# Niftylift Point Loadings Chart - European Products

Updated - 23 June 2016

## Niftylift 120M
- Mass: 1195 kg
- SWL: 200 kN
- Max Weight: 13.68 m
- Area: 7.29 m²
- Working Area: 8.21 m²
- Point Loading (Realistic Worst Case): 4.50 kN/m²
- Floor Loading (Transit): 0.65 kN/m²
- Floor Loading (Working): 1.88 kN/m²

## Niftylift 120T
- Mass: 1400 kg
- SWL: 200 kN
- Max Weight: 15.70 m
- Area: 7.29 m²
- Working Area: 9.42 m²
- Point Loading (Realistic Worst Case): 4.29 kN/m²
- Floor Loading (Transit): 0.65 kN/m²
- Floor Loading (Working): 1.88 kN/m²

## Niftylift 150
- Mass: 1775 kg
- SWL: 225 kN
- Max Weight: 19.34 m
- Area: 13.89 m²
- Working Area: 2117.16 m²
- Point Loading (Realistic Worst Case): 21.10 m²
- Floor Loading (Transit): 0.037 m²
- Floor Loading (Working): 0.1 kN/m²

## Niftylift 170
- Mass: 2160 kg
- SWL: 200 kN
- Max Weight: 23.15 m
- Area: 19.34 m²
- Working Area: 257.79 m²
- Point Loading (Realistic Worst Case): 37.54 m²
- Floor Loading (Transit): 0.037 m²
- Floor Loading (Working): 0.1 kN/m²

## Niftylift 210
- Mass: 2495 kg
- SWL: 225 kN
- Max Weight: 26.49 m
- Area: 680.00 m²
- Working Area: 4922.40 m²
- Point Loading (Realistic Worst Case): 47.00 m²
- Floor Loading (Transit): 0.032 m²
- Floor Loading (Working): 0.1 kN/m²

## Niftylift 120M
- Mass: 3435 kg
- SWL: 200 kN
- Max Weight: 35.66 m
- Area: 7.29 m²
- Working Area: 8.21 m²
- Point Loading (Realistic Worst Case): 4.50 kN/m²
- Floor Loading (Transit): 0.65 kN/m²
- Floor Loading (Working): 1.88 kN/m²

## Niftylift 120T
- Mass: 3470 kg
- SWL: 200 kN
- Max Weight: 36.00 m
- Area: 7.29 m²
- Working Area: 9.42 m²
- Point Loading (Realistic Worst Case): 4.29 kN/m²
- Floor Loading (Transit): 0.65 kN/m²
- Floor Loading (Working): 1.88 kN/m²

## HR12 4x4
- Mass: 4500 kg
- SWL: 225 kN
- Max Weight: 46.35 m
- Area: 680.00 m²
- Working Area: 4922.40 m²
- Point Loading (Realistic Worst Case): 47.00 m²
- Floor Loading (Transit): 0.032 m²
- Floor Loading (Working): 0.1 kN/m²

## HR15N Hybrid
- Mass: 5000 kg
- SWL: 225 kN
- Max Weight: 51.26 m
- Area: 7.29 m²
- Working Area: 8.21 m²
- Point Loading (Realistic Worst Case): 4.50 kN/m²
- Floor Loading (Transit): 0.032 m²
- Floor Loading (Working): 0.1 kN/m²

## HR17NE
- Mass: 7250 kg
- SWL: 225 kN
- Max Weight: 73.33 m
- Area: 7.29 m²
- Working Area: 1980.00 m²
- Point Loading (Realistic Worst Case): 47.00 m²
- Floor Loading (Transit): 0.032 m²
- Floor Loading (Working): 0.1 kN/m²

## HR17NE
- Mass: 4500 kg
- SWL: 225 kN
- Max Weight: 46.35 m
- Area: 680.00 m²
- Working Area: 4922.40 m²
- Point Loading (Realistic Worst Case): 47.00 m²
- Floor Loading (Transit): 0.032 m²
- Floor Loading (Working): 0.1 kN/m²

## HR17NE
- Mass: 7250 kg
- SWL: 225 kN
- Max Weight: 73.33 m
- Area: 7.29 m²
- Working Area: 1980.00 m²
- Point Loading (Realistic Worst Case): 47.00 m²
- Floor Loading (Transit): 0.032 m²
- Floor Loading (Working): 0.1 kN/m²

## HR21 2x4
- Mass: 6660 kg
- SWL: 225 kN
- Max Weight: 67.54 m
- Area: 7.29 m²
- Working Area: 8.21 m²
- Point Loading (Realistic Worst Case): 4.50 kN/m²
- Floor Loading (Transit): 0.032 m²
- Floor Loading (Working): 0.1 kN/m²

## HR21 4x4
- Mass: 6660 kg
- SWL: 225 kN
- Max Weight: 67.54 m
- Area: 7.29 m²
- Working Area: 8.21 m²
- Point Loading (Realistic Worst Case): 4.50 kN/m²
- Floor Loading (Transit): 0.032 m²
- Floor Loading (Working): 0.1 kN/m²

## HR21 Hybrid
- Mass: 6660 kg
- SWL: 225 kN
- Max Weight: 67.54 m
- Area: 7.29 m²
- Working Area: 8.21 m²
- Point Loading (Realistic Worst Case): 4.50 kN/m²
- Floor Loading (Transit): 0.032 m²
- Floor Loading (Working): 0.1 kN/m²

## HR28 Hybrid
- Mass: 14650 kg
- SWL: 280 kN
- Max Weight: 146.46 m
- Area: 7.29 m²
- Working Area: 8.21 m²
- Point Loading (Realistic Worst Case): 4.50 kN/m²
- Floor Loading (Transit): 0.032 m²
- Floor Loading (Working): 0.1 kN/m²

## Notes:
1. The transit area for self-propelled (HR) and self-drive (SD) machines is the wheelbase multiplied by the overall transit width, in the case of the track drive (TD) machines it is the track length in contact with the ground multiplied by the overall track width.
2. The area is the machine footprint, in the case of trailer units it is the floor area of the machine over the footplate outside edges when jacked to the extreme.
3. Point loadings are the total weight of the machine and operator(s), supported on the area of one foot or tyre and multiplied by a factor of 60%. We have found this to be a very close approximation to the Realistic Point Loading figure, and can be worked to as an absolute. If additional factors of safety are required they should be added to this figure.
4. The transit area floor loadings are given for self-propelled (HR) and self-drive (SD) and track drive (TD) machines and are the weight of the machine and operator(s) divided by the transit area. This loading applies to the machine when the booms are stowed.
5. The working area floor loadings given for trailer units, and are the weight of the machine and operator(s) divided by the floor area of the machine.

Values specified were correct at time of publishing, but are subject to change. Niftylift reserves the right to change any specification without notice. Weights stated are minimums and vary according to power option, please confirm before using.
## Niftylift Point Loadings Chart - USA Products

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**Notes:**

1. The transit area for self-propelled (SP) and self-drive (SD) machines is the wheelbase multiplied by the overall transit width, in the case of the track drive (TD) machines it is the track length in contact with the ground multiplied by the overall track width.
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