

## Inclined Platform Lifts - Savaria ES-125 - Specifications

### PRODUCTS

ES-125 P: PUBLIC MODEL (Drum/Cable driven, Machine Room required) by:  
**MOBILITY ELEVATOR, 25 Merry Lane, East Hanover, NJ - PH: (800) 441-4181  
or (973)887-7500 - FAX: (973)887-0442**

### STAIR PLATFORM LIFT: MODEL ES-125 INFORMATIONS AND DETAILS FOR TECHNICAL SPECIFICATIONS

#### 1. GENERAL POINTS

- CATEGORY OF ELEVATING DEVICE: Unenclosed stair platform lift
- NAME OF MANUFACTURER: Services Industriels Savaria Inc. (SIS)
- MODEL NUMBER: ES-125 Stairway Platform
- TYPE OF CARRIAGE: Platform for one wheelchair and its occupant
- RATED LOAD: 204 kg (450 lbs) one occupant and one wheelchair
- MAXIMUM CAPACITY: One person in its wheelchair
- RATED SPEED:  $V_{nominal} = 0.073$  m/s (14.5 ft/min) Approx.
- AVERAGE ANGLE:  $\alpha < 45^\circ$

#### 2. DRIVE UNIT

- TYPE OF DRIVE UNIT: ES-125 P Cable suspension, pulleys and winding drum
- SUSPENSION MEANS FEATURES: One cable 7 x 19,  $\phi$  4.76 MM ( $\phi$  3/16 in)  
Breaking load:  $F_{min} = 1\ 905$  kg (4 200 lbs)  
Galvanized steel aircraft quality cable
- SITE AND ACCESS TO DRIVE UNIT: Under the staircase  
Access: through a door at the side of the staircase (ES-125 and ES-125 P) or self enclosed at top landing (ES-125 Plus)
- DRIVE UNIT POWER: 0.373 kW (1/2 hp)  
Electrical release brake on motor (ES-125 Plus/ES-125 P)
- DRIVE UNIT SPECIFICATIONS Alternate current motor (AC): 115/208-230 volts  
Type: capacitor  
Reducing gearbox: Ratio: 50:1  
V-belt: Type: 4L 370  
Aluminum drum:  $\phi$  133.4 mm ((P 5.250) O.D.)  
Galvanized steel cable: 7 : 19,  $\phi$  4.76 mm ( $\phi$  3/16 in)  
Breaking load:  $F_{min} = 1\ 905$  kg (4 200 lbs) Aircraft quality  
Optional battery back-up system: Continuous current motor (DC) 12 volt Lead Battery (deep cycle) wet type 12 volts DC
- TYPE OF DRIVE UNIT: ES-128 PLUS ROLLER CHAIN X50 AND AIRCRAFT CABLE  
Breaking load:  $F_{min} = 2767$  kg (6100 lb)
- DRIVE CABINET: Cold rolled steel Height: 75"  
Length: 11"

Width: 8'

No Machine Room required for ES-125 Plus. The motor assembly is self enclosed at the top landing in a drive box

- **ELECTRIC CONTROL BOARD:** CSA or ETL (Warnock Hersey) approved  
Category: Controller for elevating devices for the handicapped No.: LR 96281  
CSA C22.2 No 14  
or  
94307 ETL(conforms to ANSI/UL STD 508)  
120 v; 60 hz; 9,5 A; 1 ph., 1/2 hp
- **CAR TRAVEL IN CASE OF EMERGENCY:** A manual winding steel cable device will be installed in order to move the platform. It consists of a lever which can easily be adapted to the gear box or to the motor (system operating on alternate current 110 v AC).  
In case of power failure, the electric motor will be powered by a 12 volt battery whose charge is permanently guaranteed by a charger which is incorporated in the electric pannel (12 v DC battery operated system only).

### **3. CARRIAGE**

- **CONSTRUCTION:** Structure: Steel tubing ASTM A 38
- **CARRIAGE PROTECTION:** All jamming is avoided
- **FOLDABLE ELEMENTS:** The platform can be folded manually for storage  
Motorized power folding platform (option)  
Distance of folded platform to the wall: 11' to 13" Distance occupied by unfolded platform: 33' to 38'
- **SAFETIES:** Emergency brake in case of steel cable failure (cam device working on a compression spring).  
Suspension cable slack switch.  
Under panel safety plate with horizontal and vertical action. Safety flaps and edges on access sides.  
Six(6) inches barrier on non access side.  
Height(8)inches security flaps on access side.  
Load sensitive power fold mechanism.  
Three(3) positions barrier arm.  
Manual lowering and raising device.  
Electro mechanical break on motor.  
Anti-shear plates on carriage.  
Emergency stop buttons on car and at landing.  
Keyed call/send station.  
Audio visual alarm.  
Attendant hand-control

### **4. PLATFORM**

Low voltage controls (24 V)Final limit switch

- **USABLE INSIDE DIMENSIONS:**  
Residential:915 mm x 700 mm (36 in x 27.5 in) surface: 0.641 m<sup>2</sup> (993 in<sup>2</sup>)  
Public: 1118 mm x 730 mm (44 x 28.75 in)

0.816 m<sup>2</sup> (1265 in<sup>2</sup>)  
1219 mm x 762 mm (48 x 30 in)  
0.929 m<sup>2</sup> (1440 in<sup>2</sup>)

Custom platform size available

- CONSTRUCTION: Platform: steel tubing ASTM A36 Anti-skid surface
- RECOMMENDED VERTICAL CLEARANCE: 1500 mm (59 in)
- SAFETY FLAP: Positive mechanism powered by cable  $\phi$  3 mm ( $\phi$  0.125 in)

Residential:

Height: 127 mm (5.00 in)

Length: 725 mm (28.5 in)

Public:

Height: 203 mm (8.00 in)

Length: 762 mm (30.00 in)

## 5. OPERATION

- OPERATING DEVICE SITES: (May vary from province, states and local codes)  
The controls are the continuous pressure type.  
The operating devices are situated: at a height of 765 mm (30 in) on the car  
Up button (black)  
Down button (black)  
Emergency stop (red)  
Key control At 1000 mm from the floor at upper and lower landings  
Up button (black) Down button (black)  
Emergency stop (red)  
Key control Spring loaded rocking button for power folding action at landing call station.

## 6. FINISHES

One(1) coat of primer and two(2) coats of 'Almond' beige acrylic urethane paint on all steel surface. Custom colors available on request.

## 7. OPTIONS

- Battery operation
- Foldable seat
- All weather package
- Support tower
- Custom platform size
- Audio visual alarm
- Side loading platform
- Adjustable cable deflector
- Three(3) positions barrier arms
- Hand held pendant control