



TRANSPORTATION SPECS - Crawler Cranes

MANITOWOC MODEL 999 - 275 TON CAPACITY

<u>COMPONENT WEIGHTS</u>		<u>LBS.</u>	<u>KGS.</u>	<u>BOOM # 82 EL 70' MIN / 290' MAX 21.3 M MIN / 88.3 M MAX.</u>		
Complete Crane c/w 70' Boom (Inc. 220 Ton Block, Ball + Max. CWT)		464,713	210 794	OD (tubular) 95" x 95"	<u>LBS</u>	<u>KGS</u>
Upper, carbody, mast, gantry & cables		87,480	39 680	#82E Butt 30'	10,260	4 654
Counterweight	Upper max.	219,600	99 610	#82L Tip 40' c/w 7 sheave lower point, upper boom point, wire rope guide + pendants	11,995	5 441
Counterweight	Lower max.	80,000	36 288	#82E Insert 10' c/w pendants	2,035	923
Tracks – 48" shoes (2)	each	42,300	19 187	#82 Insert 20' c/w pendants	3,230	1 465
				#82 Insert 40' c/w pendants	5,400	2 450
<u>ADDITIONAL INFORMATION</u>				(see boom & jib section for composition details)		
220 Ton Block, 7 Sheave		5,628	2 552	<u>JIB NO. 134 30' MIN / 80' MAX</u>		
45 Ton Assembly Block		2,600	1 180	(10' AND 20' SECTIONS)		
15 Ton Hook & Weight Ball		1,310	594	OD (Tubular) 60" x 49"		
Bail Shackle		492	223	80' jib assy. c/w pendants	5,633	2 555
30' Mast		5,190	2 354	Jib Butt	580	263
10' 2 3/4" Gantry		4,315	1 957	Jib Tip	860	390
Carbody Jacks (4)	each	610	277	10' Insert & c/w pendants	480	218
Boom Stops		765	347	20' Insert & c/w pendants	750	340
Upper Boom Point		905	411	12'6" Jib Strut	665	302
Main Load Line	26 mm x 1,625 feet (495 m)	3,299	1 497	<u>COUNTERWEIGHT (UPPER)</u>		
Auxiliary Hoist Line	26 mm x 1,010 feet (308 m)	2,050	930	CWT tray (13' x 7'4" x 1')	21,000	9 525
Boom Susp. Line	7/8" x 1,060 feet.	1,590	721	Side (10) (7'4" x 3'6" x 2'3")	each 17,500	7 938
				Center (7'7" x 4'2" x 5')	23,500	10 659
				CWT Assy. Pins	100	45
				Total Upper CWT	219,500	99 610
				<u>COUNTERWEIGHT CARBODY</u>		
				Carbody (2) (9'9" x 5'11" x 2'8")	each 22,000	9 979
				Carbody (2) (9' x 4'11" x 1'4")	each 18,000	8 165
				Total Carbody CWT	80,000	36 288

TRANSPORTATION

- This crane is normally hauled in the following configuration:
1. Upper, carbody, mast, gantry and cables. Use wheeler with maximum trailer width of 10' and height of 42" for clearances.
 2. Tracks.
 3. Counterweight and boom.
 4. Counterweight and boom.
 5. Counterweight and boom.
 6. Additional boom (if required).

STERLING CRANE

STANDARD BREAKDOWN FOR TRANSPORT – SERIES 1

TRACKS OFF – HOUSE, CARBODY & MAST – 8 PC CWT – 200' BOOM

LOAD	DESCRIPTION	DIMENSIONS			WEIGHT		SEASON	TRAILER
		(L)	(W)	(H)	(LBS)	(KGS)		
1.	Upper, Carbody & Mast	38' 11"	9' 10"	11' 1"	87,480	39 680	SB + PB S F W	28 WH 24 WH 20 WH 16 WH
2.	Tracks @ 42,300 lb. (2) 45 Ton Assy. Block	28' 2"	4' 10"	3' 8"	84,600 <u>2,600</u> 87,200	38 375 <u>1 180</u> 39 555	ALL	S/B TRAIN
3.	30' Boom Butt 10' Boom Insert Upperworks CWT Tray Upperworks Center CWT Rigging Box	34' 5" 10' 4" 13' 7' 7"	7' 11" 7' 11" 7' 4" 4' 2"	8' 2" 8' 4" 1' 1" 5'	10,260 2,035 21,000 23,500 <u>1,000</u> 57,795	4 654 923 9 525 10 659 <u>454</u> 26 215	ALL	Tri Step
4.	40' Boom Side CWT Box @ 17,500 lb. (3)	40' 7' 4"	7' 11" 3' 6"	8' 4" 2' 3"	5,400 <u>52,500</u> 57,900	2 450 <u>23 814</u> 26 264	ALL	Double Drop Triaxle
5.	40' Boom Side CWT Box @ 17,500 lb. (3)	40' 7' 4"	7' 11" 3' 6"	8' 4" 2' 3"	5,400 <u>52,500</u> 57,900	2 450 <u>23 814</u> 26 264	ALL	Double Drop Triaxle
6.	40' Boom Tip 220T Block & Ball	41' 10"	7' 11"	8' 4"	11,995 <u>6,878</u> 18,873	5 441 <u>3 119</u> 8 560		Tand HB
7.	40' Boom	40'	7' 11"	8' 4"	5,400	2 450		Tand HB
Extra Boom (If required)								
8.	10' Boom Insert 20' Boom Insert	10' 20'	7' 11" 7' 11"	8' 4" 8' 4"	2,035 <u>3,230</u> 5,265	923 <u>1 465</u> 2 388	ALL	Tand HB
9.	40' Boom Insert	40'	7' 11"	8' 4"	5,400	2 450	ALL	Tand HB

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STANDARD BREAKDOWN FOR TRANSPORT – SERIES 2

TRACKS OFF – HOUSE, CARBODY & MAST – 12 PC CWT – 200' BOOM

LOAD	DESCRIPTION	DIMENSIONS			WEIGHT		SEASON	TRAILER
		(L)	(W)	(H)	(LBS)	(KGS)		
1.	Upper, Carbody & Mast	38' 11"	9' 10"	11' 1"	87,480	38 375	SB + PB S F W	28 WH 24 WH 20 WH 16 WH
2.	Tracks @ 41,300 lb. (2) 45 Ton Assy. Block	28' 2"	4' 10"	3' 8"	84,600 <u>2,600</u> 87,200	38 375 <u>1 180</u> 39 555	ALL	S/B TRAIN
3.	30' Boom Butt 10' Boom Insert Upperworks CWT Tray Upperworks Center CWT	34' 5" 10' 13' 7' 7"	7' 11" 7' 11" 7' 4" 4' 2"	8' 2" 8' 4" 1' ½" 5'	10,260 2,035 21,050 <u>23,500</u> 56,845	4 654 923 9 548 <u>10 659</u> 25 839	ALL	Tri Step
4.	40' Boom Carbody CWT @ 22,000 lb. (2) Rigging Box	40' 9'9"	7' 11" 5'11"	8' 4" 2'8"	5,400 44,000 <u>1,000</u> 50,400	2 450 19 958 <u>454</u> 22 909	ALL	Double Drop Tri
5.	40' Boom Tip Side CWT Box @ 17,500 lb. (2) 220T Block & Ball	41' 10" 7' 4"	7' 11" 3' 6"	7' 11" 2' 3"	11,995 35,000 <u>6,878</u> 53,873	5 441 15 876 <u>3 119</u> 24 436	ALL	Double Drop Tri
6.	40' Boom Side CWT Box @ 17,500 lb. (3)	40' 7' 4"	7' 11" 3' 6"	8' 4" 2' 3"	5,400 <u>52,500</u> 57,900	2 450 <u>23 814</u> 26 264	ALL	Double Drop Tri
7.	40' Boom Side CWT Box @ 17,500 lb. (3)	40' 7' 4"	7' 11" 3' 6"	8' 4" 2' 3"	5,400 <u>52,500</u> 57,900	2 450 <u>23 814</u> 26 264	ALL	Double Drop Tri
Extra Boom (If required)								
8.	10' Boom Insert 20' Boom Insert	10' 20'	7' 11" 7' 11"	8' 4" 8' 4"	2,035 <u>3,230</u> 5,265	923 <u>1 465</u> 2 388	ALL	Tand HB
9.	40' Boom Insert	40'	7' 11"	8' 4"	5,400	2 450	ALL	Tand HB

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STANDARD BREAKDOWN FOR TRANSPORT – SERIES 3 TRACKS OFF – HOUSE, CARBODY & MAST – 16 PC CWT – 200' BOOM

LOAD	DESCRIPTION	DIMENSIONS			WEIGHT		SEASON	TRAILER
		(L)	(W)	(H)	(LBS)	(KGS)		
1.	Upper, Carbody & Mast	38' 11"	9' 10"	11' 1"	87,480	38 375	SB + PB S F W	28 WH 24 WH 20 WH 16 WH
2.	Tracks @ 41,300 lb. (2) 45 Ton Assy. Block	28' 2"	4' 10"	3' 8"	84,600 <u>2,600</u> 87,200	38 375 <u>1 180</u> 39 555	ALL	S/B TRAIN
3.	30' Boom Butt 10' Boom Insert Upperworks CWT Tray Upperworks Center CWT	34' 5" 10' 13' 7' 7"	7' 11" 7' 11" 7' 4" 4' 2"	8' 2" 8' 4" 1' 1/2" 5'	10,260 2,035 21,050 <u>23,500</u> 56,845	4 654 923 9 548 <u>10 659</u> 25 839	ALL	Tri Step
4.	40' Boom Carbody CWT @ 22,000 lb. (2) Rigging Box	40' 9'9"	7' 11" 5'11"	8' 4" 2'8"	5,400 44,000 <u>1,000</u> 50,400	2 450 19 958 <u>454</u> 22 909	ALL	Tri Step
5.	40' Boom Tip Side CWT Box @ 17,500 lb. (2) 220T Block & Ball	41' 10" 7' 4"	7' 11" 3' 6"	7' 11" 2' 3"	11,995 35,000 <u>6,878</u> 53,873	5 441 15 876 <u>3 119</u> 24 436	ALL	Double Drop Triaxle
6.	40' Boom Side CWT Box @ 17,500 lb. (3)	40' 7' 4"	7' 11" 3' 6"	8' 4" 2' 3"	5,400 <u>52,500</u> 57,900	2 450 <u>23 814</u> 26 264	ALL	Double Drop Triaxle
7.	40' Boom Side CWT Box @ 17,500 lb. (3)	40' 7' 4"	7' 11" 3' 6"	8' 4" 2' 3"	5,400 <u>52,500</u> 57,900	2 450 <u>23 814</u> 26 264	ALL	Double Drop Triaxle
8.	Carbody CWT @ 18,000 lb. (2) Side CWT Box @ 17,500 lb. (2)	9' 7' 4"	4' 11" 3' 6"	1'4" 2' 3"	36,000 <u>35,000</u> 71,000	16 330 <u>15 876</u> 32 206	ALL	S/B TRAIN
Extra Boom (If required)								
9.	10' Boom Insert 20' Boom Insert	10' 20'	7' 11" 7' 11"	8' 4" 8' 4"	2,035 <u>3,230</u> 5,265	923 <u>1 465</u> 2 388	ALL	Tand HB
10.	40' Boom Insert	40'	7' 11"	8' 4"	5,400	2 450	ALL	Tand HB

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MANITOWOC 82EL BOOM COMPOSITION

/Boom Length In Feet	30 Ft. (9.14 M) Butt	10 Ft. (3.05) Insert	20 Ft. (6.1 M) Insert	40 Ft. (12.19 M) Insert	10 Ft. (12.19 M) Tip
70' (21.3 M)	1	-	-	-	1
80' (24.4 M)	1	1	-	-	1
90' (27.4 M)	1	-	1	-	1
100' (30.5 M)	1	1	1	-	1
110' (33.5 M)	1	-	-	1	1
120' (36.6 M)	1	1	-	1	1
130' (39.6 M)	1	-	1	1	1
140' (42.7 M)	1	1	1	1	1
150' (45.7 M)	1	-	-	2	1
160' (48.8 M)	1	1	-	2	1
170' (51.8 M)	1	-	1	2	1
180' (54.9 M)	1	1	1	2	1
190' (57.9 M)	1	-	-	3	1
200' (61.0 M)	1	1	-	3	1
210' (64.0 M)	1	-	1	3	1
220' (67.1 M)	1	1	1	3	1
230' (70.1 M)	1	-	-	4	1
240' (73.2 M)	1	1	-	4	1
250' (76.2 M)	1	-	1	4	1
260' (79.2 M)	1	1	1	4	1
270' (82.3 M)	1	-	-	5	1
280' (85.3 M)	1	1	-	5	1
290' (88.4 M)	1	-	1	5	1

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MANITOWOC 134 JIB COMPOSITION

<u>JIB LENGTH IN FEET</u>	15 Ft. (4.6 M) Butt	10 Ft. (3.1 M) Insert	20 Ft. (6.1 M) Insert	15 Ft. (4.6 M) Tip
30' (9.1 M)	1	-	-	1
40' (12.2 M)	1	1	-	1
50' (15.2 M)	1	2	-	1
50' (15.2 M)	1	-	1	1
60' (18.3 M)	1	3	-	1
60' (18.3 M)	1	1	1	1
70' (21.3 M)	1	2	1	1
80' (24.4 M)	1	3	1	1

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