



# BOSS X-Series

The ultimate range of  
micro powered  
access platforms



# BoSS X-Series

## About the X-Series

The BoSS X-Series is a tough, professional, manually propelled range of micro powered access platforms

Designed for a multitude of tasks including general maintenance, cleaning, painting and fit and strip out work.

They can be used on construction projects, in factories, transport environments, shopping centres, retail outlets and in offices.



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for a  
demo

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## Great Features

- Serviceable components
- Auto braking
- Self closing gate
- Transit gate lock
- Fits through doorways & lifts
- Platform mounted handset
- Fail-safe props
- Winching eye
- Slip resistant deck
- Lanyard point
- Rigid and robust scissors

## The Ultimate Push-Around Powered Access



The All New

# BoSS X3X-SP

The Ultimate Self-Propelled  
Micro Scissor Lift

## Introducing the Self-Propelled

**BoSS X3X-SP**, the new tough professional, self-propelled micro scissor lift from the Youngman Group, one of the world leading suppliers of innovative work at height solutions.

The **BoSS X3X-SP** is designed to be the tallest, slimmest and lightest self-propelled micro-scissor lift of its kind. It offers a host of class leading features which include:

- Safe working height of 5.14m – (Platform height – 3.14m)
- Only 760mm wide – fits through personnel doorways and into passenger lifts
- For indoor and outdoor use – wind rating with non extended platform
- Highly manoeuvrable – turns within its own footprint of only 1.27m
- Driveable at full height (13.5m/min)
- 350 lifts and descents, 16.1km of driving or mix of two on a single charge
- 1.65m platform length (including 0.4m extension)
- Weight of 495kg facilitating lifting on a standard tail lift
- Straight line driving with swivel castor lock feature
- Raised platform driving speed selection (when lowered)
- Pothole protection activation on platform ascent
- Emergency platform lowering (both using backup power & manual)
- Ramp loading – up to 35% (19.2°)
- Longitudinal forklifting points for vehicle loading
- Low battery protection system
- Electromagnetic brakes on drive motors
- Tilt sensor and overload protection as standard
- Base unit draws for easy maintenance access

## X3X-SP



Extendable  
Platform



Highly  
Manoeuvrable



Outdoor  
Use



# Specifications and performance

All machines are tested to and comply with the requirements of EN 280, and the European Machinery, Low Voltage and Electromagnetic Compatibility Directives.

	BoSS X3X-SP		BoSS X3X		BoSS X3	
Measurements:	Metric	Imperial	Metric	Imperial	Metric	Imperial
Rated load, manual forces & weight:						
Safe working load	150kg (inc on platform extension)	331lbs (inc on platform extension)	240kg	529lbs	240kg	529lbs
equivalent to:	(1 person (80kg) plus 70kg tools & materials)	(1 person (176lbs) plus 154lbs tools & materials)	1 person (80kg) plus 160kg tools & materials	1 person (176lbs) plus 353lbs tool & materials	1 person (80kg) plus 160kg tools & materials	1 person (176lbs) plus 353lbs tool & materials
Maximum allowable manual force	200N		200N (interior use only)			
Maximum allowable chassis inclination	1.5°		1.25°		1.5°	
Maximum allowable wind speed	12.5m/s (with platform closed)	28mph (with platform closed)	0m/s	0 mph	0m/s	0 mph
Maximum load per wheel	420kg (based on drive wheels – swivel castor rating is 500kg)	926lbs (based on drive wheels – swivel castor rating is 1102lbs)	450kg	992lbs	450kg	992lbs
Machine weight	495kg	1091lbs	370kg	816lbs	349kg	769lbs
Maximum point loading	14.83kg/cm <sup>2</sup>	211psi	17.43kg/cm <sup>2</sup>	248psi	16.83kg/cm <sup>2</sup>	239psi
Dimensions:						
Maximum platform height	3.14m	10'4"	3.2m	10'6"	2.55m	8'4"
Minimum platform height	0.63m	2'1"	0.695m	2'3"	0.695m	2'3"
Maximum safe working height	5.14m	16'10"	5.2m	17'1"	4.55m	14'11"
Platform delay on descent height	1.86m	4'7"	1.87m	6'2"	1.85m	6'1"
Platform width	0.7m	2'4"	0.57m	1'10"	0.57m	1'10"
Platform length	1.25m-1.65m	4'1"-5'5"	1.25m	4'1"	1.05m	3'5"
Platform guardrail height	1.1m	3'7"	1.1m	3'7"	1.1m	3'7"
Toeboard height	0.15m	6"	0.15m	6"	0.15m	6"
Overall width	0.76m	2'6"	0.76m	2'6"	0.7m	2'4"
Stowed height	1.74m (0.89m with guardrails removed)	5'9" (2'11" with guardrails removed)	1.8m	5'11"	1.8m	5'11"
Stowed length	1.39m	4'7"	1.41m	4'8"	1.21m	4'
Ground clearance	Platform lowered 0.045-0.09m Platform raised 0.01m	Platform lowered 2"- 4" Platform raised 0.4"	0.05m	2"	0.05m	2"
Electrical:						
Voltage	24V DC		12V DC			
Power pack motor	1.2kW DC		1.2kW DC	1.2kW DC		
Drive wheel motors	24V/2800rpm/0.5kW		N/A	N/A		
Batteries (deep cycle/sealed gel)	2 x 12V/100Ah		12V/100Ah	12V/100Ah		
Battery charger	100-120V/200-240V (automatic switching)		Automatic multi voltage 110 and 240V			
Hydraulics:						
Maximum hydraulic pressure			225 bar			
Working pressure			150 bar			
Hydraulic fluid reservoir	1.5 litres	0.33 gallons	2 litres	0.4 gallons	2 litres	0.4 gallons
Performance:						
Maximum number of lifts & descents on one charge:	>350(150kg)		>215(240kg)		>225(240kg)	
Ascent times:	19 secs (150kg load)		18 secs (240kg)		15 secs (240kg)	
Descent times*:	21 secs (150kg load)		21 secs (240kg)		18 secs (240kg)	
Maximum driving speed (platform lowered)	65m/minute	2.42mph	N/A		N/A	
Maximum driving speed (platform raised)	13.5m/minute	0.5mph	N/A		N/A	

\* Descent times include 3 seconds for the intermediate stop on descent.

Each machine is supplied with: Maintenance Manual, EC Declaration of Conformity, 6 months LOHER certification (UK only), 12 months parts warranty

## BoSS X Series Accessories

The following accessories are available for use with the BoSS X Series:



Confined Space Guardrail



Bumpers



Heavy Duty All Weather Cover



Each machine is tested and certified to comply with the requirements of EN 280 and the European Machinery, Low Voltage and Electromagnetic Compatibility Directives.

Product training and service, parts and warranty management are also provided. Please call +44 (0) 1621 745900 for further information.

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