



STANDARD SPECIFICATIONS

A-Series Residential Elevator

This lift complies with this NZ Building Code Standard	NZS 4334:2012
These are the relevant NZ Building Code clauses for this class of lift, and this lift complies with all of these clauses.	B1, B2, D2/AS2, F8
Available Car Layout Options	Enclosed, Open
Available Car Sizes	To suit 1m x 1m and 1.2m x 1.2m lift shafts only. Car size depends on car type and layout, contact Powerglide for exact size.
Maximum passenger load capacity (kgs)	250kg
Maximum travel speed	150mm/second
Drive system	Direct acting electric-hydraulic using oil. Powered up, gravity down.
Guide system	Car mounted to a carriage, running on rails
Maximum number of stops	3
Maximum travel distance	7m
Car ceiling height	2.2m
Minimum lift shaft ceiling height required on rail wall	2.3m
Minimum pit depth required	300mm
Minimum cylinder hole depth required for lift travelling 3.6m	No hole required
Minimum cylinder hole depth required for lift travelling between 3.6m and 7m	1.8m deep, measured from bottom of pit
Lift shaft construction requirement (rail wall)	Wall can be constructed from any material and should be flush and smooth. Fixing points for rails will be required, contact Powerglide for specific details of this.
Lift shaft construction requirement (non-rail wall)	Wall can be constructed from any material and should be flush and smooth.
Car Frame Assembly	RHS Steel, painted
Standard Car Wall, Floor and Ceiling assembly	Melamine, Melteca and Bestwood products.
Door system	Client supplied and installed hinge door, hung flush with lift shaft interior.
Door latching safety system	Powerglide supply, client install. Double monitored electric strike with 3rd check on electric reed switch mounted remotely
Door opening/closing system	Manual by use of exterior and interior pull handles
Standard Lift car lighting	2 x LED spotlight by Powerglide (power supply to lights is 20 watts, 1 Amp, max current 20 watts)
Backup systems for power failure	Battery for safe exit and lights only





Lift plant room	Required to be separate from the lift shaft. Must be next to the lift shaft.
Required power supply to lift plant room	A 20 Amp permanent, dedicated 240V Non-RCD Single Phase supply with isolate switch.
Required power supply to lift shaft	None. Lift shaft lighting is supplied by Powerglide

