

PORCH-LIFT STATIC ANCHORING LOADS

Floor Loading of 'S' Model PL (36"x 60" platform, Ballscrew Drive)

Lift Model	Tower Wt. T lbs	Car	Payload	Rear	Front	Top	Minimum Support Ht. H inches	Uniform Floor Loading*** Footprint= 344 sq. in. psi
		Weight	Weight	Support*	Support*	Support**		
		C lbs	P lbs	R1 lbs	R2 lbs	R3 lbs		
PL S-36	386	390	750	809	716			4.43
PL S-50	424	390	750	845	719			4.54
PL S-72	483	390	750	900	723			4.72
PL S-96	548	390	750	961	727	524	75	4.91
PL S-120	613	390	750	1021	732	397	99	5.10
PL S-144	678	390	750	1082	736	320	123	5.28
PL S-168	743	390	750	1142	741	267	147	5.47

Floor Loading of 'S' Model PLH (36"x 60" platform, Hydraulic Drive)

Lift Model	Tower Wt. T lbs	Car	Payload	Rear	Front	Top	Minimum Support Ht. H inches	Uniform Floor Loading*** Footprint= 344 sq. in. psi
		Weight	Weight	Support*	Support*	Support**		
		C lbs	P lbs	R1 lbs	R2 lbs	R3 lbs		
PLH S-50	547	390	750	959	727			4.90
PLH S-72	641	390	750	1047	734			5.18
PLH S-96	743	390	750	1142	741	524	75	5.47
PLH S-120	846	390	750	1237	748	397	99	5.77
PLH S-144	948	390	750	1333	755	320	123	6.07
PLH S-168	1051	390	750	1428	762	267	147	6.37

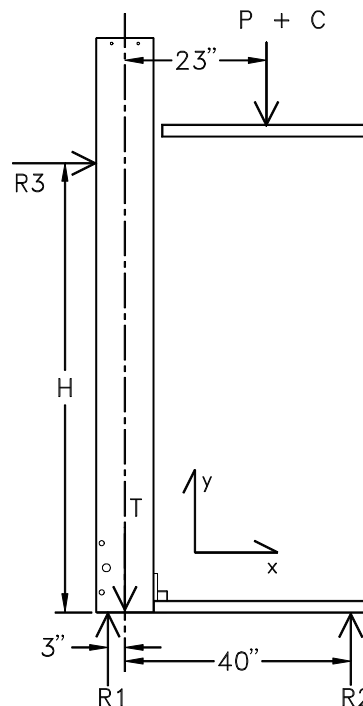
Notes:

- * Assume point loads at front and rear of cabinet.
- * Divide total loads per quantity of anchors
- * Loads are in Compression
- ** Loads are in Tension
- ** Minimum Safety Factor of 4 recommended
- *** Applicable only with level pad and no shims

Calculations do not include forces due to wind, seismic loading, or snow loading, and do not include forces due to acceleration.

See Porch-Lift Customer Application Drawing for recommended concrete pad detail.

Increasing support height(H) decreases R3 anchor load. Consult factory for details.



5/11/00
Revision C
MHJ