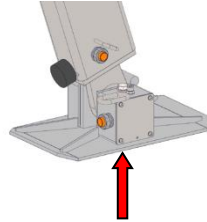

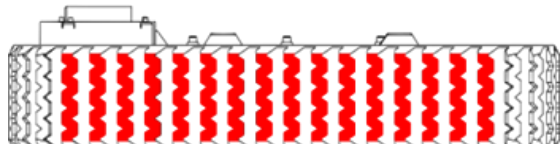
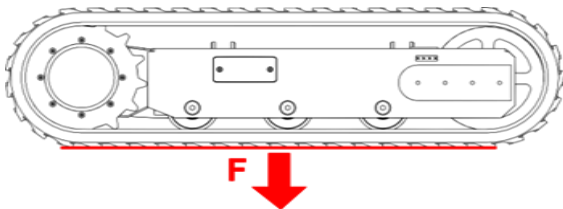


# Teupen TL123AX

Pressures and Force: Stable ground

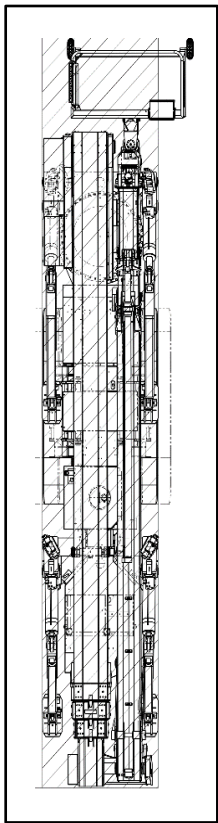
I. Force Impact		
1. Machine Effect on Floor Surface Material - Outriggers		
Maximum Force on Floor Material under single outrigger (fully loaded machine with max basket capacity)	75 kN	 16860 lb force
Total area of a single outrigger foot (based on length and width 43,6 x 27 cm)	1177 cm <sup>2</sup> *	182.4 sq in
Max. ground pressure (force / area of foot)	63.7 N/cm <sup>2</sup> *	92.4 psi
Required synthetic underplate for outrigger (max psi reduced when using underplate)		
109cm x 39cm (42.9x15.4in), 300584	17.6 N/cm <sup>2</sup>	25.5 psi
		
2. Machine Effect on Floor Surface Material – Tracks		
Max. load under one track (machine weight / 2) (11700kg / 2)	57.4 kN / 12,904 lb force	
Crawler area in contact with surface	2314 cm <sup>2</sup> *	358.7 sq in
Max. ground pressure	24.8 N/cm <sup>2</sup> *	28.5 psi
<div></div> <div>28.5 psi</div>		

## II. Live Load (Weight and Pressure) Impact on Structure

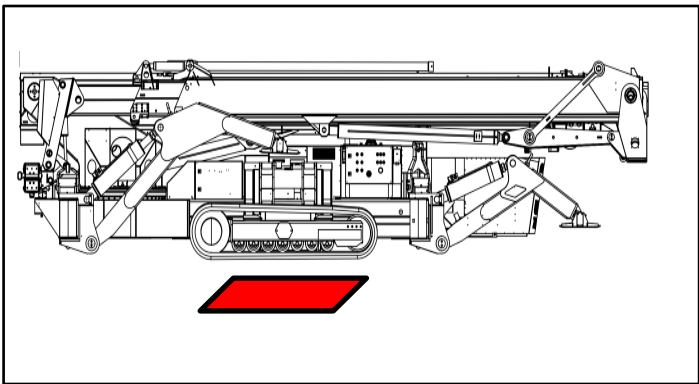
(The Machine Live Load over projected area of machine.)

### 1. Area load in transport position (Unloaded basket)

Area in transport position (cordoned area 10m x 2,4m – 32ft 10in x 7ft 10in)	24 m <sup>2</sup>	258,3 sq ft
Machine loading in transport position	114.8 kN	25,808 lb force
Live Load with basket	4.78 kN/m <sup>2</sup>	100 psf



with Basket  
100 psf



Track dimension is 15,8" wide x 95" long  
or 1501 square inches x 2 = 3002 sq in.  
3002 sq in = 20.9 sq ft  
25,808 lbs / 20.9 = 1,234.8 psf  
This calculation is only for dead load on track  
surface and not the live load effect over the  
entire area the machine would operate on.

### Sales & Rental Team

Kevin O'Laughlin, Sr. Regional Sales Manager  
412.622.7820 kolaughlin@usmrerents.com

Keith Serbin, Director of National Accounts  
224.254.3409 kserbin@usmrerents.com

Jon Letchford, Business Development Manager  
630.730.5707 jletchford@usmrerents.com

Tony Trainer, Tree Care Sales Manager  
803.876.0630 ttrainer@usmrerents.com

Wesley Davis, Sr. Regional Sales Manager  
817.975.6838 wdavis@usmrerents.com

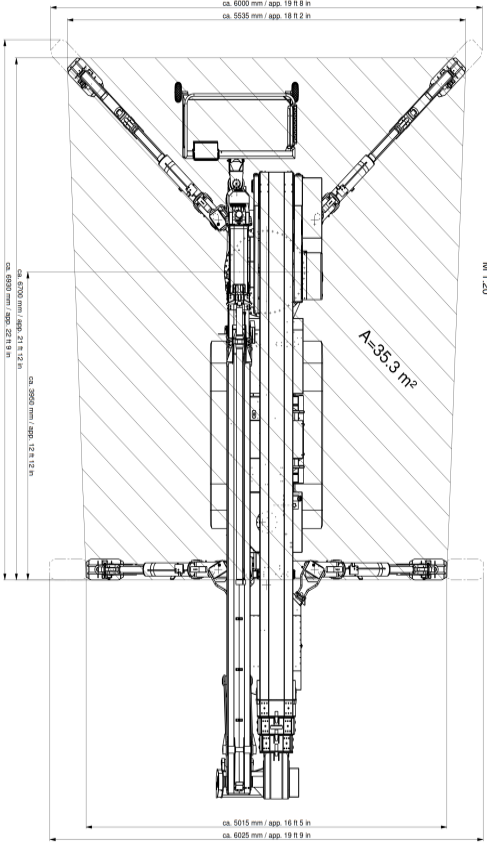
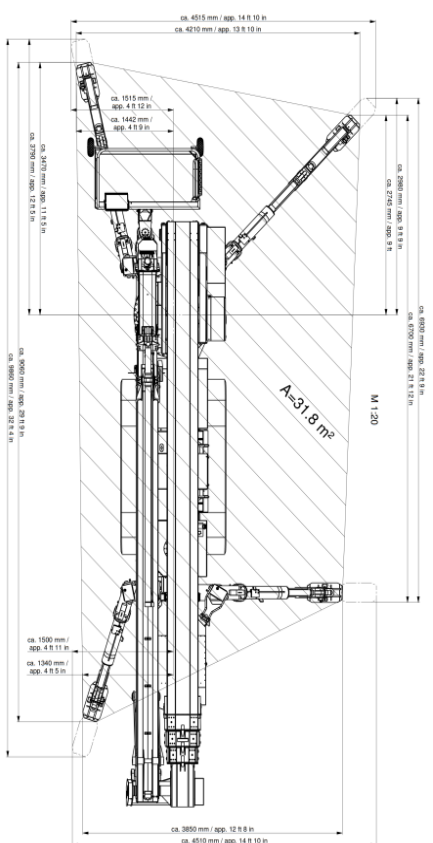


909 South Route 83  
Elmhurst IL 60126

630.530.8550

rentnow@usmrerents.com

## 2. Area pressure in working position

Area in working position (outrigger wide/wide)	35.3 m <sup>2</sup>	380 sq ft
Area in working position (outrigger narrow/wide)	31.8 m <sup>2</sup>	342.3 sq ft
Machine loading in working position (with full load in basket)	118.7 kN	26,685 lb force
Area pressure (Live Load) (outrigger wide/wide)	3.36 kN/m <sup>2</sup>	71 psf
Area pressure (Live Load) (outrigger narrow/wide)	3.73 kN/m <sup>2</sup>	78.9 psf
<div style="display: flex; justify-content: space-around;">   </div>		
Machine loading in working position (with full load in basket)	120,6 kN	27126 lb force
Area pressure (outrigger wide / wide)	3.4 kN/m <sup>2</sup>	71 psf
Area pressure (outrigger narrow / wide)	3,7 kN/m <sup>2</sup>	77 psf