



SYMBIO

P.R.KING & SONS PTY LTD
FAMILY OWNED SINCE 1922



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With over 90 years of experience in the lift industry, P. R. King & Sons are experts in design, manufacture and installation.

Our dedicated team will be with you every step of the way, from purchase and installation to after sales support.



P. R. King & Sons Marrickville offices and showroom. 1960's



One of the first Inclinator. 1955



Window cleaning hoist, Sydney CBD. 1960's



'Inclinator'. 1960's



'Wecolator' stair lift. 1980's



Percy Robert King and his two sons, Lindsay (L) and Alex (R)



Winch for snowy scheme. 1950's

Our Pledge to You

At P. R. King & Sons, our customers are at the centre of everything we do.

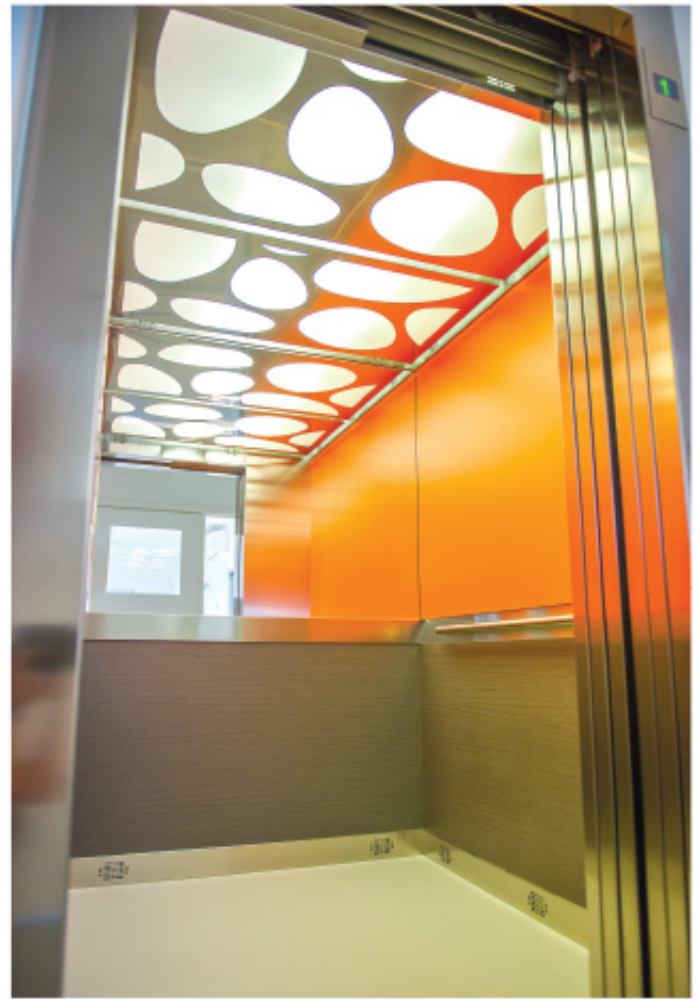
We are committed to providing you with a lift of the highest quality, backed up by first class customer service.

SYMBIO LIFT

Experience the luxury and quality of the Symbio Lift.

Combining contemporary style with superior engineering, the Symbio lift by P. R. King & Sons provides a smooth, comfortable, and efficient ride every time.

A machine-room-less electric lift ideal for buildings up to 5 storeys, it is equipped with a gearless machine, guaranteeing supreme energy efficiency and an extremely quiet and reliable ride.



ADVANTAGES

- **Space Optimisation**

No machine room means passengers enjoy more space inside the car. The control unit is instead installed in the landing door frame.

- **Smooth Travel**

The lift's portico frame features 2:1 suspension that ensures safe and comfortable travel.

- **Energy Efficient**

The gearless machine means the lift consumes very little power, far less than many other similar sized vertical lifts.

- **Ultra Quiet**

The gearless design means the Symbio produces little noise or vibrations.

- **Fully Customisable**

The Symbio has an extensive range of finishes and optional features that allow you to fully customise the lift to your needs and style.

- **Safety**

The Symbio has been extensively studied and safety tested, so users can enjoy with total peace of mind.



LIFT SPECIFICATIONS

Rated Load

The lift load can be rated to suit your needs. Whether you require a lift to transport 4 persons (300kg) or 44 persons (3000kg), the Symbio can handle it.

Rated Speed

The Symbio has an extremely smooth start and stop but in-between travels can vary from 0.63 metres per second up to 2.5 metres per second depending on your needs.

Power

The lift runs on 3 phase power but a single phase lift is possible. Restrictions do apply on the speed and weight when creating a single phase lift.

Shaft / Enclosure

The lift comes ready to fit in a purpose-built shaft (built by others). The shaft should be made of concrete or the like and be structurally able to take the imposed loads the lift will place on it. Alternatively, the lift can be ordered with an enclosure that takes the place of the shaft. Ask P. R. King & Sons for details.

Pit Depth

The lift typically requires a 1200mm deep pit. This complies with AS1735 for man clearance under the lift.

Size

Each Symbio lift is different and can be ordered in a range of interior sizes. Let us know the shaft dimensions and we can draw up a design for the maximum size lift available. Interior car sizes up to 1800mm x 2700 mm are available.

Headroom

The lift will need minimum headroom of 3700mm for the larger lifts (measured from the finished upper floor level), although a smaller headroom can be achieved on request.

Landing Doors

The lift can be equipped with either side sliding or centre opening doors. The door clear opening is typically 900mm but it can be increased up to 1600mm if required.



TECHNICAL SPECIFICATIONS

Nominal speed	0.63 m/s up to 2.5 m/s using 3 phase power
Nominal load	up to 3,000 kg
Cable	6.5 / 8 mm (>1,000 kg)
Output	2.0 up to 11.4 kw
Suspension	2:1
Standard headroom	3,800 mm
Standard pit	1,200 mm
Travel	up to 25 m
Control unit	Installed in door frame*

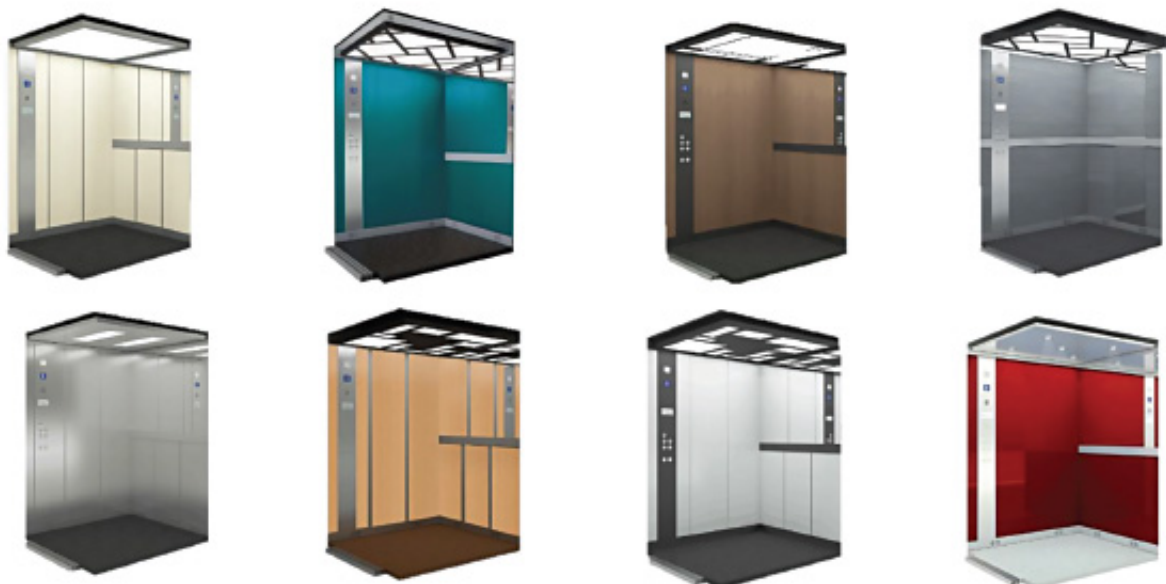
*When using automatic doors with 120 mm thick door frame.

A FULLY CUSTOMISABLE LIFT SOLUTION

Almost every element of the Symbio Lift's interiors is customisable, allowing you to design the perfect lift for your needs and space.



INTERIOR CONFIGURATIONS EXAMPLES (more options available)

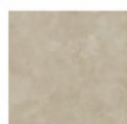


Colours/finishes subject to change without notice.

CUSTOM OPTIONS

FLOORING

Anti-Slip Rubber



Sand



Grey



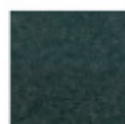
Grey Concrete



Granite



Blue Steel



Black



Beige



Smoked Oak

Artificial Stone



Black Stellar



Royal Reef



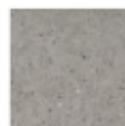
Phoenix



Merope



Iron Bark



Grey Expo



Cement Spa



White North

Metallic



Stainless Steel



Aluminium Chequer Plate



Steel Durbar

Rubber Stud



Black

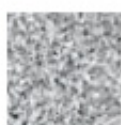


Grey

Natural Granites



Shivakashi



Quintana Grey



Rosa Porrino



Pearl Grey



Paradiso Bash



Juparana Colombo



Intense Black



Dark Labrador Blue



Blue Labrador Clear



Black South Africa



Andromeda



Crystal White

MIRROR CONFIGURATION



Mirror 1/2



Mirror 3/4



Full Mirror



Mirror Slat



Without Mirror

PROFILES / TRIM

Painted Plates



Grey RAL 7032



Grey Metallic RAL 9006



White RAL 9016



Black RAL 9005

Stainless Steel



Satin



Polished



Linen



Leather



Checks



Canvas

Skin Plates



Stainless Steel



Stainless Steel Look



Grey



Cream



Blue



Black



White

HANDRAILS



Straight Polished Stainless Steel



Curved Satin Stainless Steel



Curved Polished Stainless Steel



Curved Gold



Curved Black



Without Handrail

Colours/finishes subject to change without notice.

CUSTOM OPTIONS

WALLS

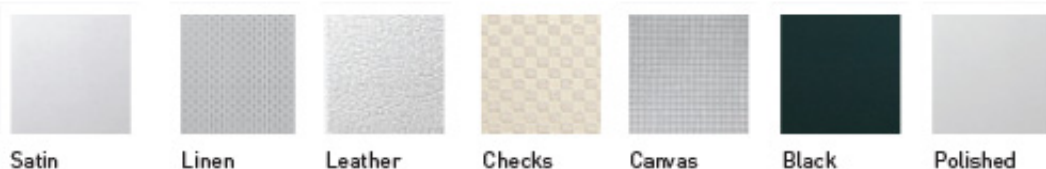
Melamine



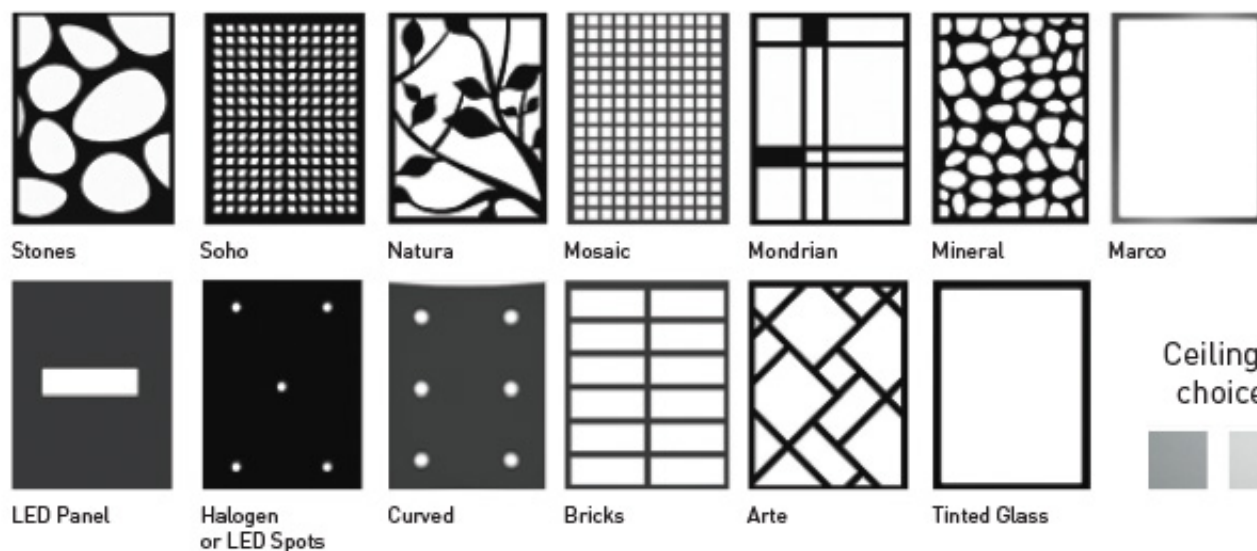
Laminate



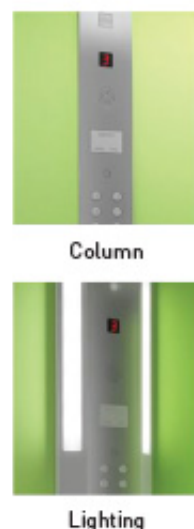
Glass



CEILING

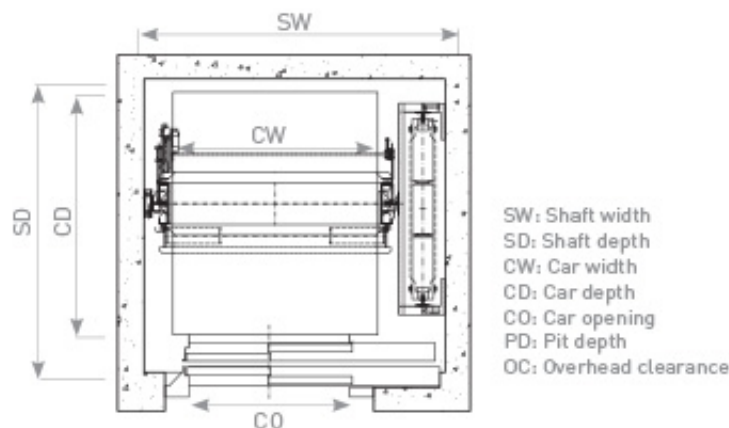


CONTROL PANEL



CONFIGURATIONS AND SIZES

Drawing of Landing

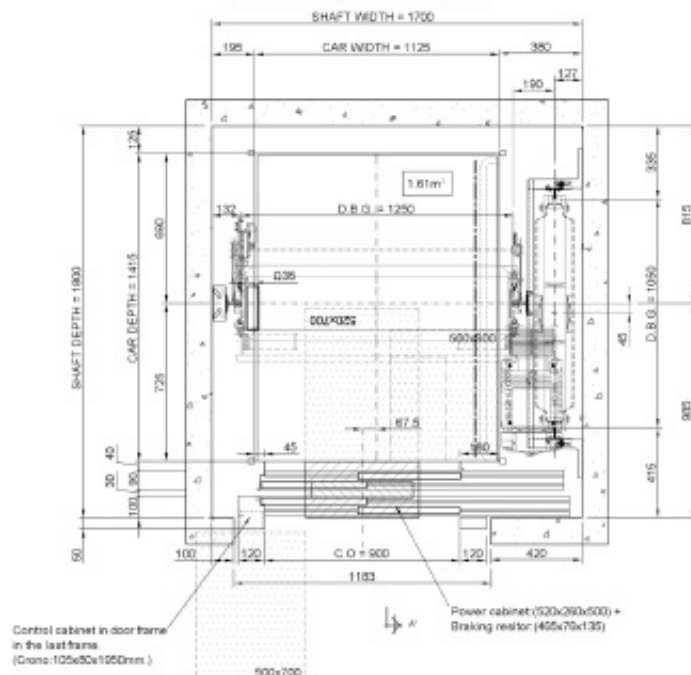


Typical Sizing

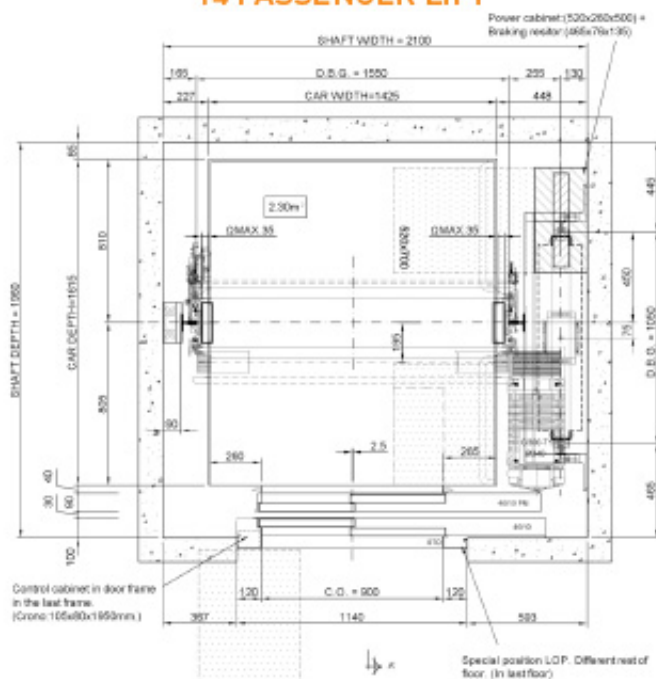
Q (Kg)	SW	SD	CW	CD	CO	PD	OC
630	1800	1950	1100	1400	900	1200	3700
1000	2100	1960	1400	1600	900	1200	3700
1650	2290	2445	1400	2100	1000	1200	3800

All measurements in mm.
More sizes are available and can be customised to suit.

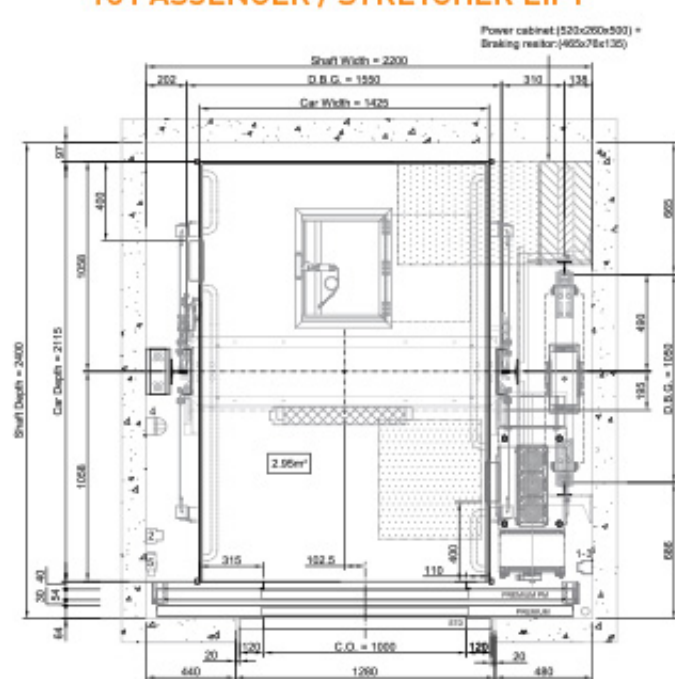
1100mm x 1400mm BCA Complaint 630kg 9 PASSENGER LIFT



1400mm x 1600mm BCA Complaint 1000kg 14 PASSENGER LIFT



1400mm x 2100mm BAC Compliant 1650kg 18 PASSENGER / STRETCHER LIFT



All dimensions subject to change without notice. Please ask P. R. King & Sons for site specific drawings for accurate dimensions.

In addition to the range of standard models we can customise the lift to meet your specific requirements.



P.R.KING & SONS PTY LTD

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