



Weight Distribution

Boom No. 222 With Open Throat Top

222 WAGON

Components	Weight Distribution for Traveling									
	Upper Facing Rear				Total Weight		Upper Facing Front			
	Front Tandem		Rear Tandem				Front Tandem		Rear Tandem	
	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms
Manitowoc 8 x 4 Wagon	36,259	16 447	37,441	16 983	73,700	33 430	36,259	16 447	37,441	16 983
	36,259	16 447	37,441	16 983	73,700	33 430	36,259	16 447	37,441	16 983
Upperworks	24,333	11 037	10,638	4 825	34,971	15 863	10,638	4 825	24,333	11 037
	60,593	27 484	48,078	21 808	108,671	49 292	46,897	21 272	61,774	28 020
19 Ft. (5.8m) Butt	-755	-343	2,455	1 114	1,700	771	2,455	1 114	-755	-343
	59,837	27 142	50,534	22 922	110,371	50 063	49,352	22 386	61,019	27 678
Gantry Up	3,259	1 478	-159	-72	3,100	1 406	-159	-72	3,259	1 478
	63,096	28 620	50,375	22 850	113,471	51 470	49,193	22 314	64,278	29 156
Hoist Line - 775 Ft. (236m)	781	354	404	183	1,185	538	404	183	781	354
	63,877	28 974	50,779	23 033	114,656	52 007	49,598	22 497	65,058	29 510
Whip Line - 535 Ft. (163m)	785	356	35	16	820	372	35	16	785	356
	64,661	29 330	50,815	23 049	115,476	52 379	49,633	22 513	65,843	29 866
Boom Hoist Line	431	195	-61	-28	370	168	-61	-28	431	195
	65,092	29 525	50,754	23 022	115,846	52 547	49,573	22 486	66,273	30 061
1st Counterweight	37,657	17 081	-9,157	-4 153	28,500	12 927	-9,157	-4 153	37,657	17 081
	102,749	46 606	41,597	18 868	144,346	65 474	40,416	18 332	103,930	47 142
2nd Counterweight	14,151	6 419	-4,151	-1 883	10,000	4 536	-4,151	-1 883	14,151	6 419
	116,899	53 025	37,447	16 986	154,346	70 010	36,266	16 450	118,080	53 560
3rd Counterweight	37,100	16 828	-12,300	-5 579	24,800	11 249	-12,300	-5 579	37,100	16 828
	153,999	69 853	25,147	11 406	179,146	81 259	23,966	10 871	155,180	70 389
40 Ft. (12.2m) Boom-Horizontal	-6,904	-3 132	10,409	4 721	3,505	1 590	10,409	4 721	-6,904	-3 132
	147,095	66 721	35,556	16 128	182,651	82 849	34,375	15 592	148,276	67 257
100 Ton (91t) Block	-7,164	-3 250	9,704	4 402	2,540	1 152	9,704	4 402	-7,164	-3 250
	139,931	63 472	45,260	20 530	185,191	84 001	44,079	19 994	141,112	64 007
10 Ton (9t) Weight Ball	-1,871	-848	2,481	1 125	610	277	2,481	1 125	-1,871	-848
	138,061	62 623	47,740	21 655	185,801	84 278	46,559	21 119	139,242	63 159