



TRANSPORTATION SPECS - Crawler Cranes

DEMAG MODEL CC 8800 - 1375 TON CAPACITY

<u>COMPONENT WEIGHTS</u>	<u>LBS.</u>	<u>KGS.</u>	<u>MAIN BOOM 157' TO 354' OR 48M TO 108M</u>		
Complete Crane C/W 48m Boom, 280t Cwt, 100t Ballast Cwt, 2 x 625t Block and Superlift Mast with Zero Cwt	2,371,700	1,078,045	<u>OD (Tubular) 11'6" x 10'8"</u>	<u>LBS</u>	<u>KGS</u>
			Butt Section 9m C/W Winch W1	83,800	38,091
Superstructure – Front (30'2" x 11'6" x 8'11")	88,200	40,091	Insert 6m, 2 Pcs. Each	23,200	10,500
- Rear (46'11" x 11'6" x 10'4")	88,200	40,091	Insert 12m, 7 Pcs. Each	38,600	17,500
Container Power Pack (39'9" x 9'10" x 9'6")	66,200	30,091	Adapter Head With Sheave Set 3 M	22,100	10,000
Crawler Front, 2 Pcs. Each (24'8" x 9'1" x 8'11")	101,400	46,000			
Crawler Rear, 2 Pcs. Each (25'11" x 9'1" x 8'11")	97,000	44,000	<u>SUPERLIFT MAST 137' OR 42M</u>		
Carbody Center (20' x 11'6" x 9'6")	121,250	55,114	<u>OD (Tubular) 10'6" x 10'2"</u>		
Carbody Cross Beams, 2 Pcs. Each (32'2" x 5' x 8'11")	66,000	30,000	Butt Section 9m With Winch W2	60,000	27,200
			Insert 12m	21,200	9,600
			Insert 12m	25,100	11,380
<u>COUNTERWEIGHT</u>			Tip Section 9m, Wide Bridle W2	55,200	25,091
Counterweight Tray (24' x 7'9" x 1'2")	55,200	25,091			
Main Counterweight, 24 Pcs. Each	22,050	10,000	<u>LUFFING JIB 118' TO 354' OR 36M TO 108M</u>		
1 Pc.	33,069	15,000	<u>OD (Tubular) 11'6" x 10'8"</u>		
Ballast Counterweight, 10 Pcs. Each	22,050	10,023	Butt Section 9m	24,950	11,300
Central Ballast Traverse, 2 Pcs. Each (10'10" x 6'7" x 5')	15,500	7,000	Insert 6m	12,700	5,766
Superlift Counterweight, 60 Pcs. Each	22,050	10,000	Insert 6m	12,450	5,635
Superlift Frame, 2 Pcs. Each	19,900	9,000	Insert 12, 5 Pcs. Each	22,000	9,960
			Insert 12m, 5 Pcs. Each	18,900	8,540
<u>ADDITIONAL INFORMATION</u>			Adapter Head With Sheave Set, 3m	37,200	16,875
Winches, H1 & H2, Each	40,200	18,200			
Winch – H3	28,900	12,045	<u>UPPER LUFFING MAST, 27M</u>		
Block, 2 x 625t (22'8" x 11'6" x 5')	97,000	44,000	<u>OD (Tubular) 8'6" x 6'7"</u>		
Block 100t	17,200	7,800	Butt Section 9m	13,500	6,110
Spreader	2,700	1,215	Insert 12m	10,700	4,865
Runner 3m	5,200	2,350	Tip Section 6m	12,800	5,800
Trailer	4,100	1,850			
Stinger	39,700	18,000	<u>LOWER LUFFING MAST, 25M</u>		
Counterweight Carrier Frame c/w Cylinders (42'4" x 11'6" x 8'11")	102,000	46,267	<u>OD (Tubular) 8'6" x 6'7"</u>		
Counterweight Carriers Wheel Set, 2 Pcs. Each (17'9" x 9' x 10'6")	68,400	31,000	Butt Section 7m	8,700	3,950
Superlift Tray	19,850	9,023	Insert 12m	6,600	2,965
Container: 8' x 40'	40,000	18,182	Tip Section 6m	9,100	4,100
Crawler Carrier Platform, 2 Pcs. Each	8,100	3,650			
Hook Block Plates, 2 Pcs. Each	2,500	1,150			
Container Beam Front & Back	8,000	3,600			
Mounting Traverse	4,600	2,070			
Support Jack	1,300	565			
Cylinder, 2 Pcs. Each	7,300	3,300			
Cylinder, 2 Pcs. Each	4,400	2,000			

STERLING CRANE

STANDARD BREAKDOWN FOR TRANSPORT IN ALBERTA
 CC8800 DEMAG: 66m, 100t Ballast CWT, 280t Main CWT, 42m Mast
 STINGER AND ZERO SUPERLIFT CWT.

LOAD #	DESCRIPTION	DIMENSIONS (Ft.)			WEIGHT		SEASON	TRAILER WHEELS
		(L)	(W)	(H)	(LBS)	(KGS)		
1	Superstructure Front	30'2"	11'6"	8'10"	88,200	40,090	B,PB,S,F&W	36,32,28,20,20
2	Superstructure Rear	46'11"	11'6"	10'4"	88,200	40,090	B,PB,S,F&W	36,32,28,20,20
3	Container Power Pack	39'8"	9'10"	9'6"	66,200	30,090	B,PB,S,F&W	24,24,16,16,16
4	Crawler Front #1	24'7"	9'0"	8'10"	101,400	46,000	B,PB,S,F&W	36,32,28,24,24
5	Crawler Front #2	24'7"	9'0"	8'10"	101,400	46,000	B,PB,S,F&W	36,32,28,24,24
6	Crawler Rear #1	25'11"	9'0"	8'10"	97,000	44,000	B,PB,S,F&W	36,32,28,24,24
7	Crawler Rear #2	25'11"	9'0"	8'10"	97,000	44,000	B,PB,S,F&W	36,32,28,24,24
8	Carbody	20'0"	11'6"	9'6"	121,250	55,144	B,PB,S,F&W	48,40,36,32,28
9	Cross Beam #1	32'2"	4'11"	8'10"	66,000	30,000	B,PB,S,F&W	24,24,16,16,16
10	Cross Beam #2	32'2"	4'11"	8'10"	66,000	30,000	B,PB,S,F&W	24,24,16,16,16
11	Counterweight Tray	23'11"	7'8"	1'2"	55,200	25,091	ALL	TRIDEM
12	Boom Butt 9m	34'9"	11'6"	10'8"	83,800	38,091	B,PB,S,F&W	36,32,28,20,20
13	12m Boom	40'8"	11'6"	10'8"	38,600	17,500	ALL	TANDEM
14	12m Boom	40'8"	11'6"	10'8"	38,600	17,545	ALL	TANDEM
15	6m Boom & Ad Head	29'6"	11'6"	10'8"	45,300	20,550	ALL	TRIDEM
16	12m Boom	40'8"	11'6"	10'8"	38,600	17,500	ALL	TANDEM
17	12m Boom	40'8"	11'6"	10'8"	38,600	17,500	ALL	TANDEM
18	2x12 Mast	61'8"	10'6"	10'4"	46,300	20,980	ALL	TRIDEM
19	9m Mast Butt	30'2"	10'6"	10'4"	60,000	27,200	ALL	TRIDEM
20	9m Mast Tip	31'6"	10'6"	10'4"	55,200	25,068	ALL	TRIDEM
21	Winches H1&H2 (each)	9'6"	6'7"	5'11"	80,200	36,400	ALL	SUPER B
22	Winch H3	9'6"	6'7"	5'11"	28,900	12,045	ALL	TRIDEM
23	Hook Block, Part #2	14'1"	5'7"	4'7"	24,250	11,000	ABOVE	ABOVE
24	Hook Block, Part #1	12'10"	11'6"	4'11"	72,750	33,000	B,PB,S,F&W	28,24,20,16,TRI
25	Stinger	36'1"	11'6"	4'11"	39,700	18,000	ALL	TANDEM
26	Counterweight Frame	42'	11'6"	7'10"	88,000	40,000	B,PB,S,F&W	36,32,28,20,20
27	40' Container of miscellaneous	40'	8'	9'	47,850	21,700	ALL	TRIDEM
28	40' Container of miscellaneous	40'	8'	9'	40,000	18,182	ALL	TANDEM
29	40' Container of miscellaneous	40'	8'	9'	40,000	18,182	ALL	TANDEM
30	4 Ballast CWT's (22,050 lbs each)	-	-	-	88,200	40,091	ALL	SUPER B
31	4 Ballast CWT's (22,050 lbs each)	-	-	-	88,200	40,091	ALL	SUPER B
32	2 Ballast & 2 Main (22,050 lbs each)	-	-	-	88,200	40,091	ALL	SUPER B
33	4 Main CWT's (22,050 lbs each)	-	-	-	88,200	40,091	ALL	SUPER B
34	4 Main CWT's (22,050 lbs each)	-	-	-	88,200	40,091	ALL	SUPER B
35	4 Main CWT's (22,050 lbs each)	-	-	-	88,200	40,091	ALL	SUPER B
36	4 Main CWT's (22,050 lbs each)	-	-	-	88,200	40,091	ALL	SUPER B
37	4 Main CWT's (22,050 lbs each)	-	-	-	88,200	40,091	ALL	SUPER B
38	4 Main CWT's (22,050 lbs each)	-	-	-	88,200	40,091	ALL	SUPER B
39	3-Ground Plates	14'	7'	3'5"	72,090	32,700	ALL	B TRAIN
40	3-Ground Plates	14'	7'	3'5"	71,210	32,300	ALL	B TRAIN
41	2-Ground Plates	14'	7'	3'5"	52,920	24,000	ALL	TRIDEN

7.) Hook Blocks

<i>Capacity [lb*1000]</i>	<i>Number of Hoist Lines</i>	<i>Weight [lb*1000]</i>
2 x 1378	2 x 20	86
1 x 1378	1 x 20	39
1 x 1102	2 x 8	39
1 x 772	1 x 11	32
1 x 221	1 x 3	17

* not part of delivery scope

The rated loads include the weight of hook block and lifting tackle and their weight shall be subtracted from the listed ratings.

8.) Max. permissible line pull and lengths of hoist lines

	<i>Permissible Line Pull [kN]</i>	<i>Hoist Line [ft]</i>
Hoist 1:	310	4626
Hoist 2:	310	4626
Hoist 3:	310	2297

9.) The safe load indicator shall be set in compliance with the DS-code no. stated on the duty charts. The max. required reeving is programmed in the SLI. Should it be chosen to reduce the reeving, the SLI shall be set accordingly.

10.) Wind speeds - dynamic wind pressures

also see instructions in the operating manual and supplements for increased permissible wind speeds

For the wind speeds of 21.9 mph (dynamic wind pressure 60 N/m²) taken into account in the duty charts, the wind area of the load is taken as 5.85 ft²/(1000 lb).

Correspondingly higher or lower wind speeds (dynamic wind pressures) are part of other wind areas of the loads; however, the following maximum permissible wind speeds and dynamic wind pressures must not be exceeded:

• **Main Boom Operation:**

<i>Length of Main Boom [ft]</i>	<i>Wind Speed [mph]</i>	<i>Dynamic Wind Pressure [N/m²]</i>
up to 118.1	33.6	140
137.8 up to 216.5	30.9	120
236.2 up to 275.6	25.3	80
exceeding 275.6	21.9	60