THE INTERNAL OR EXTERNAL

SIMPLE OPERATION

WATER POWERED HYDRAULIC LIFT

LOW MAINTENANCE

THE APOLLO WATER POWERED HYDRAULIC LIFT

Lifts for people with limited mobility – restricted use – water drive.

Travels 2 levels.

Water drive power with a direct acting cylinder each side of the lift car.

Lifting capacity of 250kg.

Travels at approximately 6 metres per minute.

Standard compliant AS1735 part 17.

Manufactured in Australia by a fully owned Australian family company.

Frame:

Fabricated from Aluminium

External Installation:

Owners choice of cladding can be attached directly to the supplied lift tower that can be supplied with 41m/s wind loading compliance and footing details. Cladding to be in compliance with the lift code.

Internal Installations:

The lift complete with tower can be fitted to a owners supplied shaft or have sheeting attached directly to the tower. Cladding to be in compliance with the lift code.

Landing Doors:

External Install – When doors are subject to the weather welded aluminium hollow section clad with smooth white colourbond material complete with concealed automatic door closer, full length pull handle and glass vision panel is used.
Internal Install – The landing doors are standard Readi Cote but owners choice of doors can be fitted if in compliance with the Lift Code. (the manufacturer reserves the right to approve the type and style of door).

Passenger Car:

Standard Lift Car is fabricated from a welded aluminium section frame lined with smooth finished white colourbond and trimmed with extruded aluminium mouldings with the folowing fixtures:

- Stainless Steel Handrail
- Non-slip floor coverings, indoor / outdoor carpet
- Emergency Telephone
- Two recessed downlights.
- Key lockable push button controls.
- Photo electric safety sensors across the car entrance

A Timber finish lift car is also available along with other custom finishes.

Machine Cabinet:

Painted Metal Cabinet 1800mm high X 600mm wide X 300mm in depth. This cabinet is to be located adjacent to the lift shaft and contains the following:

- Electrical Main Switch for the Lift.
- Cabinet Light
- Power Supply
- Electrical Control Board
- Pressure Pump
- Holding tank with level sight indicator
- Hydraulic Control Board
- Emergency Battery Back-up with charger
- Emergency instructions and tools

Electrical Controls:

All stations are key lockable with momentary operation only required. Illuminated indication is provided at the landing stations for car here. The illuminated indicators in the lift car indicate on acknowledgement of the call. A non-reversal timer of 5 seconds duration is fitted to the circuit to allow a rider in the car time to open the landing door once the lift car has stopped without the threat of the car being called from that level by another operator at a landing station.

Car Controls:

Complete with key lock, Up button, Dn button, emergency stop button, and car light button. The car lights will automatically turn On on calling of the lift from the other landing or on opening of a landing door or by breaking of the photo electric sensors and will remain on for a period of 3 minutes from the time of last activation. The car lights in the event of Mains Power failure will be powered automatically by the emergency stand-by batteries and will remain on until the battery power expires.

Features:

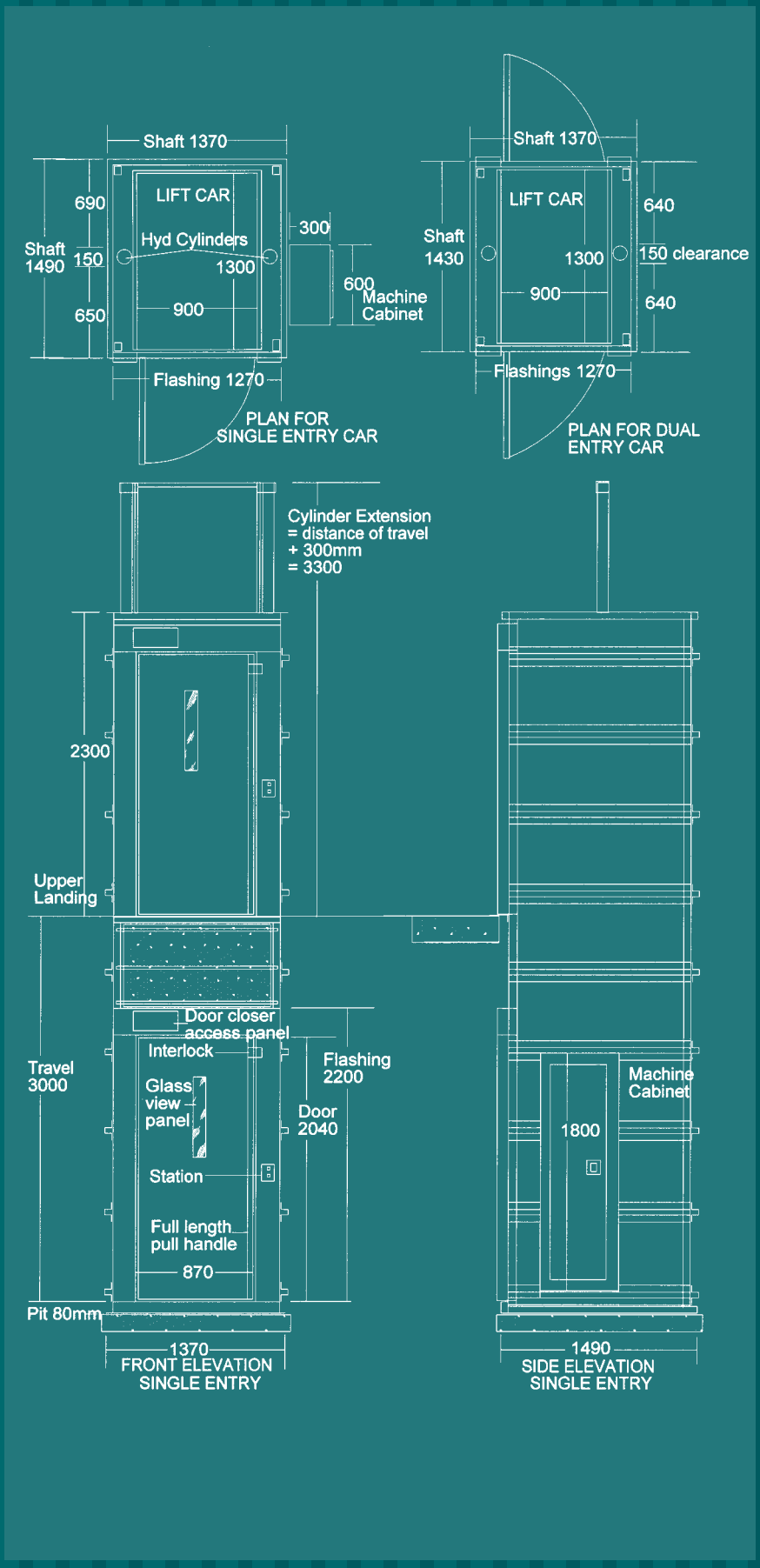
- Swing landing doors with automatic adjustable concealed door closers
- Landing doors fitted with automatic locking and proving when the lift car departs a landing.
- Velocity valve fitted to the hydraulics to control the downward speed of the lift car in the event of a hydraulic line failure.
- Emergency lighting to the lift car
- Emergency lowering facility provided in the machine cabinet
- Self diagnostic fault finding indication to the electrical circuit
- Automatic shut down with indication of the emergency batteries once their voltage drops below a safe level
- Motor protection provided by monitoring the time of travel between the landings and relevel time at the top landing. This is incoporated in the lift circuit to prevent a pump from continuous running in the event of loss of hydraulic fluid and destroying the hydraulic pump.

Top Landing Station:

Key controlled with a call button incoporating illuminated car here indication.

Bottom Landing Station:

Standard with Key lockable Call Send buttons to make available the option of sending the lift from the landing and securing the system by the key to prevent unwanted users from entering the lift car.


Shaft 1370
LIFT CAR
690
Hyd Cylinders
Shaft 1490
150
1300
300
600
Machine Cabinet
650
900
Flashing 1270
PLAN FOR SINGLE ENTRY CAR
Shaft 1370
LIFT CAR
640
Shaft 1430
1300
150 clearance
900
640
Flashings 1270
PLAN FOR DUAL ENTRY CAR
Cylinder Extension = distance of travel + 300mm = 3300
2300
Upper Landing
Door closer access panel
Interlock
Flashing 2200
Travel 3000
Glass view panel
Door 2040
Station
Full length pull handle
870
Pit 80mm
1370
FRONT ELEVATION SINGLE ENTRY
Machine Cabinet
1800
1490
SIDE ELEVATION SINGLE ENTRY