

### Model LSA31

Section 12

Travel 23"



With a 6" profile, 23" travel and a 29" raised height, the LSA31 Air Scissor Lift Table can lift up to 4000 lbs. Providing a 34" x 47" platform, the LSA31 is a narrower version of the LSA07.

A lift that offers a low profile, and a travel with a raised height useful for ergonomic positioning, the LSA31 pneumatic scissor lift table has solid material-handling capabilities, and helps to improve ergonomics for industrial applications.

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#### 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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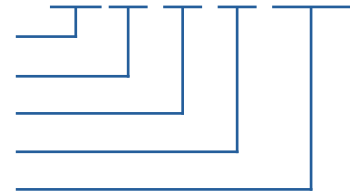
Travel 23"



### Nomenclature

Product Type: Lift Scissor Air  
Lift Style: 31  
Capacity: 40 = 4000 lbs  
Raised Height: 29"  
Platform Size: 34" width × 47" length

Model LSA 31-40-29-3447



Travel in	Model	Capacity lbs	Lowered Height in	Travel in	Raised Height in	Platform Size <sup>5</sup>		Base Size <sup>5</sup> in × in	Ship Weight <sup>1</sup> lbs
						Width in	Length in		
23	LSA31-10-29-3447	1000	6	23	29	34 - xx	47 - xx	34 × 47	670
23	LSA31-20-29-3447	2000	6	23	29	34 - xx	47 - xx	34 × 47	670
23	LSA31-30-29-3447	3000	6	23	29	34 - xx	47 - xx	34 × 47	670
23	LSA31-40-29-3447	4000	6	23	29	34 - xx	47 - xx	34 × 47	670

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