

X12 VERTICAL LIFT SYSTEMS – PR1 Vertical Platform Lift

GENERAL

110 VERTICAL LIFT SYSTEM – Alta Lifts, PR1 Series

- Maximum vertical travel distance: 15000mm.
- Number of levels served (including lowest): 8 maximum.
- Arrangement: Support required to one side or self supporting structure.
- Capacity: 400Kg
- Speed: 0.15m/s to Machinery Directive.
- Secondary Power: Battery back up.
- Drive type: Electric motor belt drive with inverter control
- Machine room: Located within Lift Footprint.
- Pit: 50mm standard, Ramp optional
- Lighting: In lift car. -Emergency: Yes – on car.
- Controls: Operational: One touch controls on landings, hold to run on car. Emergency: Push and twist to release emergency stop buttons. Automatic lowering and system controls from electrical enclosure

SYSTEM PERFORMANCE

210 DESIGN

- Design: Vertical lift system.
- User group: Ambulant and wheelchair users, general.
- Environment: Internal or external

220 SYSTEM PERFORMANCE

- General: To EN 81-41.
- CE Marked in accordance with the Machinery Directive (2006/42/EC).
- Building Regulations approval evidence: Part M.
- Rated load: 400KG
- Rated speed (maximum): 0.15m/s according to regulations.
- Duty cycle (maximum): 30/hour.
- Dwell time: 5 seconds.
- Lighting to landings and enclosed liftways (minimum): To BS 6440 and ISO 9386-1.
- Liftway fire rating: 1 hour fire rated doors.

PRODUCTS

350 Lift Cabin

- Manufacturer: Alta Lifts.
- Platform floor dimensions:
 - Width: 1100 mm. (600,700,800,900 & 1000 mm and bespoke sizes available)
 - Depth: 1400 mm. (600,700,800,900, & 1000mm and bespoke sizes available)
 - Height: 2000 mm. Lift cabin enclosed on all sides without a door aperture. Full range of finishes available.
- Handrail: Painted or Stainless steel.
- Floor: Standard Anti slip vinyl – light grey (10 colours available as standard, granite or aluminium finishes available or own floor up to 65kg).
- Lift cabin in any RAL colour with integrated auto-dialler or intercom, removable for servicing, (stainless steel, glass or bespoke cabin available) ½ Mirror to cabin wall optional
- Removable ceiling with safety contacts for maintenance
- Lighting: Ceiling Lighting panel including battery backup - min 50 lux at floor as per regulations.

351 LIFTING ENCLOSURE

- Width: 1356 mm (other sizes available)
- Depth: 1550 mm (other sizes available)
- Height: 2250 mm above FFL on top floor.
- Construction: Blockwork shaft in accordance with loadings or self supporting aluminium frame.
- Fire rating: 1 hour fire rated doors at landings.

370 DOORS TO LANDINGS

- Manufacturer: Alta Lifts or Scandanavian Lift Doors.
- Arrangement: entrance sides available on any three sides of shaft
- Clear opening width opening: 800, 900 or 1000mm
- Height: 2000 mm.
- Frame: aluminium (Anodised or RAL painted available)
- Finishes: Door and frames aluminium (Optional RAL painted, anodised or glass from range)
- Door operation: Manual or Automatic opening and closing, electrically and mechanically interlocked. Emergency opening with special key, requiring reset of lift from electrical cabinet.
- Door fire rating: 1 hour fire doors available as option.

400 POWER

- Supply: 240V, 1ph, 16A, 50Hz
- Type and location: Electrical Panel within foot print of lift shaft.
- Motor: 1.5kW.
- Motor Voltage: 240V, 1ph, 50Hz.
- Starting current: 8 Amps.
- Running current: 2-4 Amps.
- Emergency lowering: Automatic lowering facility accessed from electrical cabinet.
- Initiation: Soft start/stop controlled from inverter.

410 SECONDARY POWER

- Type: Battery backup source forming component part of lift assembly.

420 LIGHTING

- General lighting requirements: Ceiling with LED or fluorescent light fittings for low power consumption
- Emergency lighting requirements: 24v Battery.

430 OPERATIONAL CONTROLS

- Control system: PLC based
- Operation: Automatic from landings, hold to run from cabin
- Audible indication: Arrival sounder. On site programmable voice synthesizer with acknowledgments for direction, floor level, overload, emergency alarm, doors opening/closing, optional.
- Face plate: Stainless steel with LCD display floor level, scrolling arrow, out of service, overload indication.
- Push buttons: Flush and tactile and illuminated, 50mm diameter. Alarm, door re-open, Call buttons
- Emergency Stop: in cabin, in pit and on car roof
- Landing controls: Flush and tactile and illuminated, 50mm diameter (key switches, key pad, swipe card) optional.
- Pit and roof prop: Manual with electric interlock.

- Fire alarm interface: Volt free contacts – automatic descent to ground floor on activation
- Alarm: External audible sounder with battery backup.
- Communication: Faltcom Auto-dialler integrated into control panel with remote programming.

440 EMERGENCY CONTROLS

- Emergency lowering: Accessed from electrical cabinet at designated area with battery back up.

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 & 1 electronic copy on CD

920 ELECTRICAL INSPECTION AND TESTING

- Electrical inspection and testing: Machinery Directive & EN81-41 & manufacturers recommendations

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, in user's manual

935 EQUIPMENT LABELLING

- Switches, controls, enclosures and terminations: Clearly and indelibly labelled 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: On completion.
- Scope to include: Daily lift operation, User routine and general maintenance, Emergency passenger release procedure.

980 MAINTENANCE

- Servicing and maintenance: Included. -Duration: 2 per annum