Niftylift Point Loadings Chart - European Products *(USA Products on Page 2)*

Updated - 06 11 2026

	Mass	SWL	Max Weight	Transit [1] Area	Working [2] Area	Tyre Area	Foot Area	Point Loading [3] (Realistic Worst Case)					Floor Loading [4] (Transit)		Floor Loading [5] (Working)	
	A [kg]	**B** [kg]	**C** [kN]	**D** [m^2]	**E** [m^2]	**F** [cm^2]	**G** [cm^2]	**H** [kN]	**J** [lb_f]	**K** [kN/cm^2]	**L** [kN/m^2]	**M** [lb_f/in^2 (psi)]	**N** [kN/m^2]	**P** [lb_f/in^2 (psi)]	**Q** [kN/m^2]	**R** [lb_f/in^2 (psi)]
			= ((A + B) x 9.81) / 1000	*= wheelbase x width*	*= working footprint area*	*= area of one tyre*	*= area of one foot*	*= C x 0.6*	*= H x 225*	*= H / (F or G)*	*= K x 10000*	*= L x 0.145*	*= C / D*	*= N x 0.145*	*= C / E*	*= Q x 0.145*
Nifty 120 (M)	1195	200	13.68		7.29		182.4	8.21	1846	0.045	450	65			1.88	0.27
Nifty 120T	1400	200	15.70		13		324.3	9.42	2117	0.029	290	42			1.21	0.18
Nifty 140S	2040	227	22.24		7.29		350	13.34	3000	0.038	381	55			3.05	0.44
Nifty 150	1775	225	19.62		14.86		314.2	11.77	2646	0.037	375	54			1.32	0.19
Nifty 170	2160	200	23.15		19.34		540	13.89	3123	0.026	257	37			1.20	0.17
Nifty 210	3495	225	36.49		22.5		680	21.90	4922	0.032	322	47			1.62	0.24
HR12LE	2540	200	26.88	3.58	3.58	390		16.13	3626	0.041	414	60	7.51	1.09	7.51	1.09
HR12NE (MK3)	3480	225	36.35	2.85	2.85	441		21.81	4903	0.049	495	72	12.75	1.85	12.75	1.85
HR12 4x4 (MK2)	3450	227	36.07	3.04	3.04	229.6		21.64	4865	0.094	943	137	11.87	1.72	11.87	1.72
HR15N	7250	227	73.35	2.925	2.925	340		44.01	9894	0.129	1294	188	25.08	3.64	25.08	3.64
HR15E	4680	227	48.14	4	4	370		28.88	6493	0.078	781	113	12.03	1.74	12.03	1.74
HR15 4x4 Diesel	4500	227	46.37	4	4	370		27.82	6255	0.075	752	109	11.59	1.68	11.59	1.68
HR15 4x4 Hybrid	4800	227	49.31	4	4	370		29.59	6652	0.080	800	116	12.33	1.79	12.33	1.79
HR17N	7780	227	78.55	2.925	2.925	340		47.13	10595	0.139	1386	201	26.85	3.89	26.85	3.89
HR17E	4970	227	50.98	4	4	370		30.59	6877	0.083	827	120	12.75	1.85	12.75	1.85
HR17 4x4	5000	227	51.28	4	4	370		30.77	6916	0.083	832	121	12.82	1.86	12.82	1.86
HR21E	6640	250	67.59	5.2	5.2	370		40.55	9117	0.110	1096	159	13.00	1.88	13.00	1.88
HR21 4x4	6680	250	67.98	5.2	5.2	370		40.79	9170	0.110	1102	160	13.07	1.90	13.07	1.90
HR22SE	9980	280	100.65	6.474	6.474	679		60.39	13576	0.089	889	129	15.55	2.25	15.55	2.25
HR22SDE	10220	280	103.01	6.474	6.474	679		61.80	13894	0.091	910	132	15.91	2.31	15.91	2.31
HR28 4x4 Battery	14380	280	143.81	6.474	6.474	679		86.29	19398	0.127	1271	184	22.21	3.22	22.21	3.22
HR28 4x4 Hybrid	14460	280	144.60	6.474	6.474	679		86.76	19504	0.128	1278	185	22.34	3.24	22.34	3.24
SD170 4x4	2750	200	28.94	3.72	19.34		504	17.36	3904	0.034	345	50	7.78	1.13	1.50	0.22
SD210 4x4x4	3950	227	40.98	4.4	19.7		558	24.59	5527	0.044	441	64	9.31	1.35	2.08	0.30
TD120TN	1890	200	20.50	2.09	15.83		324.3	12.30	2766	0.038	379	55	9.81	1.42	1.30	0.19
TD120T	1890	200	20.50	2.09	15.83		324.3	12.30	2766	0.038	379	55	9.81	1.42	1.30	0.19
TD150T	2025	225	22.07	2.45	14.86		314.2	13.24	2977	0.042	421	61	9.01	1.31	1.49	0.22

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 working 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.

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Niftylift Point Loadings Chart - USA Products

	Mass	SWL	Max Weight	Transit [1] Area	Working [2] Area	Tyre Area	Foot Area	Point Loading [3] (Realistic Worst Case)		Floor Loading [4] (Transit)	Floor Loading [5] (Working)
	A [lbs]	**B** [lbs]	**C** [lbs]	**D** [ft^2]	**E** [ft^2]	**F** [in^2]	**G** [in^2]	**J** [lb$_f$]	**M** [lb$_f$/in^2 (psi)]	**P** [lb$_f$/ft^2 (psf)]	**R** [lb$_f$/ft^2 (psf)]
			= (A + B)	*= wheelbase x width*	*= working footprint area*	*= area of one tyre*	*= area of one foot*	*= C x 0.6*	*= J / (F or G)*	*= C / D*	*= C / E*
TM34 (M)	2560	500	3060		78.47		28.27	1836	65		39.00
TM34T	3110	440	3550		139.93		50.27	2130	42		25.37
TM40S	4500	500	5000		78.47		54.25	3000	55		63.72
TM42T	3990	500	4490		159.95		48.70	2694	55		28.07
TM50	4890	440	5330		208.17		83.70	3198	38		25.60
TM64	7610	500	8110		242.19		105.40	4866	46		33.49
SP34LE	5640	440	6080	38.53	38.53	60.45		3648	60	157.78	157.78
SP34NE (MK3)	7670	500	8170	30.68	30.68	68.36		4902	72	266.32	266.32
SP34 4x4 (MK2)	7610	500	8110	32.72	32.72	35.59		4866	137	247.84	247.84
SP45N	15980	500	16480	31.48	31.48	52.70		9888	188	523.43	523.43
SP45E	10320	500	10820	43.06	43.06	57.35		6492	113	251.30	251.30
SP45 4x4 Diesel	10010	500	10510	43.06	43.06	57.35		6306	110	244.10	244.10
SP45 4x4 Hybrid	10800	500	11300	43.06	43.06	57.35		6780	118	262.45	262.45
SP50N	17155	500	17655	31.48	31.48	52.70		10593	201	560.75	560.75
SP50E	10960	500	11460	43.06	43.06	57.35		6876	120	266.17	266.17
SP50 4x4	11290	500	11790	43.06	43.06	57.35		7074	123	273.83	273.83
SP64E	14730	550	15280	55.97	55.97	57.35		9168	160	272.99	272.99
SP64 4x4	14790	550	15340	55.97	55.97	57.35		9204	160	274.06	274.06
SP65SE	22000	620	22620	69.69	69.69	105.25		13572	129	324.60	324.60
SP65SDE	22530	620	23150	69.69	69.69	105.25		13890	132	332.21	332.21
SP85 Battery	31700	620	32320	69.69	69.69	105.25		19392	184	463.80	463.80
SP85 Hybrid	31880	620	32500	69.69	69.69	105.25		19500	185	466.38	466.38
SD50 4x4	6060	500	6560	40.04	208.17		78.12	3936	50	163.83	31.51
SD64 4x4x4	9170	500	9670	47.36	212.05		86.49	5802	67	204.18	45.60
TD34TN	3990	500	4490	17.22	112.27		50.27	2694	54	260.71	39.99
TD34T	4080	500	4580	22.50	170.39		50.27	2748	55	203.59	26.88
TD42T	4390	500	4890	26.37	159.95		48.70	2934	60	185.43	30.57

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.
(2)	The working 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.
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