

Weight Distribution

Boom No. 78T With Heavy Lift Top

777T

Front Outriggers Fully Retracted										
Components	Weight Distribution for Traveling									
	Upper Facing Rear				Total Weight		Upper Facing Front			
	Front Tandem		Rear Tridem				Front Tandem		Rear Tridem	
	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms
Carrier	28,240	12 809	29,240	13 263	57,480	26 072	28,240	12 809	29,240	13 263
	28,240	12 809	29,240	13 263	57,480	26 072	28,240	12 809	29,240	13 263
Upperworks	13,836	6 276	19,912	9 032	33,748	15 308	-6,766	-3 069	40,514	18 377
	42,076	19 085	49,152	22 295	91,228	41 380	21,474	9 740	69,754	31 640
9.5 Ft. Butt	-477	-216	2,842	1 289	2,365	1 073	972	441	1,393	632
	41,599	18 869	51,994	23 584	93,593	42 453	22,446	10 181	71,147	32 272
26 Ft. Mast Down	-5,268	-2 389	19,538	8 862	14,270	6 473	8,255	3 745	6,015	2 728
	36,331	16 480	71,532	32 446	107,863	48 926	30,702	13 926	77,161	35 000
Hoist Line-1200 Ft.	189	86	2,246	1 019	2,435	1 104	321	146	2,114	959
	36,520	16 565	73,778	33 465	110,298	50 030	31,023	14 072	79,275	35 959
Whip Line-900 Ft.	402	182	1,423	646	1,825	828	-20	-9	1,845	837
	36,922	16 748	75,201	34 111	112,123	50 858	31,003	14 063	81,120	36 796
Front Outriggers	4,538	2 058	3,532	1 602	8,070	3 660	4,538	2 058	3,532	1 602
	41,460	18 806	78,733	35 713	120,193	54 519	35,540	16 121	84,653	38 398
Rear Outriggers	-5,497	-2 493	19,467	8 830	13,970	6 337	-5,497	-2 493	19,467	8 830
	35,962	16 312	98,201	44 543	134,163	60 855	30,043	13 627	104,120	47 228
Counterweight Tray	9,391	4 260	1,068	484	10,459	4 744	-7,201	-3 266	17,660	8 011
	45,354	20 572	99,268	45 027	144,622	65 599	22,842	10 361	121,780	55 239
1 Counterweight Box	15,344	6 960	1,646	746	16,990	7 707				
	60,698	27 532	100,914	45 774	161,612	73 306				
2 Counterweight Boxes	15,344	6 960	1,646	746	16,990	7 707				
	76,042	34 492	102,560	46 520	178,602	81 013				
3 Counterweight Boxes	15,344	6 960	1,646	746	16,990	7 707				
	91,387	41 452	104,205	47 267	195,592	88 719				
4 Counterweight Boxes	15,344	6 960	1,646	746	16,990	7 707				
	106,731	48 412	105,851	48 013	212,582	96 426				
5 Counterweight Boxes	15,344	6 960	1,646	746	16,990	7 707				
	122,075	55 372	107,497	48 760	229,572	104 132				
42.5 Ft. Boom Horizontal	-24,016	-10 893	45,046	20 433	21,030	9 539				
	98,059	44 479	152,543	69 192	250,602	113 671				
Boom Stops	-94	-43	539	245	445	202				
	97,965	44 436	153,082	69 437	251,047	113 873				
175 Ton Block	-10,951	-4 967	16,751	7 598	5,800	2 631				
	87,014	39 469	169,833	77 035	256,847	116 504				
15 Ton Weight Ball	-2,810	-1 275	4,060	1 842	1,250	567				
	84,204	38 194	173,893	78 877	258,097	117 071				
Front Bumper Cwt.	36,768	16 678	-11,768	-5 338	25,000	11 340				
	120,972	54 872	162,125	73 539	283,097	128 411				

Weight Distribution

Boom No. 78T With Heavy Lift Top

777T

Front Outriggers Partially and Fully Extended										
Components	Weight Distribution for Traveling									
	Upper Facing Rear				Total Weight		Upper Facing Front			
	Front Tandem		Rear Tridem				Front Tandem		Rear Tridem	
	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms
Carrier	28,240	12 809	29,240	13 263	57,480	26 072	28,240	12 809	29,240	13 263
	28,240	12 809	29,240	13 263	57,480	26 072	28,240	12 809	29,240	13 263
Upperworks	13,836	6 276	19,912	9 032	33,748	15 308	-6,766	-3 069	40,514	18 377
	42,076	19 085	49,152	22 295	91,228	41 380	21,474	9 740	69,754	31 640
9.5 Ft. Butt	-477	-216	2,842	1 289	2,365	1 073	972	441	1,393	632
	41,599	18 869	51,994	23 584	93,593	42 453	22,446	10 181	71,147	32 272
26 Ft. Mast Down	-5,268	-2389	19,538	8 862	14,270	6 473	8,255	3 745	6,015	2 728
	36,331	16 480	71,532	32 446	107,863	48 926	30,702	13 926	77,161	35 000
Hoist Line-1200 Ft.	189	86	2,246	1 019	2,435	1 104	321	146	2,114	959
	36,520	16 565	73,778	33 465	110,298	50 030	31,023	14 072	79,275	35 959
Whip Line-900 Ft.	402	182	1,423	646	1,825	828	-20	-9	1,845	837
	36,922	16 748	75,201	34 111	112,123	50 858	31,003	14 063	81,120	36 796
Front Outriggers	3,643	1 653	4,427	2 008	8,070	3 660	3,643	1 653	4,427	2 008
	40,565	18 400	79,628	36 119	120,193	54 519	34,646	15 715	85,547	38 803
Rear Outriggers	-5,497	-2 493	19,467	8 830	13,970	6 337	-5,497	-2 493	19,467	8 830
	35,068	15 907	99,095	44 949	134,163	60 855	29,149	13 222	105,014	47 634
Counterweight Tray	9,391	4 260	1,068	484	10,459	4 744	-7,201	-3 266	17,660	8 011
	44,459	20 166	100,163	45 433	144,622	65 599	21,947	9 955	122,675	55 644
1 Counterweight Box	15,344	6 960	1,646	746	16,990	7 707				
	59,804	27 126	101,808	46 180	161,612	73 306				
2 Counterweight Boxes	15,344	6 960	1,646	746	16,990	7 707				
	75,148	34 087	103,454	46 926	178,602	81 013				
3 Counterweight Boxes	15,344	6 960	1,646	746	16,990	7 707				
	90,492	41 047	105,100	47 672	195,592	88 719				
4 Counterweight Boxes	15,344	6 960	1,646	746	16,990	7 707				
	105,837	48 007	106,745	48 419	212,582	96 426				
5 Counterweight Boxes	15,344	6 960	1,646	746	16,990	7 707				
	121,181	54 967	108,391	49 165	229,572	104 132				
42.5 Ft. Boom Horizontal	-24,016	-10 893	45,046	20 433	21,030	9 539				
	97,165	44 073	153,437	69 598	250,602	113 671				
Boom Stops	-94	-43	539	245	445	202				
	97,071	44 031	153,976	69 842	251,047	113 873				
175 Ton Block	-10,951	-4 967	16,751	7 598	5,800	2 631				
	86,120	39 063	170,727	77 441	256,847	116 504				
15 Ton Weight Ball	-2,810	-1 275	4,060	1 842	1,250	567				
	83,310	37 789	174,787	79 282	258,097	117 071				
Front Bumper Cwt.	36,768	16 678	-11,768	-5 338	25,000	11 340				
	120,078	54 466	163,020	73 944	283,097	128 411				