



## TRANSPORTATION SPECS - Crawler Cranes

### MANITOWOC MODEL 888 - 230 TON CAPACITY

<u>COMPONENT WEIGHTS</u>		<u>LBS.</u>	<u>KGS.</u>	<u>BOOM # 22 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)		425,093	192 823	<u>OD (tubular) 95" x 95"</u> <u>#22E Butt 30'</u>	<u>LBS</u> 10,260	<u>KGS</u> 4 654
Upper, carbody, mast, gantry & cables		95,000	43 092	#22L Tip 40' c/w 7 sheave lower point, upper boom point, wire rope guide + pendants	11,995	5 441
Counterweight	Upper max.	179,500	81 420	#22E Insert 10' c/w pendants	2,620	1 189
Counterweight	Lower max.	44,130	20 018	#22 Insert 20' c/w pendants	3,130	1 420
Tracks – 48" shoes (2)	each	41,300	18 733	#22 Insert 40' c/w pendants	5,400	2 450
<u>COUNTERWEIGHT (UPPER)</u>				(see boom & jib section for composition details)		
Center CWT (7'7" x 4'2" x 5')		18,350	8 324			
CWT tray (13' x 7'4" x 1')		21,050	9 548			
Side (8) (7'4" x 3'6" x 2'3")		17,500	7 938			
CWT Assy. Pins		100	43			
Total Upper CWT		179,500	81 420			
<u>COUNTERWEIGHT CARBODY</u>				<u>JIB NO. 134 30' MIN / 80' MAX</u>		
Carbody (2) (9'11" x 4'1" x 2'4")	each	22,000	9 979	(10' AND 20' SECTIONS)		
Step (2)		65	29			
Total Carbody CWT		44,130	20 059	<u>OD (Tubular) 60" x 49"</u>		
<u>ADDITIONAL INFORMATION</u>				80' jib assy. c/w pendants	5,485	2 488
220 Ton Block, 7 Sheave		5,628	2 552	Jib Butt	580	263
30 Ton Assembly Block , 1 Sheave		2,000	907	Jib Tip	860	390
15 Ton Hook & Weight Ball		1,500	567	10' Insert & c/w pendants	480	218
Bail Shackle		492	223	20' Insert & c/w pendants	750	340
30' Mast		5,190	2 354	12'6" Jib Strut	665	302
10' 2 3/4" Gantry		4,315	1 957	<u>JIB NO. 135 70' MIN /170' MAX</u>		
Carbody Jacks (4)	each	610	277	<u>OD (Tubular) 62" x 50"</u>		
Boom Stops		765	347	#135 Luffing Butt (27')	2,279	1 036
Upper Boom Point		905	411	#135 Luffing Tip (23') c/w Roller and pendants	4,375	1 984
Main Load Line	26 mm x 1,625 feet (495 m)	3,299	1 497	Jib Inserts		
Auxiliary Hoist Line	26 mm x 1,010 feet (308 m)	2,050	930	10' c/w pendants	840	381
Boom Susp. Line	7/8" x 1,060 feet.	1,590	721	20' c/w pendants	1,350	612
				40' c/w pendants	2,315	1 050
				Box of Misc. Parts	4,690	2 132
				Main Strut (24.9' x 5' x 2.26')	3,392	1 542
				Jib Strut (28.4' x 5' x 2.26')	4,490	2 041
<u>TRANSPORTATION</u>						
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	40' 1"	11' 3"	10' 2"	86,535	38 798	SB + PB S F W	28 WH 24 WH 20 WH 16 WH
2.	Tracks @ 41,300 lb. (2) 30 Ton Assy. Block	28' 2"	4' 10"	3' 8"	82,600 <u>2,000</u> 84,600	37 468 <u>907</u> 38 375	ALL	S/B TRAIN
3.	30' Boom Butt 10' Boom Insert Upperworks CWT Tray Upperworks Center CWT Rigging Box	34' 5" 10' 13' 7' 7"	7' 11" 7' 11" 7' 4" 4' 2"	8' 2" 7' 11" 1' ½" 5'	10,260 2,180 21,050 18,000 <u>1,000</u> 52,490	4 654 989 9 548 8 165 <u>454</u> 23 810	ALL	Tri Step
4.	40' Boom Side CWT Box @ 17,500 lb. (3)	40' 7' 4"	7' 11" 3' 6"	7' 11" 2' 3"	5,400 <u>52,500</u> 57,900	2 450 <u>23 814</u> 26 264	ALL	Double Drop Tri
5.	40' Boom Side CWT Box @ 17,500 lb. (3)	40' 7' 4"	7' 11" 3' 6"	7' 11" 2' 3"	5,400 <u>52,500</u> 57,900	2 450 <u>23 814</u> 26 264	ALL	Double Drop Tri
6.	40' Boom 220 T Block & Ball	40'	7' 11"	7' 11"	5,400 <u>6,878</u> 12,278	2 450 <u>3 126</u> 5 581		Tand HB
7.	40' Boom Tip	41' 10"	7' 11"	7' 11"	11,995	5 441		Tand HB
Extra Boom (If required)								
8.	10' Boom Insert 20' Boom Insert	10' 20'	7' 11" 7' 11"	7' 11" 7' 11"	2,180 <u>3,130</u> 5,310	989 <u>1 420</u> 2 409	ALL	Tand HB
9.	40' Boom Insert	40'	7' 11"	7' 11"	5,400	2 450	ALL	Tand HB

# STERLING CRANE

## 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	40' 1"	11' 3"	10' 2"	86,535	38 798	SB + PB S F W	28 WH 24 WH 20 WH 16 WH
2.	Tracks @ 41,300 lb. (2) 30 Ton Assy. Block	28' 2"	4' 10"	3' 8"	82,600 <u>2,000</u> 84,600	37 468 <u>907</u> 38 375	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" 7' 11" 1' ½" 5'	10,260 2,180 21,050 <u>18,000</u> 51,490	4 654 989 9 548 <u>8 165</u> 23 405	ALL	Step Deck Triaxle
4.	40' Boom Carbody CWT @ 22,000 lb. (2) Rigging Box 220T Block & Ball	40' 9' 11"	7' 11" 4' 11"	7' 11" 2' 4"	5,400 44,000 1,000 <u>6,878</u> 57,278	2 450 19 958 454 <u>3 119</u> 26 035	ALL	Double Drop Triaxle
5.	40' Boom Tip Side CWT Box @ 17,500 lb. (2)	41' 10" 7' 4"	7' 11" 3' 6"	7' 11" 2' 3"	11,995 <u>35,000</u> 46,995	5 441 <u>15 876</u> 21 317	ALL	Double Drop Triaxle
6.	40' Boom Side CWT Box @ 17,500 lb. (3)	40' 7' 4"	7' 11" 3' 6"	7' 11" 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"	7' 11" 2' 3"	5,400 <u>52,500</u> 57,900	2 450 <u>23 814</u> 26 264	ALL	Double Drop Triaxle
Extra Boom (If required)								
8.	10' Boom Insert 20' Boom Insert	10' 20'	7' 11" 7' 11"	7' 11" 7' 11"	2,180 <u>3,130</u> 5,310	989 <u>1 420</u> 2 409	ALL	Tand HB
9.	40' Boom Insert	40'	7' 11"	7' 11"	5,400	2 450	ALL	Tand HB

# STERLING CRANE

## MANITOWOC 22EL 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

# STERLING CRANE

## MANITOWOC #134 JIB COMPOSITION

Jib Length In Feet	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

## MANITOWOC #135 LUFFING JIB COMPOSITION

<u>JIB LENGTH IN FEET</u>	27 Ft. (8.2 M) Butt	10 Ft. (3 M) Insert	20 Ft. (6.1 M) Insert	40 Ft. (12.2 M) Insert	23 Ft. (7 M) Tip
70' (21.3 M)	1	0	1	0	1
80' (24.4 M)	1	1	1	0	1
90' (27.4 M)	1	0	0	1	1
100' (30.5 M)	1	1	0	1	1
110' (33.5 M)	1	0	1	1	1
120' (36.6 M)	1	1	1	1	1
130' (39.6 M)	1	0	0	2	1
140' (42.7 M)	1	1	0	2	1
150' (45.7 M)	1	0	1	2	1
160' (48.8 M)	1	1	1	2	1
170' (51.8 M)	1	0	2	2	1

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