



ЕЛЕКТРОЛУКС Electrolux

Factory - Intelligent Engineering, Shop, Sales and Service

13114 SERIES FUNCTIONAL CHARACTERISTICS



A seat designed for use in auditoriums, theatres and lecture halls. Its acoustic absorption properties and carefully studied ergonomics perfectly meet the requirements of this type of facility. Its swivel backrest system provides it with a high degree of comfort while optimising the use of the available space so that it can be installed with the minimum distance between rows. When the seat is occupied, the backrest tilts backwards, gently accompanying the natural movement of the body, without any effort on the part of the user, until it reaches the appropriate ergonomic position for its use. This movement, which is controlled by a gas cylinder, occurs extremely smoothly.



The recliner mechanism, known as RK, is housed in the side of the seat. It is thus protected from outside agents, but still easy to get to if necessary. When the seat is not in use, the backrest automatically goes back into the vertical position without sticking out beyond the upright of the side of the seat. This greatly optimises the space for people to get by between rows and increases safety in the event of the need to evacuate the hall.

Ovo je svesnost na Electrolux-Bitola. Bez negovo pismeno odobruvanje istiot nesmee da se prepisuva, umnozava niti kopira bez soglasnost od Electroluks vo spratno se snosat posedici vo smislana clenovite 163 i 164 od kriticniot zakon R.M. (povreda na avtorsko pravo)

Electroluks is registered trademark of Elektroluks companies in Macedonia and other countries

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The seat also consists of a single-piece plywood board with a 13 mm-thick beechwood veneer. The structure of the backrest cushion provides an excellent balance between comfort and acoustic properties thanks to its sandwich-type construction. The first layer, which is in contact with the wooden backrest, is a wooden backboard to which is attached the second layer consisting of a 10 mm-thick foam conglomerate. The third is a layer of open-cell polyurethane with a maximum thickness of 3 cm and high acoustic absorption capacity. Between the upholstery and the foam of both the seat and the back, there is a 5 mm-thick TS System fire curtain that prevents fire from reaching the foam, thus slowing down the emission of toxic gases and flames. This is the fourth layer. The upholstery also facilitates acoustic absorption and constitutes the fifth layer. The whole assembly forms a block providing constant comfort sustainably over time, as it does not have any tensing systems that can suffer use fatigue and are therefore liable to go out of shape. The cushions are fixed to the seat and backrest in such a way that no anchoring devices of any kind are visible from the outside.

The seat tips up automatically thanks to a double, side-mounted ball-and-socket joint system (tested to 120,000 cycles) that requires no lubrication and is extremely quiet. The ball-and-socket joint mechanism is made of polyamide with a fiberglass load giving it high mechanical strength. This system is not liable to upset the geometrical balance of the seats as often happens with systems based on counterweights which result in the seat tipping up irregularly and consequently falling out of alignment.

The seat, backrest and arms assembly is supported by two side panels joined together by a central steel bridge. This central bridge contains the ball-and-socket housings -with a locking mechanism- which receive the seat's hinge pins.

There is a metal base at the bottom of the sides by which the seat is attached to the floor without any screws or other anchoring objects being visible. This base is painted with polyester powder paint that is highly resistant to external agents (dirt, humidity, etc.) At the top they end in solid wooden arms that are upholstered, like the sides, in natural leather or lacquered black. The arms can also be made of solid wood varnished with fully fire-resistant two-component polyurethane.

The distance between the axes of the seats can vary between 55 and 58 cm.

The upholstery is made using traditional methods, with special care taken over the details and the techniques used, so that no studs, staples or metal joints are visible.

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TECNICAL CHARACTERISTICS

STRUCTURE:

- Steel plate and tube, welded with continuous arc.

POLYURETHANE FOAM:

- Seat density : 60-65 kg/m³
- Back density : 50-55 kg/m³

PAINT:

- Electrostatic powder Polyester
- Coating thickness: 70-80 micras
- Grid adherence: UNE-EN ISO 2409: 100%

UPHOLSTERY:

- Fire Standars

Spain: UNE-EN 1021 Part 1 & 2

France: NF/P 92507

Italy: UNI 9175 Clase 1.IM

USA: CAL T.B. 133 (in approved fabric)

FINISHED PRODUCT :

- UNE-EN 12727 Level 4 (intensive use).

ALUMINIUM:

- Material: UNE L-2630
- Density : 2,7 gr./cm³
- Breaking Load: 20 kg/ mm²

PLYWOOD:

- Beech plywood pressed.

WEIGHT:

- 25 Kg.

VOLUME:

- 0,18 m³ (disassembled)

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