

X12 VERTICAL PLATFORM LIFT SYSTEMS

GENERAL

110 VERTICAL PLATFORM LIFT SYSTEM: Optimum 350 (standard 900mm wide)

- System supplier: Ability Lifts Limited, Khepera Business Centre, 9 Orgreave Road, Sheffield, S139LQ. Tel:0845 006 8803 sales@abilitylifts.co.uk
- Maximum vertical travel distance: 1000mm.
- Number of levels served (including lowest): 2 maximum.
- Arrangement: Free standing, self supporting structure
- Lubrication: Manual
- Capacity: 300KG
- Speed: 20mm per second
- Drive type: Hydraulic cylinders with a 24Vdc Hydraulic Powerpack
- Machine room: Integral.
- Pit: Not applicable

Controls:

- Operational: "Hold to run" operation on the platform.
Emergency stop button on platform
Post mounted call stations with Up and Down rocker switch
- Emergency: Manual lowering facility

SYSTEM PERFORMANCE

210 DESIGN:

- Design: Open vertical platform lift system.
- User group: Ambulant and wheelchair users.
- Environment: Internal or external

220 SYSTEM PERFORMANCE:

- General: To BS 6440
- CE Marked in accordance with the Revised Machinery Directive (2006/42/EC)
- Building Regulations approval evidence: Part M.
- Rated load: 300KG
- Rated speed (maximum): 20mm per second

X12 Vertical platform lift systems (continued)

PRODUCTS

310 PRODUCTS GENERALLY:

- Standard: BS 6440

350 LIFTING PLATFORM:

- **Platform floor dimensions:**
- Width: 900 mm. (other sizes available)
- Depth: 1450 mm.
- Floor: Non-slip vinyl (grey).
- Safety : platform and ramp safety sensitive devices

351 LIFTING EQUIPMENT:

- Width: 1104 mm. (other sizes available)
- Depth: 1890 mm (ramp down)
- Construction: Bleu Nobel 700 Sable powder coated, steel faced galvanised, other colour optional
- Fire rating: None
- Minimum width required: 1404mm (for installation)

370 GATE TO UPPER LANDING:

- Arrangement: Open through
- Clear width opening: 900mm on short side
- Door operation: Manual opening with self closer electrically and mechanically interlocked. Automatic operation optional.

400 POWER:

- Supply: 230V, 1ph, 13A, 50Hz
- Type and location: Lockable isolator adjacent to lift.
- Emergency lowering: Manual lowering facility accessed via control cabinet/tank unit
- Initiation: Soft start

X12 Vertical platform lift systems (continued)

410 SECONDARY POWER:

- Type: Battery backup

420 LIGHTING:

Not applicable

430 OPERATIONAL CONTROLS:

- Control system: Microprocessor based.
- Operation: Constant pressure
- Audible indication: Arrival chime with voice annunciation Optional
- Push buttons: Flush and tactile.
- Platform console: Destination, alarm and emergency stop buttons.
- Landing controls: Rocker switch control (key switches optional)
- Alarm: External audible sounder .

440 EMERGENCY CONTROLS:

- Emergency lowering: Manual lowering via control cabinet/tank unit.

450 ACCESS CONTROLS:

- Type: Self locking key locks.

460 SIGNS AND NOTICES:

- As per regulations.

EXECUTION

620 INSTALLATION GENERALLY:

- By installation team of 2

COMPLETION

910 TESTING AND COMMISSIONING:

- Standards: Machinery Directive
- Operational tests: Weight/load test
- Test certificate: 1 hard copy and 1 electronic copy on CD

920 ELECTRICAL INSPECTION AND TESTING:

- Electrical inspection and testing: Machinery Directive & manufacturers Recommendations

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930 NOTICES AND INSTRUCTIONS:

- Standard: As per regulations.
- Emergency lift evacuation procedure: In user's Manual
- Single line diagrams: In user's Manual
- Maintenance instructions: To Machinery Directive.

935 EQUIPMENT LABELLING:

- Switches, controls, enclosures and terminations: Clearly and indelibly label describing their purpose. Identify the off position.

970 DOCUMENTATION:

- Operation and maintenance instructions: Yes.
- Record drawings: Yes.
- Certificates: Yes.
- Number of copies: 2.
- Instruction manual: Yes.
- Number of copies: 2.
- Content: Drawings and diagrams necessary for normal use of the lift, emergency use, rescue, maintenance, repair and periodic checking.
- Log book: Individual for each lift.

975 TRAINING

- Timing: At time of installation
- Scope to include:
 - Daily operation
 - Cleaning and daily care
 - Emergency passenger release procedure

980 MAINTENANCE:

- Servicing and maintenance: Optional
- Duration: Minimum 2 per annum