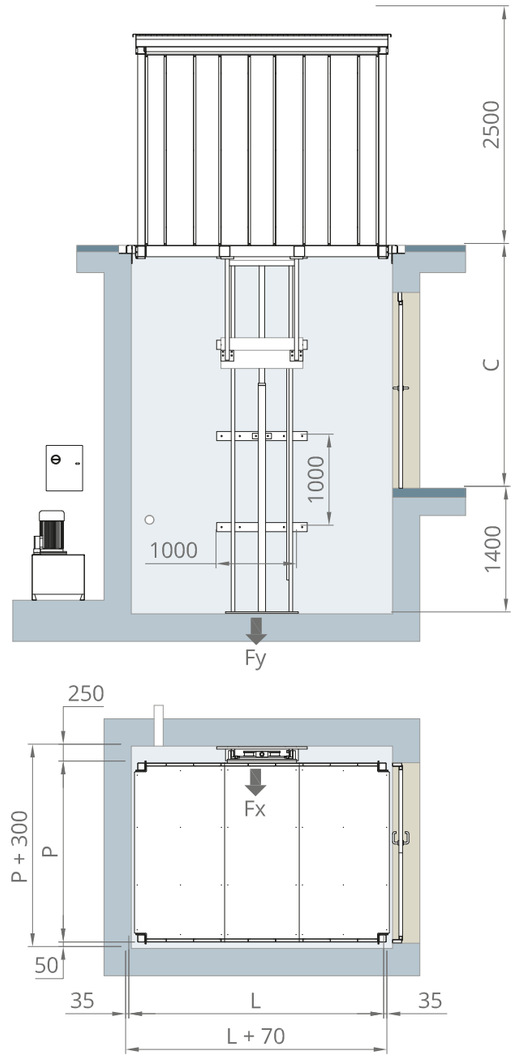
Single cylinder 300kg with retractable roof and cabin



Single cylinder 500/1000kg with retractable roof and cabin



Single cylinder 1500/2000kg with retractable roof and cabin



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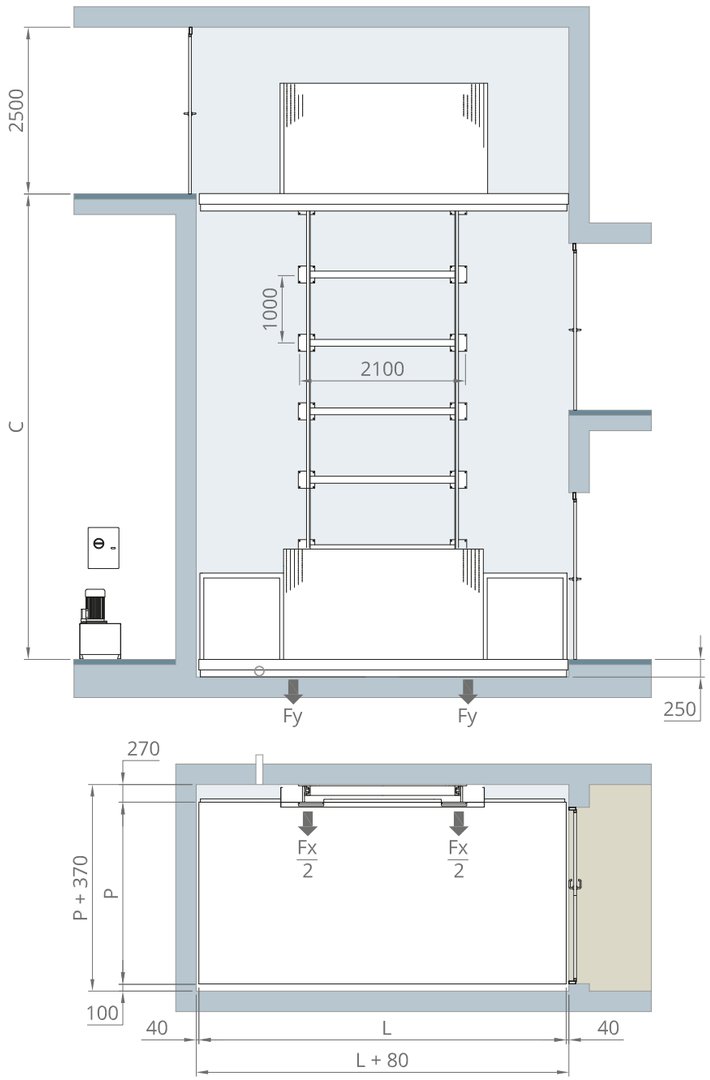
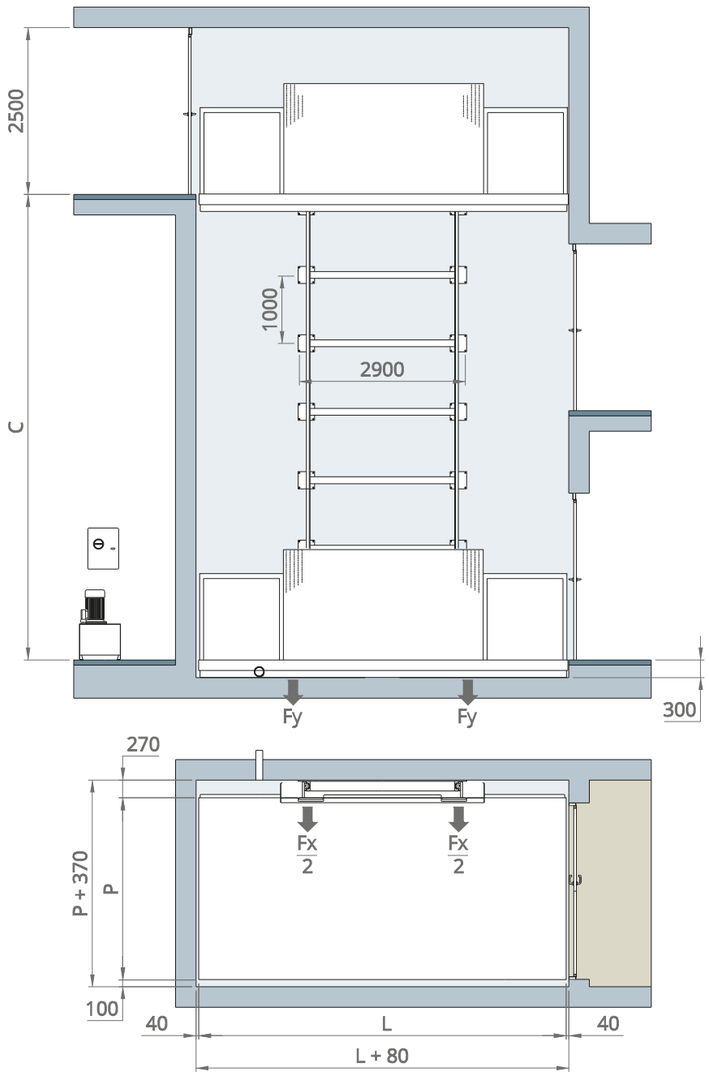
2 cylinder
2500/3000kg



2 cylinder
3000/4000kg



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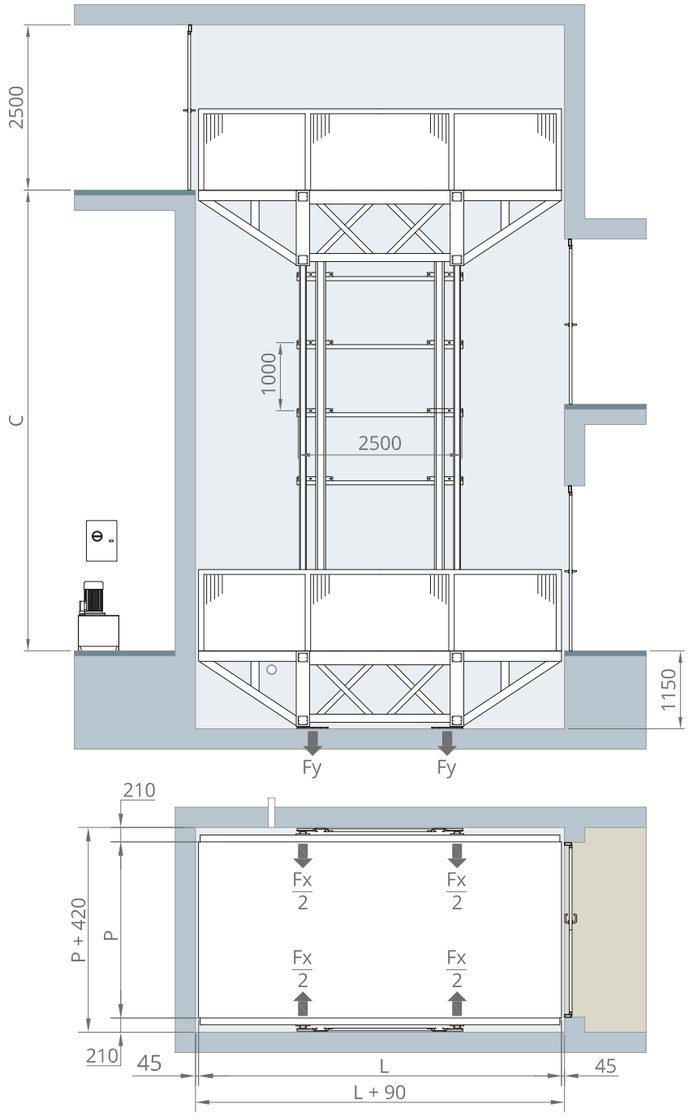
4 cylinder 4000/5000kg with reverse trolley



Notes

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