

### Model LSA18

Section 7

Travel 15"



With a narrow width of only 29", the LSA18 Air Scissor Lift Table provides a raised height of 21", and a high capacity of up to 4000 lbs., making it ideal for use as a cart positioning system, or as a custom lift for improving ergonomics. The 29" x 47" lift is powered by two airbags, and has a 15" travel and low 6" profile.

The 5th in our small footprint lift series, the LSA18 pneumatic scissor lift table is commonly used as the foundation of custom lift systems and cart positioning for assembly lines.

### Standard Features

- **100% air operated** for low maintenance, ease of use, and work environment safety
- **Low profile** accommodates a wide range of worker heights and applications
- **Modular design** is easily customizable to application specifications
- **High-strength steel, welded construction** built to safety factors required by customer application and in compliance with ANSI MH29.1-1994
- **High capacity lifting** up to 57,000 lbs (25,855 kg)
- **Variable duty cycles** from low to high for cost flexibility to fit each application
- **Self-lubricating PTFE overlay** on bearings at all pivot points for high loads and long life
- **Captured wheel guides** to prevent top and bottom lift platforms from tipping
- **Stackable lift modules** for added lift travel
- **Patented direct one-to-one lift ratio** in which the air bag supplies all of the lifting power, resulting in less stress on the scissors and increased lift longevity
- **Virtually maintenance-free** for low-cost operation and minimal downtime
- **Safety pressure release** helps prevent the air bag from overinflating
- **Enamel-based acrylic paint** applied to all surfaces after being cleaned and primed
- **Clean and green technology** for a cleaner and safer work environment

### Options

- **Lockout valve and filter regulator** enhances performance of the air supply
- **Piloted internal valves with check valves** prevent undesired lift descent
- **Portability kits** allows lift system to be moved with ease
- **High speed capability** with a full cycle in under 10 seconds
- **Safety skirting** to protect from pinch points and debris

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### Nomenclature

Product Type: Lift Scissor Air  
Lift Style: 18  
Capacity: 40 = 4000 lbs  
Raised Height: 21"  
Platform Size: 29" width x 47" length

Model LSA 18-40-21-2947



Travel in	Model	Capacity lbs	Lowered Height in	Travel in	Raised Height in	Platform Size <sup>5</sup>		Base Size <sup>5</sup> in x in	Ship Weight <sup>1</sup> lbs
						Width in	Length in		
15	LSA18-10-21-2947	1000	6	15	21	29 - xx	47 - xx	29 x 47	790
15	LSA18-20-21-2947	2000	6	15	21	29 - xx	47 - xx	29 x 47	790
15	LSA18-30-21-2947	3000	6	15	21	29 - xx	47 - xx	29 x 47	790
15	LSA18-40-21-2947	4000	6	15	21	29 - xx	47 - xx	29 x 47	790

Values rounded to the nearest 1", see drawing for actual dimensions.

### Notes

- 1 Ship weights are estimated and do not include oversize platforms or options
- 2 Maximum air bag pressure is 50 psi or 100 psi depending on air bag type
- 3 Recommended air line feed pressure is 70 psi to 100 psi
- 4 Air consumption is 5 cubic feet per minute (cfm) on average based on cycle rate  
See the EnKon Systems website for how to calculate cfm for your application  
URL: <http://enkon.pro/blog/calculating-cfm-and-scfm-for-pneumatic-scissor-lift-tables/>
- 5 Width and length dimensions reference the main structure of the lift system and do not include structures such as floor tabs, bolt heads, etc. See drawing for actual dimensions
- 6 Surface finishes are either powder coat or low-VOC quick-dry two-stage spray-on primer coat and hard enamel top coat
- 7 Lifts must be center loaded when at full capacity
- 8 Side and end load capacities are derated 2% per inch of increase top plate size from base size
- 9 Safety bellow skirting option must be purchased to meet ANSI and OSHA standards