Technical data of the inclined platform lift Mod. SLIM

Inclined platform lift for transport of disabled persons, conforming:	EEC 2006/42/EC (EN ISO 12100; EN 81-40). EEC Electromagnetic Compatibility 2014/30/EU.
Load capacity:	250 kg or 300 kg as an option.
Travel:	Straight, with bends and changes of gradient, 30 meters max; longer travels have to be evaluated by the technical department.
Speedy:	0,10 m/s max.
Gradient:	Variable, from 0° unto 55° (with inclination between 0° and 19° a third rail will be added). For the lifts with capacity 300 Kg. the inclination can vary from 20° to 55°.
Rail overall Projection:	95 mm with standard fixings to supporting wall.
Overall dimensions with platform in upright position:	305 mm min with standard fixings to supporting wall.
Platform dimensions (L × W):	750×600 mm; 750×650 mm; 750×700 mm; 850×700 mm; 1000×800 mm; 1250×800 mm.
Stair width:	975 mm min. (platform 750×700 mm with fixing to supporting wall). 1130 mm min. (platform 1000×800 with fixing to supporting wall).
Version:	Right or left hand version, set on installation, by means of electrical settings.
Operation:	Indoor and outdoor; operating range -15°C +60°C.
Fastening:	Standard with screw-anchors or chemical anchors to a supporting wall. With stanchion posts to the steps.
Nominal voltage required:	100÷240 Vac - 50/60 Hz
Voltage auxiliary circuits:	24 Vdc
Maximum power	2,2 kW
Drive system:	Traction by a steel cable supported by nylon spheres at high wear resistance. It is operated by a special gear controlled by an irreversible reduction gear and electric motor which is equipped with an electromagnetic brake acting for electricity shortage.

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Manual emergency operation: The handwinding of the lift and the safety barrier arms with the manual raising of the platform, enable you to fold the unit to the minimum overall dimensions to clear the stairs in case of emergency.

Controls: ON BOARD: Constant pressure type, low tension, for upwards and downwards travel and parking (platform in upright position) using touch button panel; wander lead for attendant control on board.

ON FLOORS: controls enabled at the floors by a removable key.

Operation: STANDARD VERSION: platform and safety barrier arms manually operated.

AUTOMATIC VERSION: platform and safety barrier arms motorised and completely controlled by a PLC logic.

OPTION: an automatic motorised device for frontal access with ramp that interacts with the positions of the bars.

Safety devices: Low tension controls; squashing, shearing and crash protection by means of safety micro-switches with compulsory breakdown; safety barrier arms and ramps blocked in safety position during the complete travel; emergency STOP with manual reset on board; electric limit switches and safety electric limit switches with compulsory breakdown; mechanical limit switches; safety brake and overspeed governor controlled by microswitches with compulsory breakdown; handles; anti-slip platform and ramps; detection and overload stopping system on the platform.

Order supply: Machine body RAL 7011; platform frame and floor RAL 7011; side safety edges RAL 9006; stanchions and/or fixings to wall and rails RAL 9006 or heat galvanized for outdoor installations.

Installation: The customer must prepare a dedicated power supply conforming the regulations in force, with min. section 2,5 mmq conductors (live, neutral, earth), protected by a residual-current circuit breaker (RCD) with maximal current of intervention equal to 30 mA class A category SI or 300mA class A and a 16 Ampere magnetothermic switch, curve C.

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