

## X12 VERTICAL PLATFORM LIFT SYSTEMS

### GENERAL

- 110 VERTICAL PLATFORM LIFT SYSTEM – Gartec Prime 4000
- System supplier: Gartec Ltd. Midshires Business Park Smeaton Close, Aylesbury, Bucks, HP19 8HL. [sales@gartec.com](mailto:sales@gartec.com) Tel: 01296 397100 Fax: 01296 397600
  - Maximum vertical travel distance: 13000mm.
  - Number of levels served (including lowest): 6 maximum.
  - Arrangement: Free standing, mast support required to one short side.
  - Lubrication: Automatic.
  - Capacity: 225Kg
  - Speed: 0.15m/s.
  - Drive type: Stationary screw and rotating nut.
  - Machine room: Integral.
  - Pit: 50mm. Ramp optional
  - Lighting: Top of console.
    - Emergency: Yes – on platform.
  - Controls:
    - Operational: Constant pressure buttons on platform, one touch from landings.
    - Emergency: Battery lowering from platform.

### SYSTEM PERFORMANCE

- 210 DESIGN
- Design: Vertical platform lift system.
  - User group: Ambulant and wheelchair users.
  - Environment: Internal
- 220 SYSTEM PERFORMANCE
- General: To BS 6440, BS8300 and ISO 9386-1.
  - CE Marked in accordance with the Revised Machinery Directive (2006/42/EC) and EN81-41.
  - Rated load: 225Kg.
  - Rated speed: 0.15m/s.
  - Duty cycle (maximum): 30.
  - Dwell time: Variable.
  - Liftway fire rating: None.

### PRODUCTS

- 350 LIFTING PLATFORM
- Manufacturer: Aritco.
  - Platform floor dimensions:
    - Width: 805 mm.
    - Depth: 1080 mm. (880 mm available)
  - Height: 2200 mm console to one narrow side. Powder coated grey RAL 7042.
  - Handrail: Brushed aluminium to one side on console.
  - Floor: Anti slip vinyl – light grey (6 colours available as standard, rubber or aluminium finish extra).
  - Safety edge: Three sides of platform floor and to top edge of console.
  - Lighting: Controls illuminated including battery backup.



351 LIFTING ENCLOSURE

- Width: 910 mm.
- Depth: 1370 mm
- Height: 2380 mm above FFL on top floor.
- Construction: White (RAL 9003) vinyl coated double skinned steel panels filled with mineral wool. RAL colour and toughened & laminated glass panels optional. Glass sizes up to 2500mm.
- Lighting: Shaft lighting including timer.
- Fire rating: None.

370 DOORS TO LANDINGS

- Manufacturer: Aritco.
- Arrangement: 3 sides available.
- Clear width opening: 800mm.
- Height: 2000 mm.
- Door frame: Integral to shaft enclosure.
  - Finishes: Door and frames white powder coated (RAL 9003)
  - Furniture: Natural anodized aluminium.
- Door operation: Manual opening with concealed self closer, electrically and mechanically interlocked. Automatic operation optional.
- Door fire rating: None.

400 POWER

- Supply: 230V, 1ph, 20A, 50Hz
- Type and location: Lockable isolator within 2 metres and in view of lift located at the upper landing.
- Motor: 1.1kW.
- Motor Voltage: 230V, 1ph, 50Hz.
- Starting current: 10Amps.
- Running current: 4.7Amps.
- Emergency lowering: From platform or via external control panel.
- Initiation: Soft start.

420 LIGHTING

- General lighting requirements: Console with LED lights.
- Emergency lighting requirements: Battery.

430 OPERATIONAL CONTROLS

- Control system: Microprocessor based with service memory facility.
- Operation: Constant pressure buttons. Automatic from landings
- Audible indication: Arrival sounder. Voice synthesiser optional.
- Face plate: Natural anodised aluminium with coloured text.
- Push buttons: Flush and tactile.
- Platform console: Destination, alarm and emergency stop buttons.
- Landing controls: Call buttons with green/orange/red halos to indicate lift at landing, fault/security circuit broken or lift in use. School locking facility (key switches) optional.
- Pit prop: Manual with electric interlock.
- Fire alarm interface: Volt free contacts – automatic homing to ground on activation
- Alarm: External audible sounder with battery backup.
- Communication: Phone fitted as standard. Autodialler or intercom optional.



440 EMERGENCY CONTROLS

- Emergency lowering: Battery lowering from platform or via external control panel.

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 & EN81-41
- 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.

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: 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

