



KARACHAROVSKY
MECHANICAL FACTORY
SINCE 1950

Karacharovsky Mechanical Factory



The main parameters of elevator equipment structures



If you follow the long history of the Karacharovsky Mechanical Plant, you can see that along with the change of epochs in the construction and architecture of Moscow, the design and appearance of elevators changed, how their movement became fast and smooth, and stops became more accurate, how the security system was improved. Progress in the elevator industry has always responded not only to the five-year plans of the CPSU or competition - the main mechanism of the modern market, but also to the needs of the urban economy, the construction industry and ordinary consumers. There are no cities in Russia without elevators produced by Karacharovsky Mechanical Plant, the flagship of the domestic elevator industry. Every fifth elevator in Moscow is equipped with KMZ elevator equipment



Load capacity from 100 to 5000 kg



Speed of movement is from 0.5 to 2.5 m/sec.



- with a fire escape hatch
- elevators for transporting fire departments, fire resistance.



with a walk-through cabin, observation, for low-mobility groups of the population



with and without an upper engine room



1950-1960 rr



1960-1990 rr



1990- H.B.

Today, the plant's nomenclature includes more than 100 elevator modifications for all segments of the real estate market – residential, office and administrative buildings, hotels and shopping and entertainment centers, medical institutions and industrial facilities.

The production of elevator equipment for road and bridge construction facilities of urban transport infrastructure has been fully mastered, taking into account the needs of low-mobility groups of the population.

Our advantages



A full-cycle enterprise



The flagship of the domestic elevator industry



High quality and reliability – quality control at all stages



Coverage – all of Russia + CIS countries and neighboring countries



Unique production base, own testing center and laboratory



High production speed of a standard elevator from 10 working days.



A wide range of products – more than 100 models of LO



Extended warranty service*

*The warranty period can be extended optionally. Please contact the company's managers on this issue.



Modern and reliable control stations



The most modern winches



Frequency-controlled main and door drive – a guarantee of smooth running.



The solid light curtain of the doorway is a guarantee of your safety



Energy saving: Energy saving in standby and motion mode.



Strain gauges: perfect balance in any position..



Safety devices of own production



Video surveillance in the cabin for any model of elevator equipment*

*optional, if you have any questions about this configuration, please contact the company's



Model range «Sirius»

standard version



Administrative buildings



Residential buildings



Load capacity kg
400/630/1000



Movement speed
1.0\1.6 2.0 2.5 m sec..

- Doors: telescopic/ central automatic opening
- Minimalistic design - vertical compartment shields, control panel vertical module
- - Double-sided catchers
- Increased smoothness and noiselessness of movement
- - Stop accuracy of 10 mm
- - Microprocessor control station with the function of emergency evacuation of passengers
- - Side and rear cabin panels made of painted steel. Electrostatic powder coating
- Illuminated ceilings with spot LED lights
- - Floor covering: wear-resistant linoleum, corrugated aluminum
- - Thermopolished mirror. Installation on the side or back panel
- - Handrails of modern ergonomic shape. Single row, coarse, chrome-plated
- - Baseboard: painted, made of polished stainless steel
- - Control panel made of polished stainless steel



without a machine room




with an upper machine room




The model range «Sirius»


Version with options




Administration buildings




Residential buildings




Office buildings




Hotels



Shopping centres



Load capacity
400/630/1000 kg



Speed movement
1,0/1,6/2,5 m/sec

- Coupe panels: Ral painting, metal- plastic in assortment, stainless polished steel, Deco8, Deco9
- Floor finish: porcelain stoneware
- Voice informant
- Fan
- Video surveillance
- - TFT8 Monitor
- - Various options for finishing suspended ceilings
-





Model range «Pegasus»

Standard version



Administration
buildings



Residential
buildings

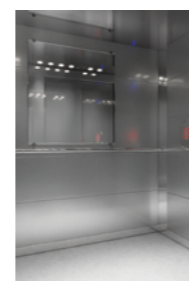
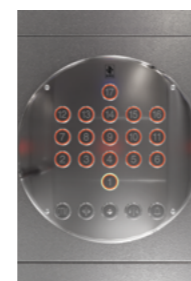


Load capacity
400/630/1000/
1600 kg



Movement speed
1,0/1,6 /sec

- Doors: telescopic / central automatic opening
- Minimalistic design, horizontal compartment shields, "pizza" control panel
- Double-sided catchers
- Increased smoothness and noiselessness of movement
- Stop accuracy 10 mm
- Microprocessor control station with the function of emergency evacuation of passengers
- Side and rear cabin panels: painted steel (RAL7035)
- Illuminated ceilings made of composite panel with spot LED lights
- Floor covering: wear-resistant linoleum, corrugated aluminum
- Thermopolished mirror. Installation on the side or back panel
- Handrails of modern ergonomic shape. Single row, round, chrome-plated
- Skirting board: painted, made of polished stainless steel
- "Pizza" control panel with LED backlight
- Stainless steel corners
- Fan
- Voice informant.



without a machine
room




with an upper machine
room




Model range «Pegasus»


Version with options




Administration buildings




Residential buildings




Office buildings




Hotels



Shopping centers



Load capacity
400/630/1000 /1600kg



Speed movement
1,0/1,6/2,5 m/sec

- Compartment covers: coloring by Ral, non-hardening polished steel, Deco8, Deco9
- Floor finish: porcelain stoneware
- Video surveillance
- -Monitor TFT8» Vertical post of orders (buttons round, square with backlight color blue, white, red)





Model range «Sirius comfort +»



Administration buildings



Residential buildings



Office buildings



Hotels



Shopping centres



Load capacity
400/630/1000 kg



Speed movement
1,0/1,6/2,5 m/sec

- Doors: telescopic central automatic opening
- Minimalistic design - vertical compartment shields, control panel vertical module
- Double-sided repeaters, protection system against uncontrolled cabin movement
- Increased smoothness and noiselessness of the ride
- Stop accuracy of 10 mm
- Microprocessor control station with emergency passenger evacuation function
- Side and rear cabin panels painted Steel RAL: 2 options gray, black)
- Original suspended ceiling with LED lighting
- Floor covering: porcelain stoneware
- Mirror installation on the back panel
- Handrails of modern ergonomic shape. Single row, round, chrome-plated
- Baseboard: painted
- Painted control panel



without a machine room



with an upper machine room





Model range «Onyx»



Administration buildings



Residential buildings



Office buildings



Hotels



Shopping centres



Load capacity
400/630/1000 kg



Speed movement
1,0/1,6/sec

- Doors: telescopic/central automatic opening
- Original and futuristic design in glossy black
 - vertical shields - compartment, control panel vertical module
- Microprocessor control station with emergency passenger evacuation function
- Side and rear cabin panels: Black metal plastic (Lampre technology) - RAL 9005 (glossy black)
- LED lighting ceiling sliding to the side panels
- Floor covering: ceramic granite
- Mirror installation on the back panel
- Handrails of modern ergonomic shape. Single row, coarse, chrome-plated
- Metal plastic skirting board
- Flat control panel with LED backlight, 8» TFT screen
- Double-sided elevator traps and speed limiter, protection system against uncontrolled cabin movement and the ability to operate in both directions of cabin movement and patented in the territory of the EAEU.



without a machine room

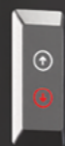


with an upper machine room






01




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Elevator Altius




Administration buildings




Residential buildings




Office buildings




Hotels



Shopping centres



Load capacity
400/630/1000 kg



Speed movement
1,0/1,6/2,5 m/sec

- Doors: telescopic/central automatic opening
- Vertical wide shields
- Minimalistic design - vertical compartment shields, control panel vertical module
- - Double-sided catchers, protection system against uncontrolled cabin movements
- - Increased smoothness and noiselessness of movement
- Stop accuracy of 10 mm
- Microprocessor control station with the function of emergency evacuation of passengers
- Rear and side panels made of decorative stainless steel
- Suspended ceiling with LED lighting
- Floor covering: porcelain stoneware
- Thermopolished mirror, Installation on the back panel
- Handrails of modern ergonomic shape.
- The control panel is flat made of polished stainless steel.



without a machine room



with an upper machine room



01

01

01A





Panoramic elevator



Administration buildings



Office buildings



Hotels



Shopping centres



Load capacity
400/630/1000 kg



Speed movement
1,0/1,6/sec



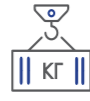
The model range of new generation overview elevators with a load capacity of up to 1000 kg, a movement speed of up to 1.6 m/s is made using three-layer tempered glass, which opens up a wide range of views from the cabin to passengers, combined versions of the observation and closed cabin walls are possible.



Line of freight elevators «Atlant»



Administrative
buildings



Load capacity
: 100/500/1000/
2000/3200/5000 kg



Movement speed
up to 0.5 m/sec.

- wStop accuracy up to 20 mm
- Control using push-button devices in the cabin and on floor platforms External, internal, mixed
- Cabin: metal shields painted with powder paint RAL7035 or metal shields made of stainless steel
- Shaft doors: hinged, double-leaf, manually opened, telescopic automatic opening
- Floor: rigidly fixed, reinforced
- Versions: with a walk-through cabin, with an impassable cabin
- Lattice cabin doors of the «Bostvig» type
- Automatic doors



with a lower machine
room



with an upper machine
room



Line of small freight elevators «Alcor»



Cafes and restaurants



Shopping and
business centers



Supermarkets



Load capacity
100/250 kg



Movement speed
up to 0.5 m/sec

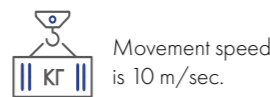
- Lifting height up to 45 meters
- Movement speed: up to 0.5 m/s
- External control
- Cabin: metal shields painted with powder paint RAL7035 or metal shields made of stainless steel
- Elevator shaft: metal-framed, powder-painted, brick with a black reducer



with worm gear



The line of elevators for medical and preventive institutions «Medius»



- Stopping accuracy 5-10 mm
- Door opening up to 1200 mm
- Telescopic Automatic Opening shaft doors
- Cabin: metal shields painted with powder paint or enamel RAL 7035 metal shields made of stainless steel
- Control: internal or internal with a conductor
- Versions: with a walk-through cabin, with an impassable cabin
- The cabin area allows you to transport a patient with medical equipment
- Features: - Stop accuracy
- Smooth running
- No vibration
- Possibility of priority call of cabins to the desired floor without passing stops



without a machine room



with an engine room



Technical parameters

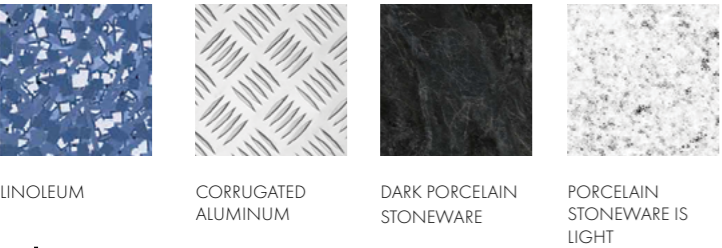
Side and rear panels of the cabin



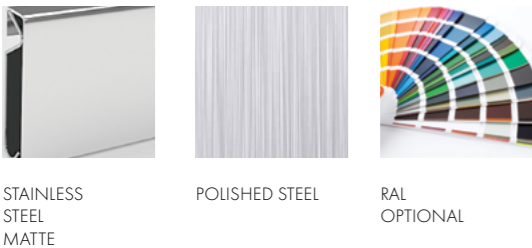
Metalloplast



Floor covering



Skirting



Handrails of modern ergonomic shape

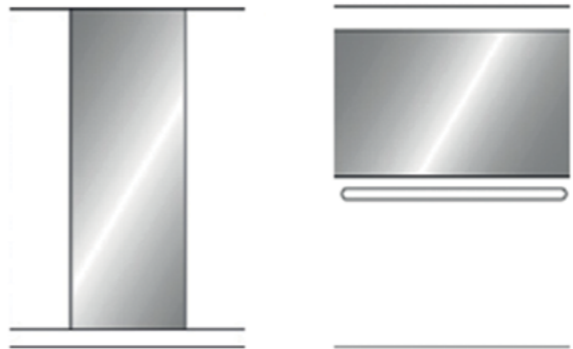


Floor indicators



Brushed or polished stainless steel, RAL

Mirrors



Installation on the side or back panel

Floor call panels



Mortise or patch, brushed or polished stainless steel

Command post



PAINTED STEEL

POLISHED STAINLESS STEEL

Information display



TFT DISPLAY: 8"

LCD DISPLAY

Consoles



The backlight is blue, red, white, with Braille

MAJOR REPAIRS



SIRIUS STANDARD



SIRIUS CONFIGURATION WITH OPTIONS



SIRIUS CONFIGURATION WITH OPTIONS



SIRIUS COMFORT



ALTIUS



ONYX



PEGASUS IS WHITE



PEGASUS STEEL

INCLUDED IN THE COST OF SERVICES:

- The price of the equipment.
- Expert examination of the elevator, which has completed the standard service life, and preparation of an opinion on its technical condition.
- Dismantling-installation of equipment, commissioning, construction finishing of the machine room, mine, pit.
- It is possible to complete the elevator with a modern dispatch control system.



Installation

- KMZ undertakes professional solutions to issues:
- Production of construction drawings for ordering and installing elevators for various purposes;
- Installation and commissioning of passenger, cargo and hospital elevators manufactured by KMZ on a turnkey basis;
- Installation and commissioning of individual or special purpose elevators;
- Installation of framing of mine doorways - construction and finishing works in the mine, engine room and elevator shaft pit;
- Obtaining a declaration of compliance with Technical Regulations «On elevator safety»;
- Any work to change the interior of the cabin compartment and elevator control systems.

For notes

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TOGETHER TO NEW HEIGHTS!

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