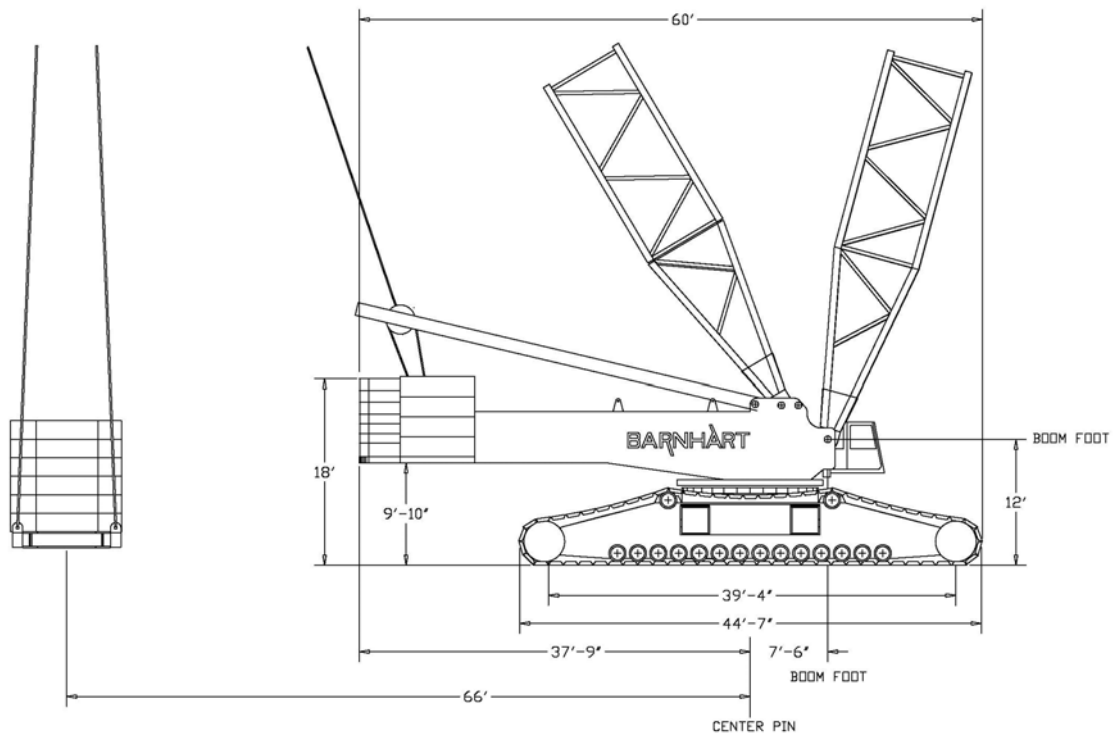
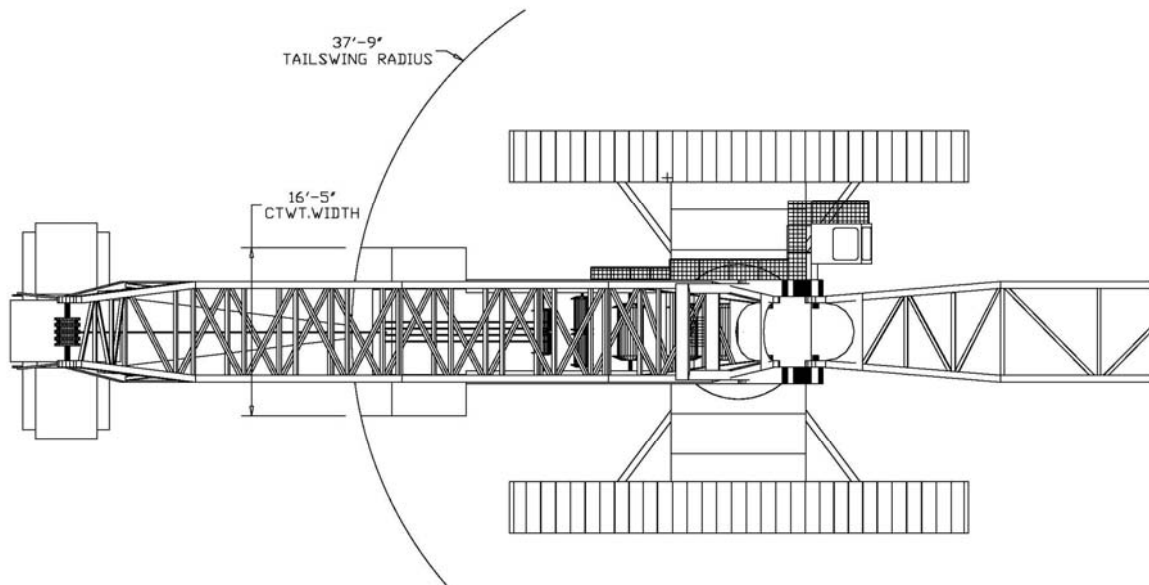
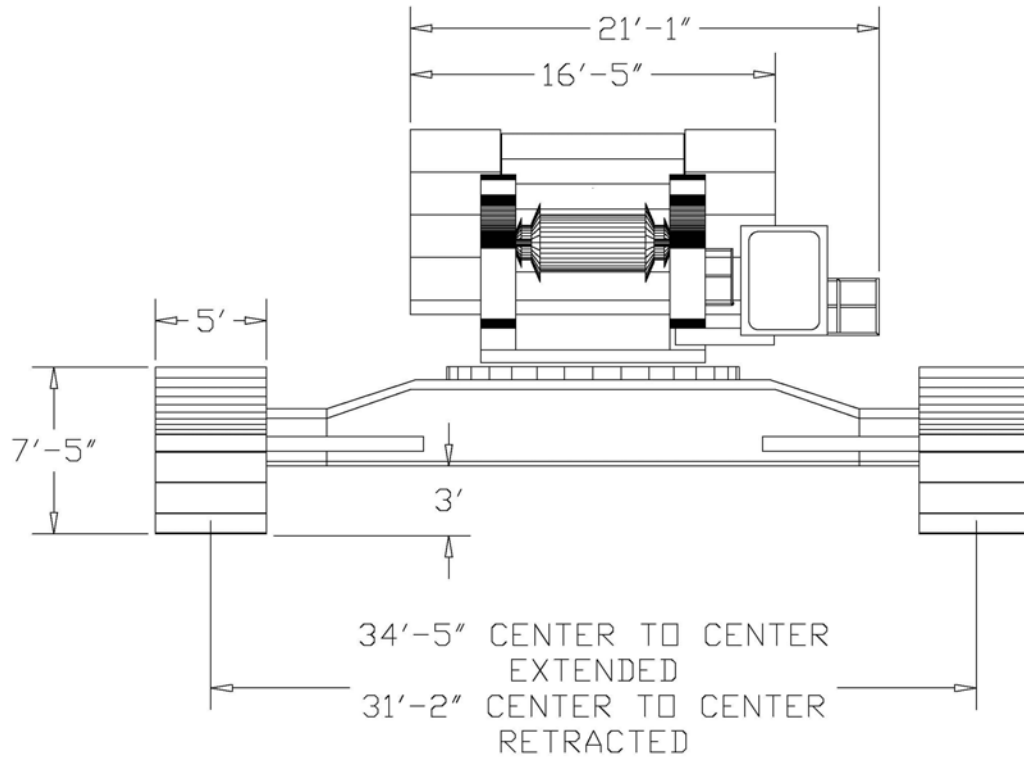


Demag CC4000

550T

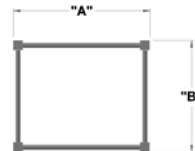




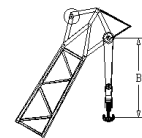
<b>Component Weights</b>	
Weight of counterweighted Machine with 59' (12m) boom	996,500 lbs
Superstructure only (with 4 drums, boom foot section and mast)	171,519 lbs
Carbody	113,538 lbs
Side frame (x two)	159,394 lbs
Basic Counterweight	309,000 lbs
Superlift Counterweight	606,000 lbs

<b>Cables</b>	<b>Line Pull</b>	<b>Diameter</b>
Main Hoist	35,000 lbs	30 mm
Aux Hoist	35,000 lbs	30 mm

<b>Boom</b>	<b>"A"</b>	<b>"B"</b>
Main	9'-9"	8'-9"
Luffer	7'-6"	5'-10"
Mast	7'-6"	5'-10"



<b>Hook-Block Capacity</b>	<b>Number of Sheaves</b>	<b>Weight</b>	<b>"B"</b>
550T	2 x 11	20,800 lbs	15'
330T	14	11,243 lbs	11'
122T	6	4,938 lbs	8'



## Symbols & Notes



**Crawler Crane**



**Truck Crane**



**Ring Mounted Crane**



**Main Counterweight**



**Main Boom**



**Main Boom with Luffing Jib**



**Tower Configuration**



**Superlift Attachment with Tray**

### General Use Notes

1. Capacity charts represent capacities for normal use. Additional load cases, special configurations and engineered lifts are available. Consult Barnhart engineering.
2. All cranes have wind speed restrictions available in the operating manual.
3. Capacities assume level and suitable ground conditions
4. Load block, rigging and other lifting devices are considered part of the lifted load.
5. Some long boom configurations require an assist crane for erection. Consult Barnhart.

# Demag CC4000



Load Radius (ft)	Lift Capacity (Tons)									
	Main Boom (ft)									
	59'	79'	98'	118'	138'	157'	177'	197'	217'	236'
19'	551	-	-	-	-	-	-	-	-	-
23'	551	551	-	-	-	-	-	-	-	-
26'	551	510	487	-	-	-	-	-	-	-
29'	486	475	467	471	470	-	-	-	-	-
33'	417	411	411	409	407	406	395	346	-	-
39'	343	341	338	337	335	334	332	327	294	256
46'	284	282	280	278	276	275	273	272	271	249
52'	248	246	243	242	240	239	237	236	234	231
59'	214	212	210	209	207	205	204	203	201	200
65'	-	184	182	181	179	179	178	177	176	175
72'	-	159	157	156	155	154	153	152	151	149
79'	-	-	138	137	135	134	133	132	131	130
85'	-	-	125	124	122	121	120	119	118	116
92'	-	-	112	111	109	108	107	106	105	103
98'	-	-	-	102	100	99	98	97	95	94
111'	-	-	-	-	84	83	82	80	79	78
124'	-	-	-	-	72	71	70	68	67	66
138'	-	-	-	-	-	62	59	58	57	56
151'	-	-	-	-	-	-	53	51	50	48
164'	-	-	-	-	-	-	-	45	43	42
177'	-	-	-	-	-	-	-	40	39	38
190'	-	-	-	-	-	-	-	-	34	33
203'	-	-	-	-	-	-	-	-	-	29

Load Radius (ft)	Lift Capacity (Tons)		
	Main Boom (ft)		
	256'	276'	295'
39'	221	-	-
46'	219	194	168
52'	218	192	167
49'	199	190	163
65'	173	173	160
72'	148	148	147
79'	128	128	127
85'	115	114	114
92'	102	101	100
98'	93	92	91
111'	77	77	76
124'	65	65	63
138'	55	54	53
151'	47	46	45
164'	41	40	39
177'	35	34	33
190'	31	30	29
203'	28	27	24
216'	24	23	21
229'	21	20	19
243'	-	18	15
256'	-	-	13

# Demag CC4000



31'



137 Tons



Load Radius (ft)	Lift Capacity								
	Main Boom (ft)								
	59'	79'	98'	118'	138'	157'	177'	197'	217'
19'	556.5	-	-	-	-	-	-	-	-
23'	523.0	523.0	-	-	-	-	-	-	-
26'	498.0	498.0	488.5	-	-	-	-	-	-
29'	446.0	445.0	441.5	439.0	438.0	-	-	-	-
33'	383.5	382.5	380.0	378.0	377.0	375.5	374.5	344.5	-
39'	317.0	315.0	313.5	311.5	310.5	308.0	307.0	304.5	295.5
46'	251.5	250.5	249.5	248.5	247.5	246.0	245.0	244.0	244.0
52'	209.5	208.5	206.0	205.0	204.0	206.0	203.0	201.5	200.5
59'	174.0	172.0	171.0	168.5	167.5	166.5	166.5	165.5	164.5
65'	-	150.5	148.5	147.5	146.5	144.0	144.0	143.0	142.0
72'	-	130.5	128.0	127.0	126.0	125.0	123.5	122.5	121.5
79'	-	-	113.0	111.5	109.5	108.5	108.5	106.0	106.0
85'	-	-	101.5	100.5	99.5	97.5	97.5	96.0	95.0
92'	-	-	92.0	90.0	89.0	88.0	86.5	85.5	84.5
98'	-	-	-	83.0	81.0	79.5	78.5	77.5	76.5
111'	-	-	-	-	68.5	66.5	65.5	64.0	63.0
124'	-	-	-	-	58.5	56.5	55.5	54.5	53.0
138'	-	-	-	-	-	49.5	47.0	46.0	45.0
151'	-	-	-	-	-	-	41.5	39.5	39.5
164'	-	-	-	-	-	-	-	35.0	34.0
177'	-	-	-	-	-	-	-	30.5	29.5
190'	-	-	-	-	-	-	-	-	26.5

Load Radius (ft)	Lift Capacity (Tons)			
	Main Boom (ft)			
	236'	256'	276'	295'
39'	256.0	220.5	-	-
46'	243.0	219.0	193.5	167.5
52'	199.5	197.5	191.5	166.5
59'	163.0	163.0	162.0	160.5
65'	141.0	140.0	140.0	138.5
72'	120.5	119.5	119.5	118.0
79'	105.0	104.0	103.0	102.0
85'	94.0	93.0	92.0	90.5
92'	83.5	82.0	81.0	80.0
98'	75.5	74.0	74.0	73.0
111'	62.0	61.0	61.0	60.0
124'	52.0	51.0	50.0	49.0
138'	43.5	42.5	41.5	40.5
151'	37.0	36.0	35.0	34.0
164'	31.5	30.5	29.5	28.5
177'	27.5	26.5	25.0	24.0
190'	24.0	23.0	22.0	19.5
203'	21.0	19.5	18.5	16.5
216'	-	16.5	15.5	14.0
229'	-	14.0	13.0	11.0
243'	-	-	10.5	9.5

# Demag CC4000



34'



165 Tons



88'

Main Boom (ft)	Lift Radius (ft)	79'	98'	118'	138'	157'	177'	197'	217'	236'
98'	39'	242.5	-	-	-	-	-	-	-	-
	46'	235.5	198.0	-	-	-	-	-	-	-
	52'	228.5	195.0	163.0	-	-	-	-	-	-
	59'	209.5	190.5	159.5	136.5	112.0	-	-	-	-
	65'	184.0	185.5	156.5	134.5	112.0	90.5	-	-	-
	72'	161.5	171.0	151.0	132.0	111.0	88.5	77.0	-	-
	79'	133.5	151.0	144.0	129.5	109.5	86.5	75.0	66.0	56.0
	85'	113.0	134.0	134.5	125.5	108.0	84.5	73.5	65.0	55.5
	92'	-	116.5	122.0	119.5	105.5	82.5	72.0	63.5	54.5
	98'	-	103.0	111.0	111.5	103.5	80.5	70.5	62.5	53.5
	111'	-	-	91.0	95.0	94.0	75.0	67.0	60.0	51.0
	124'	-	-	75.0	79.0	82.0	69.5	60.5	56.5	49.0
	138'	-	-	-	63.5	68.5	62.5	52.5	52.0	46.0
	151'	-	-	-	-	57.0	56.0	46.0	45.0	42.5
	164'	-	-	-	-	48.5	49.5	40.5	39.5	39.0
	177'	-	-	-	-	-	44.0	36.0	35.0	35.0
190'	-	-	-	-	-	-	33.0	32.0	30.5	
203'	-	-	-	-	-	-	-	28.5	27.5	
216'	-	-	-	-	-	-	-	26.5	25.0	
229'	-	-	-	-	-	-	-	-	23.5	
138'	39'	-	-	-	-	-	-	-	-	-
	46'	192.5	174.0	-	-	-	-	-	-	-
	52'	192.5	173.0	147.5	-	-	-	-	-	-
	59'	190.5	170.5	146.5	124.5	-	-	-	-	-
	65'	182.5	167.5	144.5	123.5	98.5	80.0	-	-	-
	72'	161.5	160.0	142.0	122.0	98.0	80.0	72.5	-	-
	79'	133.5	147.0	138.5	121.0	97.5	79.5	71.5	60.5	-
	85'	113.0	131.5	131.5	120.0	97.0	79.0	71.0	60.0	52.0
	92'	-	115.0	121.0	116.5	96.0	78.5	69.5	59.5	51.5
	98'	-	102.5	110.5	111.5	95.5	78.0	69.0	59.0	50.5
	111'	-	-	91.0	95.0	91.5	75.0	67.0	58.0	49.5
	124'	-	-	74.5	78.5	82.0	69.5	60.5	56.0	48.0
	138'	-	-	-	63.5	68.5	62.5	52.5	51.5	46.0
	151'	-	-	-	57.0	57.0	56.0	46.0	45.0	42.5
	164'	-	-	-	-	49.5	49.5	40.5	39.5	38.5
	177'	-	-	-	-	-	44.0	36.0	35.0	35.0
190'	-	-	-	-	-	-	33.0	32.0	30.5	
203'	-	-	-	-	-	-	-	28.5	27.5	
216'	-	-	-	-	-	-	-	26.5	25.0	
229'	-	-	-	-	-	-	-	-	23.5	



# Demag CC4000



34'



165 Tons



88°

Main Boom (ft)	Lift Radius (ft)	79'	98'	118'	138'	157'	177'	197'	217'	236'
177'	46'	158.5	141.0							
	52'	158.5	141.0	129.0						
	59'	158.5	141.0	126.5	108.0	-	-	-	-	-
	65'	156.5	139.0	125.5	107.5	90.0	-	-	-	-
	72'	150.0	135.5	122.0	106.0	89.5	75.5	63.5	-	-
	79'	130.0	129.5	118.5	104.5	89.0	74.5	63.5	55.0	-
	85'	111.0	123.5	114.5	103.0	88.0	74.0	63.5	55.0	46.0
	92'	94.0	114.0	109.5	99.0	87.0	73.5	63.5	55.0	46.0
	98'	-	101.0	105.5	95.0	86.0	73.0	63.5	55.0	46.0
	111'	-	-	89.5	87.0	81.0	71.5	62.5	55.0	46.0
	124'	-	-	73.5	77.5	75.0	67.0	60.0	54.5	46.0
	138'	-	-	-	63.5	67.0	62.5	52.5	51.5	45.5
	151'	-	-	-	-	57.0	56.0	46.0	45.0	42.5
	164'	-	-	-	-	48.5	49.5	40.5	39.5	38.5
	177'	-	-	-	-	-	44.0	36.0	35.0	35.0
	190'	-	-	-	-	-	-	33.0	32.0	30.5
	203'	-	-	-	-	-	-	29.5	28.5	27.5
216'	-	-	-	-	-	-	-	26.5	25.0	
229'	-	-	-	-	-	-	-	-	23.5	
217'	46'	141.0	-	-	-	-	-	-	-	-
	52'	141.0	123.0	109.0	-	-	-	-	-	-
	59'	141.0	123.0	108.0	91.0	-	-	-	-	-
	65'	138.0	122.0	106.5	90.5	78.0	-	-	-	-
	72'	132.0	120.0	104.5	90.0	77.5	67.5	-	-	-
	79'	121.5	113.0	101.5	88.5	77.0	67.0	57.0	50.5	-
	85'	109.5	106.5	98.0	87.0	76.5	67.0	57.0	50.5	43.5
	92'	-	97.5	93.5	84.5	75.0	66.0	57.0	50.0	43.5
	98'	-	89.5	88.5	82.0	73.5	65.5	57.0	50.0	43.5
	111'	-	-	76.5	74.0	70.5	64.0	56.0	49.5	43.0
	124'	-	-	64.5	64.0	64.0	61.0	54.5	49.0	42.0
	138'	-	-	-	55.0	56.0	55.0	50.5	46.5	42.0
	151'	-	-	-	49.0	49.5	48.0	45.5	43.5	40.5
	164'	-	-	-	-	44.0	43.0	40.5	39.5	38.5
	177'	-	-	-	-	-	38.5	35.5	35.0	35.0
	190'	-	-	-	-	-	-	33.0	32.0	30.5
	203'	-	-	-	-	-	-	29.5	28.5	27.5
216'	-	-	-	-	-	-	-	26.5	25.0	
229'	-	-	-	-	-	-	-	-	23.5	
243'	-	-	-	-	-	-	-	-	22.0	

# Demag CC4000



34'



165 Tons



88°

Main Boom (ft)	Lift Radius (ft)	118'	138'	157'	177'	197'	217'	236'	256'	276'
256'	59'	91.5	77.0	-	-	-	-	-	-	-
	65'	89.5	76.5	66.0	-	-	-	-	-	-
	72'	88.5	76.0	66.0	57.0	-	-	-	-	-
	79'	86.5	74.5	65.5	57.0	50.5	-	-	-	-
	85'	84.5	74.0	65.0	56.5	50.0	44.5	36.5	-	-
	92'	82.5	72.5	65.0	56.5	50.0	44.0	36.5	29.5	-
	98'	80.5	71.0	64.5	56.0	49.5	44.0	36.5	29.5	24.0
	111'	70.5	67.5	61.0	55.0	48.5	43.0	36.0	29.0	24.0
	124'	64.0	63.5	57.5	53.0	47.0	41.5	35.5	29.0	24.0
	138'	-	55.0	53.5	50.0	45.0	40.5	35.0	28.5	24.0
	151'	-	49.0	49.5	47.5	42.5	39.5	34.5	28.5	24.0
	164'	-	-	44.0	43.0	40.5	38.0	33.5	28.5	24.0
	177'	-	-	-	38.5	35.5	35.0	32.5	27.5	23.0
	190'	-	-	-	-	33.0	32.0	30.5	27.0	23.0
	203'	-	-	-	-	29.5	28.5	27.5	24.5	22.0
	216'	-	-	-	-	-	26.5	25.0	23.0	20.5
	229'	-	-	-	-	-	-	23.5	21.5	19.5
	243'	-	-	-	-	-	-	22.0	20.0	18.5
256'	-	-	-	-	-	-	-	18.5	17.0	
269'	-	-	-	-	-	-	-	-	15.0	

# Demag CC4000



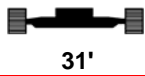
Main Boom (ft)	Lift Radius (ft)	Lift Capacity (Tons)						
		Superlift Ballast (Tons)						
		0	55	110	166	221	276	303
138'	29'	471.0	550.0	-	-	-	-	-
	33'	407.5	492.5	550.0	-	-	-	-
	39'	335.0	416.5	480.0	544.5	550.0	-	-
	46'	277.0	345.5	406.0	461.0	516.0	550.0	-
	52'	240.0	299.0	358.5	407.5	456.5	504.0	529.0
	59'	204.0	257.0	310.0	357.5	400.5	444.5	465.5
	65'	176.5	229.5	276.5	321.0	362.0	402.0	422.0
	72'	154.5	203.0	245.5	283.0	320.5	357.0	375.5
	79'	136.5	181.5	220.0	253.0	287.5	320.5	338.0
	85'	121.0	165.0	199.5	230.0	261.0	292.0	307.5
	92'	107.5	150.5	181.5	210.0	237.5	266.0	280.5
	98'	97.5	139.5	167.0	194.0	220.5	247.0	260.0
	111'	80.0	118.5	143.0	166.5	189.5	213.0	222.0
124'	67.5	102.0	124.0	145.0	165.0	186.5	193.0	
157'	33'	406.5	474.0	550.0	-	-	-	-
	39'	332.0	409.5	474.0	537.5	550.0	-	-
	46'	275.0	339.0	399.5	454.5	509.5	550.0	-
	52'	238.5	293.5	352.0	401.0	450.0	498.0	522.5
	59'	204.0	250.5	303.5	350.5	393.5	437.0	459.0
	65'	176.5	223.0	271.5	315.5	355.5	395.5	415.5
	72'	154.5	196.5	238.5	279.5	316.0	352.5	371.5
	79'	136.5	175.0	214.5	250.0	285.0	318.0	334.5
	85'	121.0	158.5	194.0	227.0	260.0	291.0	306.5
	92'	107.5	144.0	176.0	206.5	236.5	265.0	279.5
	98'	97.5	133.0	162.5	190.5	219.0	246.0	260.0
	111'	80.0	112.0	138.5	163.0	188.5	211.5	222.0
	124'	66.5	95.5	120.0	142.0	164.0	185.0	193.0
138'	57.0	81.0	104.5	123.0	144.0	161.5	170.5	
177'	33'	405.0	462.5	-	-	-	-	-
	39'	330.5	404.5	464.0	-	-	-	-
	46'	274.0	336.5	397.0	450.0	-	-	-
	52'	237.5	291.0	349.0	398.5	443.5	462.5	-
	59'	204.0	248.0	301.0	347.5	388.0	431.0	453.0
	65'	173.5	221.0	268.5	314.0	350.0	390.0	410.0
	72'	152.5	193.5	236.5	279.5	312.5	349.0	367.0
	79'	135.0	174.0	212.5	250.0	283.0	316.0	332.5
	85'	119.0	156.5	191.5	226.0	259.0	289.5	306.5
	92'	104.5	141.5	174.5	204.5	236.5	265.0	280.5
	98'	95.0	130.5	160.5	189.5	218.0	246.0	260.0
	111'	77.5	111.0	136.5	161.0	187.5	210.5	222.0
	124'	64.5	93.5	117.5	139.5	163.0	184.0	193.0
	138'	53.5	79.0	102.0	121.0	143.0	160.5	170.5
151'	46.0	68.0	90.0	107.5	126.5	144.0	152.0	
164'	39.5	59.5	80.5	98.0	114.5	130.0	136.5	

# Demag CC4000



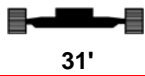
		Lift Capacity (Tons)						
		Superlift Ballast (Tons)						
Main Boom (ft)	Lift Radius (ft)	0	55	110	166	221	276	303
217'	46'	266.0	336.5	396.0	422.5	-	-	-
	52'	227.0	290.0	348.5	395.5	422.5	-	-
	59'	196.0	248.0	300.0	347.5	388.0	422.5	-
	65'	173.0	220.0	267.5	313.0	350.0	391.0	411.5
	72'	148.0	193.5	236.5	278.5	312.5	351.5	369.0
	79'	131.0	172.5	211.5	250.0	284.0	318.0	334.5
	85'	116.5	155.0	191.5	226.0	256.5	288.5	304.0
	92'	102.0	140.5	173.5	204.5	233.0	263.0	277.0
	98'	91.0	129.5	160.5	188.5	216.0	242.5	256.0
	111'	75.5	109.5	136.0	160.5	184.0	207.5	219.5
	124'	60.0	93.0	117.5	138.5	159.5	181.0	191.0
	138'	49.0	78.0	102.0	119.5	138.5	157.0	166.0
	151'	39.5	67.0	89.0	106.5	123.0	139.5	148.5
	164'	34.0	58.0	79.0	94.5	110.0	125.5	133.0
177'	27.5	51.5	70.5	85.0	99.0	113.5	120.0	
190'	24.0	45.0	64.0	77.0	90.5	103.5	110.0	

# Demag CC4000



Main Boom (ft)	Lift Radius (ft)	Lift Capacity (Tons)					
		Superlift Ballast (Tons)					
		0	55	110	166	221	276
98' (16m SSL)	26'	485.0	-	-	-	-	-
	29'	441.5	-	-	-	-	-
	33'	371.5	446.5	510.0	550.0	-	-
	39'	279.0	380.0	433.5	485.5	539.5	-
	46'	209.0	305.5	367.5	413.5	460.0	505.0
	52'	171.5	252.0	326.0	366.5	407.5	448.5
	59'	141.0	207.5	274.5	323.0	359.5	395.0
	65'	122.0	181.0	239.5	293.0	326.0	359.5
	72'	105.0	156.0	208.0	258.5	294.0	323.5
	79'	92.0	137.0	183.0	228.0	268.0	290.5
	85'	83.0	125.0	166.0	208.0	248.5	260.5
	92'	74.5	112.0	149.5	188.0	214.0	-
138'	29'	430.0	-	-	-	-	-
	33'	371.5	443.0	505.5	550.0	-	-
	39'	278.0	376.5	430.0	482.5	533.0	-
	46'	206.5	303.5	364.0	410.5	456.5	502.0
	52'	169.5	250.0	323.0	363.0	404.0	445.5
	59'	139.0	205.0	272.5	320.0	356.0	391.5
	65'	119.5	179.0	237.0	289.5	323.0	356.0
	72'	102.5	153.5	204.5	256.5	290.5	320.5
	79'	88.5	135.0	180.0	226.0	263.5	291.0
	85'	79.5	121.5	162.5	205.0	244.5	270.0
	92'	71.5	108.5	146.0	184.5	222.0	248.5
	98'	65.0	99.5	135.0	169.5	205.0	233.5
	111'	54.0	84.0	114.0	144.0	175.0	204.0
	124'	46.5	73.0	98.5	125.5	152.0	178.5
177'	33'	373.5	-	-	-	-	-
	39'	276.0	381.5	430.0	-	-	-
	46'	205.5	313.5	373.0	424.5	-	-
	52'	167.0	258.0	329.5	376.5	420.0	-
	59'	136.5	212.0	282.5	329.5	370.5	408.0
	65'	117.5	183.5	246.0	299.5	336.0	376.5
	72'	99.5	157.0	212.0	268.5	302.5	335.0
	79'	86.5	137.0	186.5	236.0	274.5	304.0
	85'	77.5	124.0	168.0	213.5	254.5	283.0
	92'	68.0	111.0	150.5	192.5	233.0	260.5
	98'	62.0	101.0	138.5	176.0	215.0	243.5
	111'	51.0	84.0	117.5	149.5	183.0	212.5
	124'	43.0	72.0	101.0	129.5	158.5	187.5
138'	36.0	62.5	88.0	113.0	138.5	163.5	
151'	30.5	55.0	78.0	101.0	124.0	147.5	

# Demag CC4000



		Lift Capacity (Tons)					
		Superlift Ballast (Tons)					
Main Boom (ft)	Lift Radius (ft)	0	55	110	166	221	276
197'	33'	343.5	-	-	-	-	-
	39'	274.0	-	-	-	-	-
	46'	205.5	310.0	364.0	-	-	-
	52'	167.0	257.5	317.5	354.0	-	-
	59'	136.5	212.0	282.0	329.5	-	-
	65'	117.5	183.5	246.0	297.5	330.5	-
	72'	99.5	157.0	212.0	268.5	295.0	322.5
	79'	86.5	137.0	186.5	236.0	274.5	297.5
	85'	77.5	124.0	168.0	213.5	254.5	276.5
	92'	68.0	111.0	150.5	192.5	233.0	259.5
	98'	62.0	101.0	138.5	176.0	215.0	242.5
	111'	51.0	84.0	117.5	149.5	183.0	211.5
	124'	43.0	72.0	101.0	129.5	158.5	187.5
	138'	36.0	62.5	88.0	113.0	138.5	163.5
	151'	30.5	55.0	78.0	101.0	124.5	147.5
164'	27.5	49.5	71.5	93.5	115.5	132.0	
177'	25.0	46.0	67.0	89.0	108.0	119.0	