





The Victoria&Albert Museum





The Victoria&Albert Museum

On September 2014 one of our best clients presented us a new challenge, which was to supply a hydraulic 10.650kg arts lift for one of the most important museums in the world, The Victoria&Albert Museum in Knightsbridge, London.

- The 10,650kg lift travels at 0.5m/s, serves 4 floors and 16.4m.
- Bucher 3-phase telescopic piston hydraulic equipment.
- The car is 6,600 (w) X 3,000 (d) X 3,500 (h) mm.
- The doors are 5,615 (w) X 3,100
- (h) mm Bolton shutter gates.

After it was carefully designed, the overall manufacture took 12 weeks and the result is a top quality equipment, ready to safely transport large art pieces for the world to see.

Building refurbishment was finished in summer f 2017 and lift was in service for "benefitial use" during the works.



TECHNICAL DATA

Lift type · Special Hydraulic direct acting 4 pistons

Roping ratio · Direct acting

Load capacity · 10650 KG

Travel distance · 16400 mm

Number of stops · 4

Speed · 0.5 m/s

Lift car

• Made to measure in accordance with architect's instructions.

.....

- Single entrance.
- Reinforced car with galvanized panels.
- Car dimensions: 6600X3000X3500 mm.
- Panels: Powder coated reinforced steel.
- Cops pushes: SCHINDLER type.
- Safety edge: N/A.
- Reinforced floor heavy duty stainless steel.
- Vandal resistant lighting with emergency backup 4 hours.
- The car is equip with 2 COPs.
- Car Bolton Shutter Gate 5615x3100 mm.

Lift car frame

The lift systems

- The car frame is built of high-resistance steel, resulting in easier installation, reducing the system's static load and making it extremely robust and sturdy.
- This type of support frame is particularly effective with a 1:1 roping ratio and, in line with European standards, is equipped with progressive safety gear.

Technical characteristics:

- (P + Q) max. = 22650 KG
- Max. speed = 0.5 metre/second.
- Max. passenger load = 149 persons.
- Max duty load = 10650 KG

Lift car guide rails

- Maker: SAVERA
- Type: T140-2/B

Hydraulic

Maker: BUCHER HYDRAULICS

- Number of pistons: 4
- Number of power units: 2
- Power: 48.9 KW
- Starting current (SS): 119 A
- Running current: 85 A
- radiated thermal output: 13.20 KW

Landing doors

- Maker: BOLTON
- Type: Shutter gate
- Clear opening: 5615X3000 MM
- Tracks: Reinforced steel

Lift car doors

- Maker: BOLTON
- Type: Shutter gate
- Clear opening: 5615X3000 MM
- Tracks: Reinforced steel

BUFFERS

- Maker: ACLA
- Model: 300.414
- Number: 4
- Max. strentgh: 20 KN

Pawl device · Yes

Rupture Valve · BUCHER LRV 701 1000-1001

UCM Device · BUCHER DSV 700-A3

Voltage · 415 VAC 50HZ

.....

.....

Shaft lighting voltage · 220 VAC 50HZ

Control system

Altamira II model, with distributed modular electronics and state-of-the-art CAN bus networking.

Basic characteristics of control system

- Single-lift control system, up and down collective.
- Four stops.
- Direct approach system with variable-frequency control.
- Includes phase failure relay and temperature control.
- Control of motor temperature.
- Intelligent control of lift car speed curve.
- On-line monitoring 24 hours/day.
- RS485 computer communication port.
- Special control system for loading and unloading artworks.
- Special lift-car control system using contactless smart cards for:
 - Independent service.
 - Out of service placement.
 - Cancellation of stops.

Applicable standards

EN81-2		
EN81-28		
EN81-73		



V&A Museum





V&A Museum



GA drawings 1/2



GA drawings 2/2



3D CREO File







Car pre-installation at the factory





Car pre-installation at the factory







Shaft installation



Shaft installation



nfo@gle.com.es • www.gle-lifts.com UK Mobile: (+44) 07745742342 (+34) 942 354 214 • skype: glespain1 Calle Raos-Galera, 33. 39600 Maliano (Cantabria) SPAIN