

X12 VERTICAL PLATFORM LIFT SYSTEMS

GENERAL

- 110 VERTICAL PLATFORM LIFT SYSTEM – Gartec 7000
- System supplier: Gartec Ltd. Midshires Business Park Smeaton Close, Aylesbury, Bucks, HP19 8HL. sales@gartec.com Tel: 01296 397100 Fax: 01296 397600
 - Maximum vertical travel distance: 13000mm.
 - Number of levels served (including lowest): 6 floors.
 - Arrangement: Free standing, mast support required to one long side.
 - Lubrication: Automatic.
 - Capacity: 410Kg as standard– 500Kg optional but requires 3 phase power
 - Speed: 0.15m/s.
 - Secondary Power: Emergency battery lowering from platform.
 - Drive type: Stationary screw and rotating nut.
 - Machine room: Integral.
 - Pit: 50mm. Ramp optional
 - Lighting: Top of shaft fluorescent as standard (LED Optional) and on console LED as standard.
 - Emergency: Yes – on platform (ceiling optional).
 - Controls: Constant pressure buttons on platform, one touch from landings.

SYSTEM PERFORMANCE

- 210 DESIGN
- Design: Vertical platform lift system.
 - User group: Ambulant and wheelchair users.
 - Environment: Internal
- 220 SYSTEM PERFORMANCE
- General: To BS EN81-41, BS8300 and ISO 9386-1:2000.
 - CE Marked in accordance with the Revised Machinery Directive (2006/42/EC) and EN81-41.
 - Building Regulations approval evidence: Part M (please note that some parts of Part M however, are passenger lift specific).
 - Rated load: 410KG (500KG available as option but requires 3 phase power).
 - Rated speed (maximum): 0.15m/s.
 - Duty cycle (maximum): 30.
 - Dwell time: Variable.
 - Lighting to landings and enclosed liftways (minimum): To BS EN81-41 and ISO 9386-1.
 - Liftway fire rating: None.

PRODUCTS

- 350 LIFTING PLATFORM
- Manufacturer: Aritco.
 - Platform floor dimensions as standard (other sizes available):
 - Width: 1100 mm.
 - Depth: 1480 mm
 - Height: 1100 mm console to one long side. Powder coated grey RAL 7042.
 - Handrail: Brushed aluminium to one side on console.

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- 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: 1530 mm
- Depth: 1630 mm
- Height: 2240 mm above FFL on top floor.
- Construction: Traffic White (RAL 9016) vinyl coated double skinned steel panels filled with EPS polystyrene as standard (Rockwool infill optional). RAL colour and toughened & laminated glass panels optional.
Glass panel sizes 736mm, 1472mm or 2208mm.
- Lighting: Shaft ceiling with lighting including timer.
- Fire rating: None.

370 DOORS TO LANDINGS

Type:	GL swing doors fully glazed or EI60 1 Hour fire rated with smoke seal
No of doors:	6 maximum
Fire rating:	None on GL Door or 60 minutes on EI60
Clear opening:	900 x 2000 mm as standard (other sizes available)
Door frame:	Integral to shaft enclosure
Finishes:	Door and frames white powder coated (RAL 9016).
Furniture:	Furniture natural anodised aluminium (Stainless Steel Optional)
Glass:	Glass panel 760 x 1520 mm on GL Door or 75 x 600mm on EI60 Fire Door
Door operation:	Manual opening with self closer (Automatic Opening optional) Electrically & mechanically interlocked

400 POWER

Supply:	230V, 1ph, 20A, (400v, 3ph, 20A Optional)
Supply location:	Lockable isolator within 2 metres and in view of the electrical cabinet
Motor:	2.2 kW
Motor voltage:	400V, 3ph, 50Hz (Single phase frequency control included)
Starting current:	18 Amp
Running current:	4.7 Amp
Controller voltage:	48VAC, 24VDC, 1ph, 50Hz
Emergency lowering:	Electrical emergency lowering controlled from platform
Initiation:	Frequency Control (Soft Start on 3ph)

410 SECONDARY POWER

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

420 LIGHTING

- General lighting requirements: Ceiling with fluorescent light fittings. LED lights optional.
- Emergency lighting requirements: Battery.

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430 OPERATIONAL CONTROLS

Control system:	Microprocessor based with service memory facility
Operation:	Platform - constant pressure button / Landings - one touch
Face plate:	Natural anodised aluminium with coloured text
Push buttons:	Flush & tactile
Platform console:	Destination, alarm and emergency stop buttons,
Landings:	Call button with green halo indication (Key switch optional)
Alarm:	External audible sounder
Pit prop:	Manual with electrical interlock
Audible indication:	Arrival sounder
Fire alarm interface:	Normally open volt free contacts
Call and send facility:	Initiated from platform
Communication:	Intercom providing two way voice communications as standard. Telephone, autodialler or autodialler with GSM unit optional. (required EN81-41)

440 EMERGENCY CONTROLS

- Emergency lowering: Battery lowering from platform as standard.

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 electronic copy

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.

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970 DOCUMENTATION

- Operation and maintenance instructions: Yes.
- Record drawings: Yes.
- Certificates: Yes.
 - Number of copies: 1.
- Instruction manual: Yes.
 - Number of copies: 1.
- 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 handover as standard (To end user optional).
- 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
- LOLER inspection and certificates included with first 2 maintenance visits.