

Niftylift Point Loadings Chart

Product Variant	Machine Mass	SWL	Max Weight	Transit Area	Working Area	Tyre Area	Foot Area	Point Loading (Realistic Worst Case)			Floor Loading (Transit)	Floor Loading (Working)
	A [kg]	B [kg]	C [kN] <small>= (A + B) x 9.81 / 1000</small>	D [m ²] <small>= wheelbase x width</small>	E [m ²] <small>= working footprint</small>	F [cm ²] <small>= area of one tyre</small>	G [cm ²] <small>= area of one foot</small>	H [kN] <small>= C x 0.6</small>	J [kN/cm ²] <small>= H / (F or G)</small>	K [kN/m ²] <small>= J x 10000</small>	L [kN/m ²] <small>= C / D</small>	M [kN/m ²] <small>= C / E</small>
Nifty 90	695	120	8.00		4.41		182.4	4.80	0.026	263		1.81
Nifty 120M	1195	200	13.68		7.29		182.4	8.21	0.045	450		1.88
Nifty 120H	1300	200	14.72		11.93		324.3	8.83	0.027	272		1.23
Nifty 120T	1400	200	15.70		13		324.3	9.42	0.029	290		1.21
Nifty 140	1500	225	16.92		10.72		324.3	10.15	0.031	313		1.58
Nifty 150	1725	225	19.13		14.86		314.2	11.48	0.037	365		1.29
Nifty 170H	2000	200	21.58		19.34		540	12.95	0.024	240		1.12
Nifty 210	3495	225	36.49		22.5		680	21.90	0.032	322		1.62
HR10	2200	200	23.54	2.85	2.85	258		14.13	0.055	548	8.26	8.26
HR12N	3100	200	32.37	2.85	2.85	383		19.42	0.051	507	11.36	11.36
HR12 2x4	2860	200	30.02	2.85	2.85	383		18.01	0.047	470	10.53	10.53
HR12 4x4	3330	200	34.63	2.85	2.85	504		20.78	0.041	412	12.15	12.15
HR15N	7250	225	73.33	2.925	2.925	340		44.00	0.129	1294	25.07	25.07
HR15 2x4	4300	225	44.39	4	4	370		26.63	0.072	720	11.10	11.10
HR15 4x4	4500	225	46.35	4	4	370		27.81	0.075	752	11.59	11.59
HR15 Hybrid 4x4	4750	225	48.80	4	4	370		29.28	0.079	791	12.20	12.20
HR17N	7400	225	74.80	2.925	2.925	340		44.88	0.132	1320	25.57	25.57
HR17 4x4	4950	225	50.77	4	4	370		30.46	0.082	823	12.69	12.69
HR17 Hybrid 4x4	4750	225	48.80	4	4	370		29.28	0.079	791	12.20	12.20
HR18 4x4	6300	300	64.75	5.2	5.2	517		38.85	0.075	751	12.45	12.45
HR21 2x4	6500	225	65.97	5.2	5.2	370		39.58	0.107	1070	12.69	12.69
HR21 4x4	6500	225	65.97	5.2	5.2	370		39.58	0.107	1070	12.69	12.69
HR21 Hybrid AWD	6500	225	65.97	5.2	5.2	370		39.58	0.107	1070	12.69	12.69
HR28 Hybrid	14650	280	146.46	6.474	6.474	679		87.88	0.129	1294	22.62	22.62
SD120T	2260	200	24.13	2.832	13		324.3	14.48	0.045	446	8.52	1.86
SD170	2750	200	28.94	3.72	19.34		504	17.36	0.034	345	7.78	1.50
SD210	3950	225	40.96	4.4	19.7		558	24.57	0.044	440	9.31	2.08
TD120TN	1850	120	19.33	0.67	10.43		324.3	11.60	0.036	358	28.84	1.85
TD120T	1850	200	20.11	0.67	15.83		324.3	12.07	0.037	372	30.02	1.27
TD150T	2025	225	22.07	0.695	14.86		314.2	13.24	0.042	421	31.76	1.49
TD170	2900	200	30.41	0.837	17.64		540	18.25	0.034	338	36.33	1.72

N.B. 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.