



## SLR-AB AIR POWERED DOCK LEVELER

Logidock SLR-AB Air Powered Dock Leveler offers a clean and oil-free solution to facilitate smooth and efficient transfer of goods in your loading dock. It uses an air powered inflatable airbag to raise and lower the deck and offers simplicity for your warehouse operations. A high volume, low-pressure blower pump inflates the air bladder while a mechanical linkage extends the lip outwards. Using air as the working fluid eliminates messy hydraulic fluids and avoids issues with leaky seals and connections, especially in ultra-clean or warehouses with indoor docks where oil contamination cannot be tolerated.

SLR-AB Air Powered Dock Leveler has been designed to accommodate various loading conditions found in the loading area, such as trucks of different sizes and heights, heavy loading conditions as well as temperature controlled warehouses where special considerations are required to ensure efficient loading and unloading process.



### Load Capacity:

- 6,000 kg (Dynamic Test Load) accdg to BS-EN 1398

### Working Range:

- 350 mm above dock
- 300 mm below dock

### Air Blower:

- Fully enclosed integrated electric air pump system with dust filter
- Motor Power 1.1 Kw
- Sound level 72 dB

### Power Supply Options :

- 1ph/220-240V/50Hz
- 3ph/380-415V/50Hz
- 3ph/460V/60Hz
- Others upon request

### Operating Temperature

- -20 C to +50 C

### Colour

- Matt Gray or Blue as standard, other colors following RAL std

# Technical Construction Features of Logidock SLR-AB Air Powered Dock Leveler

## Main Deck

- Supported by eight (8) nos I-beam profiles spaced evenly to ensure even load distribution points across the deck, suitable for 3 or 4 wheeled forklifts. This allows the deck to have a very strong structural integrity capable of handling high and constant loading conditions without structural stress or metal fatigue.

## Mechanical Opening Lip

- Constructed out of 15 mm lip plate with 8 structural guide beams moving horizontally across the deck, the lip is angled to ensure full contact with truck bed at varying dock height

## Air Bag Specifications

- Made of a special polyurethane coated nylon fabric.
- Low-pressure and high-capacity gassing principle design with automatic balance pressure and automatic deflation.
- Lining protective foaming material for protection.
- Acid and alkali corrosion resistance.
- Service life (number of charge and discharge)  $\geq$  250,000 times.
- Operating temperature  $-50^{\circ}\text{C} \sim 65^{\circ}\text{C}$ .
- Replaceable design
- Material breaking strength, welding strength and adhesion to hydrostatic resistance, testing cold crack temperature test, according to US materials Experimental Association D751 standard.

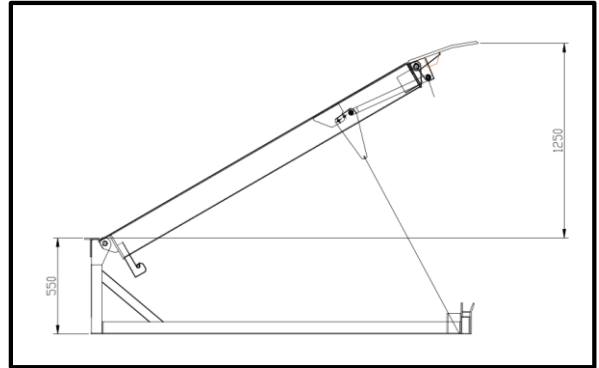
## Air pump

- Fully enclosed integrated electric air pump system incorporated with dust filter.
- Motor power 1100W, power supply 220V/50Hz
- Noise 72dB

**Full range toeguards, deck strut stand and moulded rubber bumpers** are supplied as standard to ensure all round safety and protection.

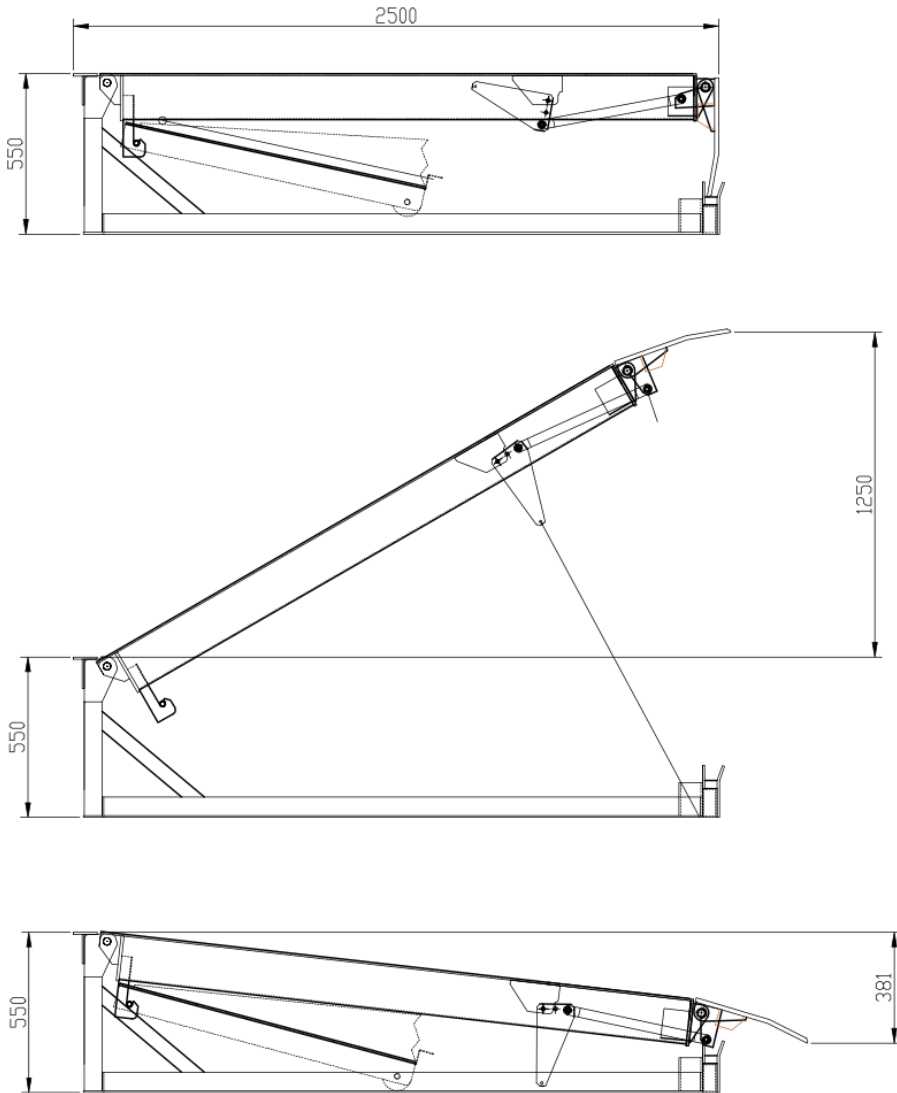
## Optional Availability

- Various deck width and sizes (see Dimension Table)
- Increased primer coat or rust surface treatment to reduce severe corrosion from cold store applications
- Hot dipped galvanized deck and lip
- Deck edge and Underdeck seals reduce cold air loss in temperature control warehouses
- Weatherseal brush helps maintain cleanliness under the pit



**Air pump system with dust filter**

# SLR-AB Air Powered Working Range



## SLR-AB AIRBAG DOCK LEVELER (STANDARD DIMENSIONS)

Model	Capacity (Dynamic Loading accdg to EN 1398)	DOCK LEVELER DIMENSIONS (MM)					PIT DIMENSIONS (MM)			
		DECK			LIP	OVERALL LENGTH	WIDTH	LENGTH	DEPTH	
		WIDTH	LENGTH	HEIGHT	LENGTH				FRONT	REAR
SLR-AB 2020	6.0 T	2000	2030	550	430	2,460	2030	2030	570	560
SLR-AB 2022	6.0 T	2000	2210	550	430	2,640	2030	2210	570	560
SLR-AB 2025	6.0 T	2000	2500	550	430	2,930	2030	2500	570	560
SLR-AB 2030	6.0 T	2000	3000	550	430	3,430	2030	3000	570	560

Other dimensions can be custom manufactured on request