

Rail Guided Lift Systems LPST

Rail Guided Lifts (LPST) are designed for use where a work process is performed along a fixed linear work area. Ideal for areas with limited floor space. Minimal installation requirements with many lift options available.

GENERAL INFO

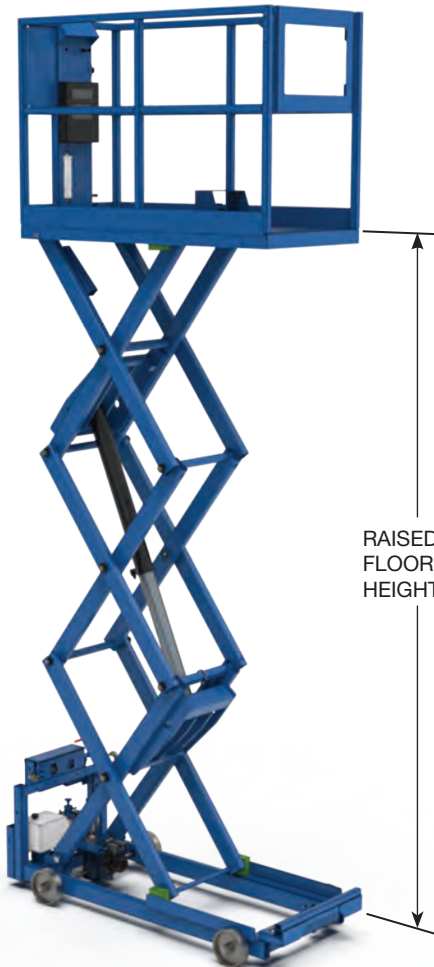
- Raised platform height: 4'-5" to 12'
- Minimum lowered platform height: 14.5"
- Operator Platform Capacity: 500 lbs.
- Platform Dimensions: 66"L x 30"W
- 43.5" high guard rail with self-closing gate
- Pneumatic/Hydraulic power for hazardous areas
- Electric/Hydraulic power for non-hazardous areas
- Filter/Regulator/Lubricator (pneumatic option only)
- Quick and easy connection to air source

CONTROLS / CONNECTIONS

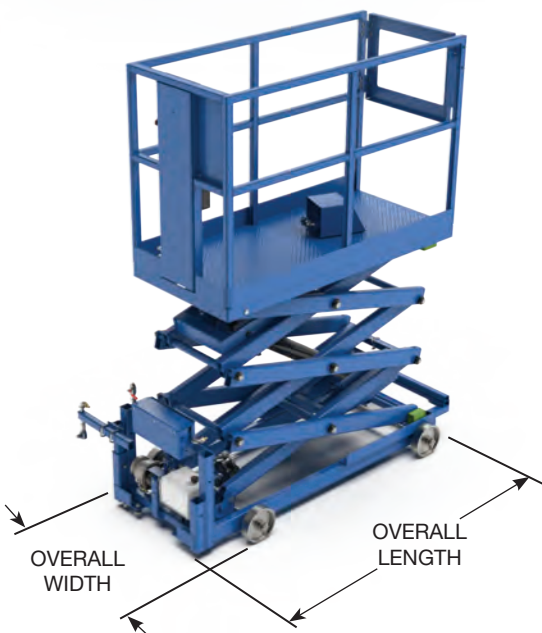
- Primary air source connection: 1/2" NPT
- Auxiliary uncoiled air connection in platform: 3/8" NPT
- Lift requires a clean, dry air supply
(50 scfm @ 90 psi with a 40°F dew point)
- Fixed hand control with E-Stop
- Base control to raise and lower platform
- Optional pendant foot control to raise/lower platform

TRAVEL SPEEDS

- X-Axis (left/right): Variable up to 40 fpm
- Z-Axis (up/down): 15 fpm



RAISED
FLOOR
HEIGHT



OVERALL
WIDTH

OVERALL
LENGTH

Model LPST (Rail Guided Lift Systems)

Model	Raised Floor Ht.	Lowered Floor Ht.	Max Work Ht.	Overall Length	Overall Width
LPST-48	4'-5"	1'-2.5"	10'-5"	6'-8"	3'-3"
LPST-96	8'	1'-10"	14'		
LPST-144	12'	2'	18'		

-Slab type machines should only be raised on a hard, flat and level surface
-Designed in accordance with applicable ANSI requirements based on machine configuration as originally manufactured for intended applications



Dimensions shown are nominal. Actual dimensions may vary and are presented with engineering drawings.

Due to continuous product improvement, LPI, Inc. reserves the right to make equipment/specification changes without prior notification.

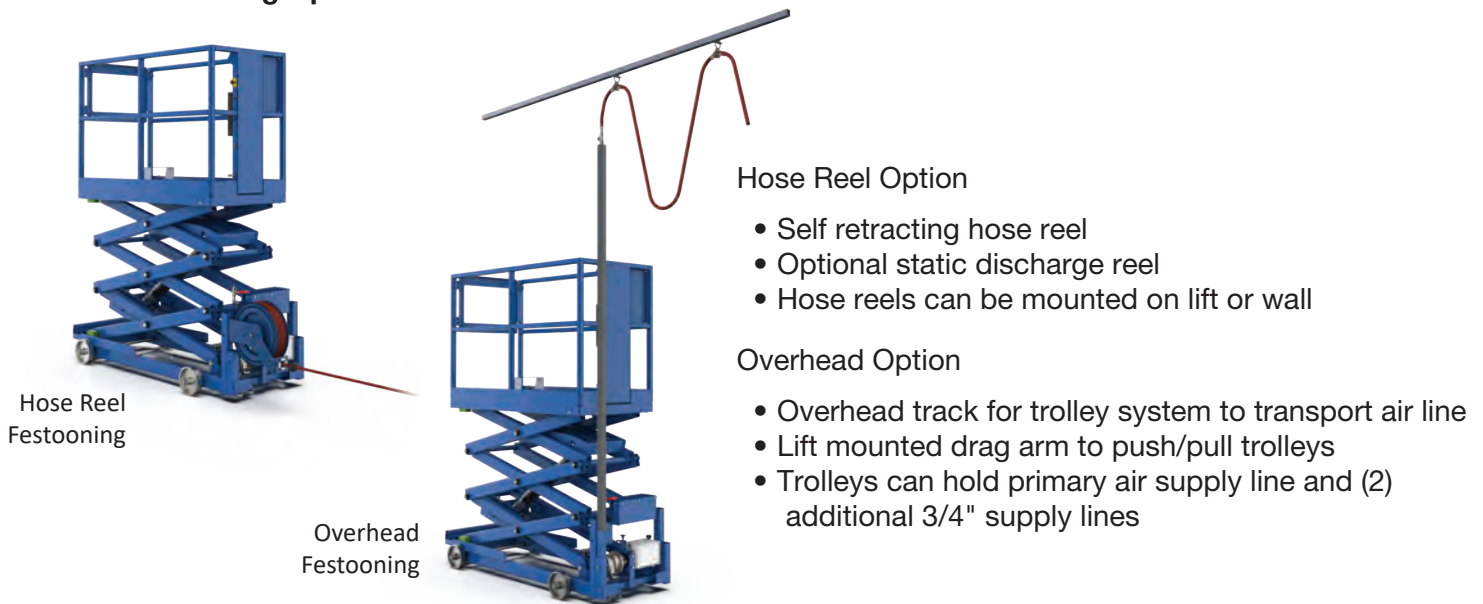
Installation Kits LPST & TK Models

LPI offers several design and custom configurations for installation kits. Most installation kits utilize a floor mounted guide rail and either an overhead track and trolley system or wall mounted or lift mounted hose reel. For Paint process applications, an overhead system is recommended to keep hoses off the floor.

Standard Installation Kits Include:

- Lower Guide Rail (2" x 2" x 1/4" steel tube, pre-drilled for concrete anchors)
- Concrete anchors for securing guide rail
- Rail stops for the ends of lift travel
- Main air line assembly including main air hose, NPT couplers, strain relief, and hose clamps
- Hose reel festooning kit includes a self-retracting hose reel for the main air supply line
- Overhead festooning kit includes festooning track for mounting to ceiling or wall and hose trolleys/carriers

Standard Festooning Options



Guide Rail Options

Standard Guide Rail Mounting



Surface Mounted

Optional Guide Rail Mounting configurations



Recessed



Floor Slot

- Mounting plates, anchoring tabs or spacers (to elevate rail for drainage)
- Optional bumper and end rail stops
- In floor guide or recessed channel for lower guide rail (consult LPI for options and included material)
- Rail shape/material may change depending on customer or application requirements
- Anti-tip rails are available for custom applications that incorporate tip-down or roll-out extensions

LPI service technicians are available to assist with equipment installation. Contact LPI for more information.

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