

DEMAG

150 Ton

Chart

Capacities on Main Boom
Telescopes pinned

150 Ton - Main Boom

85%

360°

Capacity (lb x 1000) = Load + Hook Block

Radius (ft)	Main Boom (ft)				Counterweight Outrigger Base				70530 lb 23'4" x 23'	
	41.0	55.1	68.9	68.9	82.7	82.7	96.8	96.8	110.6	
8	300*	-	-	-	-	-	-	-	-	-
10	220*	-	-	-	-	-	-	-	-	-
10	187.1	-	-	-	-	-	-	-	-	-
11	178.6	171.4	163.9	119.8	-	-	-	-	-	-
13	163.3	156.9	151.3	111.2	117.2	103.5	-	-	-	-
15	150.3	144.6	139.3	103.6	110.3	97.1	-	-	-	-
16	144.5	139.3	134.0	100.1	106.9	94.2	92.5	66.3	-	-
19	128.4	125.0	120.1	91.4	97.9	86.0	88.0	64.9	76.1	
23	110.5	109.6	105.2	81.5	87.4	77.3	80.6	59.0	68.0	
26	98.4	99.5	96.2	75.2	81.0	71.6	75.5	54.8	63.0	
29	84.1	88.5	87.1	69.9	75.2	66.0	71.1	51.1	58.5	
33	-	76.0	74.9	63.9	68.5	59.7	65.8	46.7	53.1	
39	-	62.1	61.0	56.4	60.2	52.2	57.8	41.7	46.4	
46	-	-	48.6	49.7	48.8	45.3	50.3	36.7	40.5	
52	-	-	40.1	42.4	40.3	40.5	42.3	33.5	36.0	
59	-	-	-	-	32.9	35.7	34.6	30.2	31.7	
65	-	-	-	-	28.2	31.1	29.8	28.0	28.7	
72	-	-	-	-	-	-	25.4	25.6	24.1	
79	-	-	-	-	-	-	21.9	23.5	21.0	
85	-	-	-	-	-	-	19.5	21.4	18.0	
92	-	-	-	-	-	-	-	-	16.0	
98	-	-	-	-	-	-	-	-	14.0	
UB:	-	72.7	68.3	72.7	68.3	72.7	68.3	65.7	62.0	
HE:	14*/12	11	11	8	8	7	6	5	5	
LK:	1	2	3	4	5	6	7	8	9	
DS:					000011					
T1[%]	0	0	45	0	45	0	45	0	90	
T2[%]	0	45	45	45	90	45	45	45	45	
T3[%]	0	0	0	45	0	90	90	90	90	
T4[%]	0	0	0	0	0	0	0	45	0	

UB = maximum capacity (lb x 1000) for unpinned operating mode

HE = no. of hoist lines

LK = length code for sequence of extended boom

DS = selecting operating mode

T = extending length telescope

*over rear

AC 100 Capacities on Main Boom Telescopes pinned **150 Ton - Main Boom** 85%

Capacity (lb x 1000) = Load + Hook Block

Radius (ft)	Main Boom (ft)					Counterweight Outrigger Base		70530 lb 23'4" x 23'	
	110.6	124.7	124.7	133.9	138.5	138.5	147.6	152.2	164.7
19	44.0	-	-	-	-	-	-	-	-
23	44.0	60.5	39.6	-	-	-	-	-	-
26	44.0	56.5	39.6	35.2	46.3	37.4	-	-	-
29	42.0	52.7	39.6	35.2	45.3	37.4	28.6	34.0	28.8
33	38.9	48.3	39.1	35.1	43.5	37.4	28.6	33.2	27.5
39	35.0	42.6	35.2	31.7	40.1	35.8	28.6	32.0	26.5
46	31.2	37.2	31.4	27.9	35.6	32.3	27.0	30.6	25.3
52	28.8	33.3	28.4	25.5	32.0	29.9	25.0	29.2	24.3
59	26.2	29.5	25.3	22.9	28.6	27.1	22.9	26.6	23.1
65	24.4	26.7	23.3	21.1	26.2	24.9	21.1	24.4	22.1
72	22.7	24.0	21.2	19.2	23.6	22.7	19.2	22.3	20.3
79	21.1	21.0	19.3	17.8	21.5	20.8	17.5	20.2	18.6
85	19.9	18.6	17.9	16.5	19.5	19.4	16.3	18.8	17.2
92	18.2	16.0	16.5	15.1	17.1	18.0	15.1	17.1	15.8
98	17.0	14.0	15.2	14.1	15.1	16.6	14.1	15.9	14.8
105	-	12.3	14.1	13.2	13.2	14.7	13.0	13.8	13.6
111	-	10.9	13.3	12.4	11.8	13.3	12.1	12.4	11.2
118	-	-	-	11.4	10.3	11.9	11.4	11.0	10.0
124	-	-	-	-	9.1	10.7	10.6	9.8	8.8
131	-	-	-	-	-	-	9.7	8.8	7.9
138	-	-	-	-	-	-	-	7.6	7.1
144	-	-	-	-	-	-	-	-	6.1
151	-	-	-	-	-	-	-	-	-
UB:	44.0	50.0	39.6	35.2	43.0	37.4	28.6	34.0	28.6
HE:	3	4	3	3	3	3	2	3	2
LK:	10	11	12	13	14	15	16	17	18
DS:	000011								
T1[%]	0	90	0	0	90	45	45	90	100
T2[%]	90	90	90	100	90	90	100	90	100
T3[%]	45	90	90	100	90	90	100	90	100
T4[%]	90	0	90	100	45	90	100	90	100

UB = maximum capacity (lb x 1000) for unpinned operating mode
 HE = no. of hoist lines
 LK = length code for sequence of extended boom
 DS = selecting operating mode
 T = extending length telescope

150 Ton - with 2 Jibs

85%

AC 100 Capacities on Main Boom Extension

360°

Capacity (lb x 1000) = Load + Hook Block

Main Boom Extension 55.8

Counterweight
Outrigger Base

70530 lb
23'4" x 23"

Pos. 20°

Radius (ft)	Main Boom (ft)		Pos. 20°					
	124.7	124.7	133.9	138.5	138.5	147.6	152.2	164.7
46	10.5	9.9	-	-	-	-	-	-
52	10.1	9.5	9.5	9.9	9.7	9.5	-	-
59	9.4	9.0	9.0	9.4	9.2	9.0	9.0	9.0
65	9.0	8.6	8.6	9.0	8.8	8.6	8.8	8.6
72	8.6	8.1	8.1	8.6	8.6	8.3	8.3	8.3
79	8.1	7.7	7.7	8.1	8.1	7.9	7.9	7.9
85	7.9	7.5	7.5	7.9	7.7	7.5	7.7	7.5
92	7.4	7.0	7.0	7.4	7.4	7.2	7.2	7.2
98	7.2	6.8	6.6	7.2	7.0	6.8	7.0	6.8
105	7.0	6.3	6.3	7.0	6.8	6.6	6.6	6.6
111	6.8	6.1	5.9	6.8	6.6	6.2	6.4	6.4
118	6.8	5.9	5.7	6.8	6.3	5.9	6.1	6.1
124	6.6	5.7	5.5	6.8	6.1	5.7	5.9	5.9
131	6.6	5.3	5.2	6.8	5.9	5.5	5.7	5.7
138	6.3	5.0	5.0	6.8	5.7	5.0	5.7	5.5
144	6.1	4.8	4.8	6.8	5.5	5.0	5.5	5.3
151	6.1	4.6	4.6	6.6	5.2	4.8	5.5	5.0
157	5.5	4.6	4.6	5.7	5.0	4.6	5.3	5.0
164	4.6	4.4	4.4	5.0	4.8	4.4	5.0	4.8
170	-	-	4.4	4.4	4.8	4.4	4.6	4.6
177	-	-	-	-	-	4.1	3.9	3.9
184	-	-	-	-	-	4.1	3.5	3.2
HE:	2	2	2	2	2	2	2	2
LK:	11	12	13	14	15	16	17	18
DS:	000088							
T1[%]	90	0	0	90	45	45	90	100
T2[%]	90	90	100	90	90	100	90	100
T3[%]	90	90	100	90	90	100	90	100
T4[%]	0	90	100	45	90	100	90	100

HE = no. of hoist lines

LK = length code for sequence of extended boom

DS = selecting operating mode

T = extending length telescope