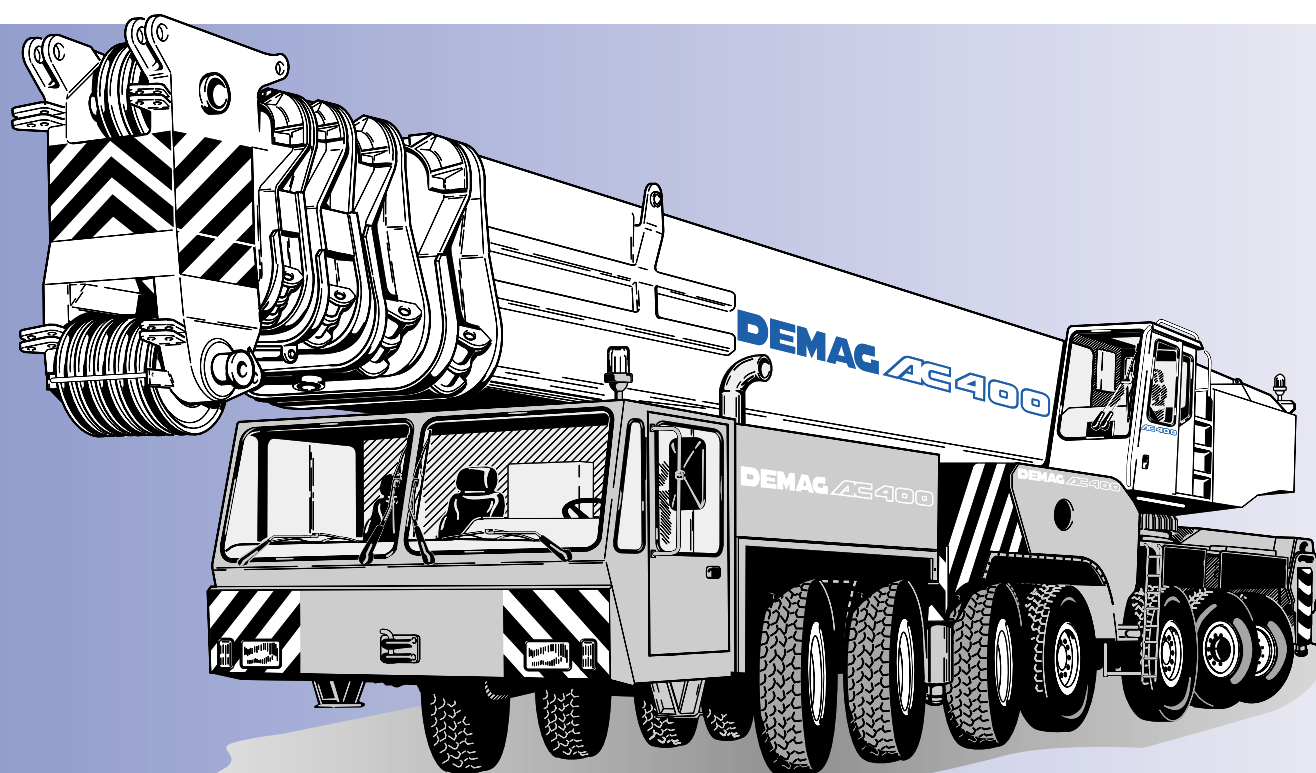




- Dimensions
- Specifications
- Working ranges main boom
- Working ranges main boom extension
- Working ranges fixed fly jib
- Technical description

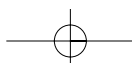


Demag AC 400



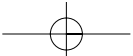
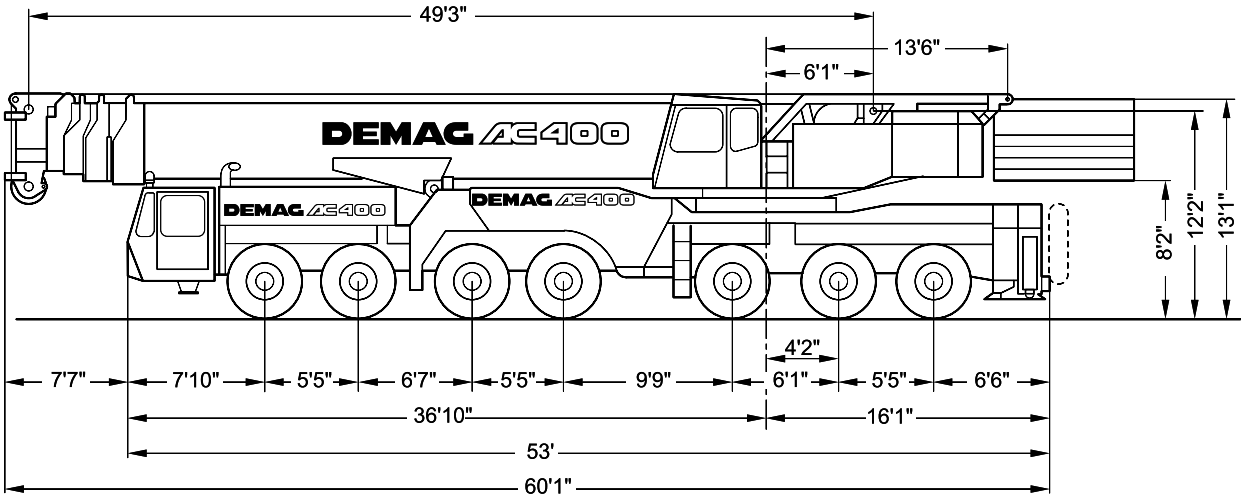
500t

[MAIN MENU](#)



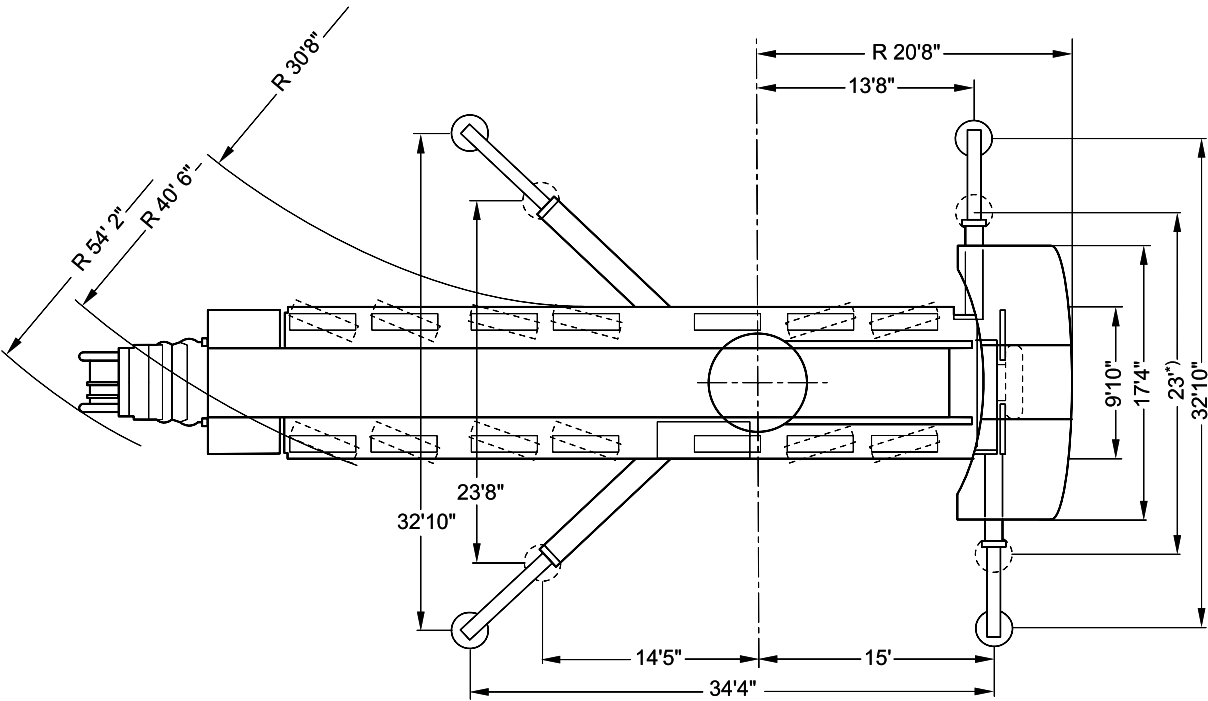


Dimensions

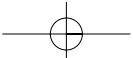




Dimensions



*) Duties with reduced outrigger base on request





Specifications



Axle loads and weights

Crane with main boom, outriggers and hook block	
Axles	7 x 26,400 lb
Total weight	184,800 lb

Working speeds (infinitely variable)

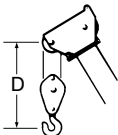
Units	Line speed	Max. permissible line pull ¹⁾	Length of hoist rope
Main hoist	max. 525 ft/min	110 kN	1542 ft
Secondary hoist	max. 525 ft/min	110 kN	1378 ft
Swing			max. 1,0 rpm
Telescoping speed			49 – 113 ft: 110 s 49 – 190 ft: 330 s
Boom elevation			-0,5° – +82°: 95 s

Carrier performance

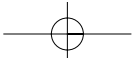
Travel speeds	0..40 mph
---------------	-----------

Hook block/Single line hook

Type	Possible load	Number of sheaves	Number of lines	Weight	"D"
2 x 250 **)	880,000 lb	2 x 11	2 x 22	17,600 lb	14' 9"
2 x 250 **)	770,000 lb	2 x 11	2 x 17	17,600 lb	14' 9"
250 *)	506,000 lb	11	23	7,040 lb	9' 10"
160	323,400 lb	7	14	5,060 lb	9' 10"
125	257,000 lb	5	11	3,960 lb	9' 10"
80	167,200 lb	3	7	2,860 lb	9' 10"
40	72,600 lb	1	3	1,760 lb	8' 10"
12,5	24,200 lb	Crane hook	1	1,100 lb	6' 7"

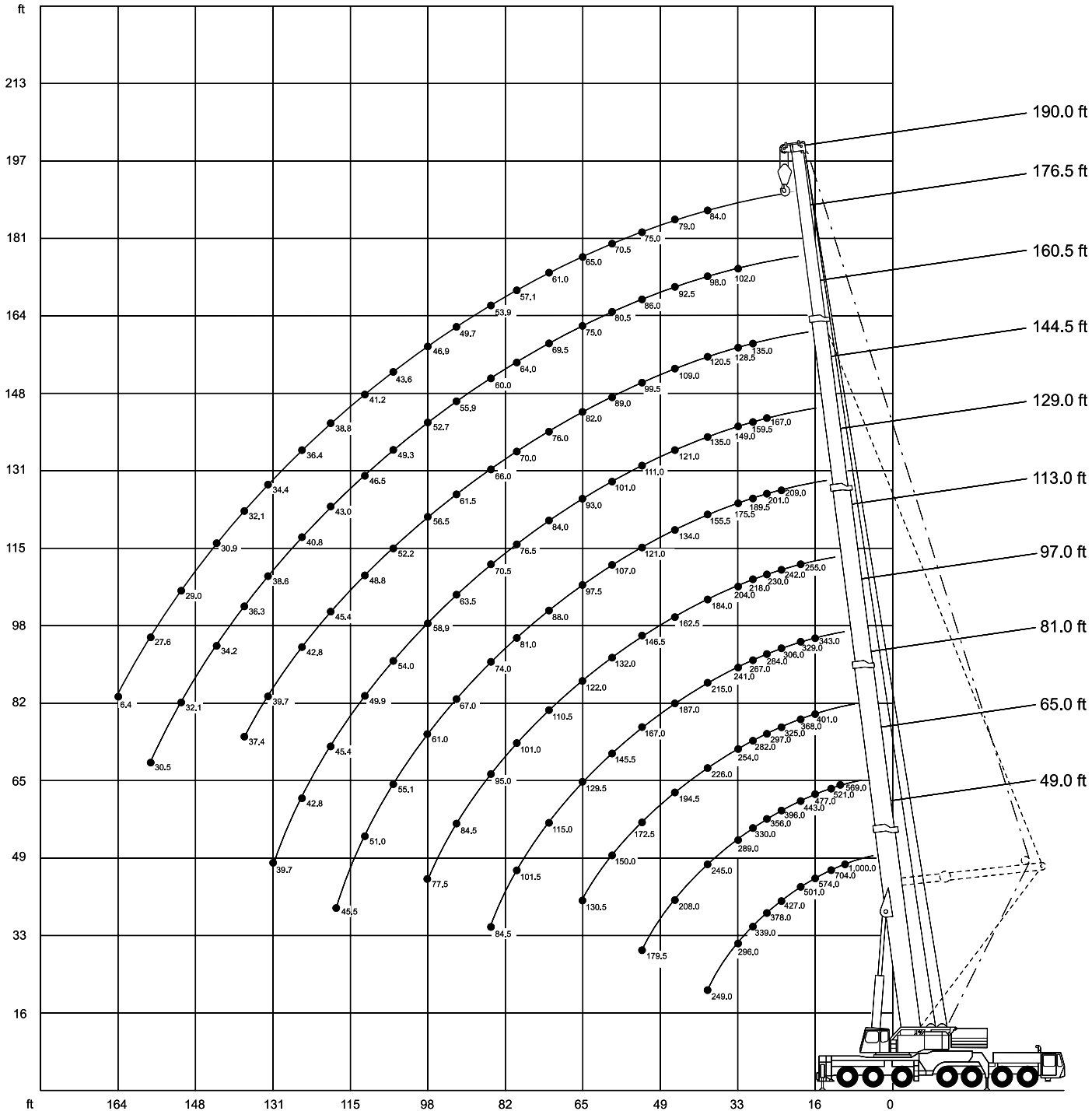


*) 5 add. sheaves
**) 5 add. sheaves, with bridle



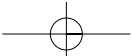


Working ranges main boom



[MAIN MENU](#)

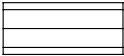
[CONTENTS](#)





Lifting capacities main boom with Superlift in 1,000 lb

269,000 lb

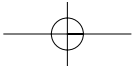


360°

85%

Radius	Main boom					
	113.0 ft	129.0 ft	144.5 ft	160.5 ft	176.5 ft	190.0 ft
	1,000 lb					
23	286.0	231.0	–	–	–	–
26	282.0	223.0	173.0	–	–	–
29	271.0	215.0	169.0	142.5	–	–
33	257.0	204.0	165.0	138.5	119.0	–
39	232.0	191.5	155.5	132.5	119.0	83.5
46	200.0	177.0	147.5	126.5	114.5	83.5
52	178.0	166.0	140.5	121.5	110.5	81.5
59	156.5	154.0	132.0	115.5	105.5	80.0
65	138.5	143.0	126.0	110.5	101.5	79.0
72	122.5	127.0	118.0	105.5	97.0	78.0
79	108.5	114.0	111.0	100.0	92.0	77.0
85	97.5	104.0	103.5	96.0	88.0	77.0
92	84.5	91.0	91.0	91.0	84.5	76.0
98	69.0	82.0	83.0	85.0	80.5	75.0
105	–	74.5	74.5	76.0	77.0	72.5
111	–	64.5	67.5	70.0	72.0	69.5
118	–	47.0	62.0	63.5	65.5	66.0
124	–	–	55.6	58.7	60.5	61.0
131	–	–	43.2	53.3	55.7	55.9
138	–	–	–	48.8	50.8	51.2
144	–	–	–	–	47.3	47.6
151	–	–	–	–	43.3	43.6
157	–	–	–	–	37.9	40.7
164	–	–	–	–	28.0	37.2
170	–	–	–	–	–	32.6
177	–	–	–	–	–	24.0

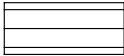
Boom extension sequence						%
Tele 1	90	90	90	90	90	100
Tele 2	90	45	90	90	90	100
Tele 3	0	45	45	90	90	100
Tele 4	0	45	45	45	90	100





Lifting capacities main boom with Superlift in 1,000 lb

211,500 lb



360°

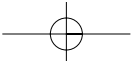
85 %

Radius	Main boom					
	113.0 ft	129.0 ft	144.5 ft	160.5 ft	176.5 ft	190.0 ft
ft	1,000 lb					
23	286.0	231.0	–	–	–	–
26	282.0	223.0	173.0	–	–	–
29	271.0	215.0	169.0	142.5	–	–
33	257.0	204.0	165.0	138.5	119.0	–
39	228.0	191.5	155.5	132.5	119.0	83.5
46	193.5	177.0	147.5	126.5	114.5	83.5
52	168.5	166.0	140.5	121.5	110.5	81.5
59	142.0	147.5	132.0	115.5	105.5	80.0
65	121.0	127.5	126.0	110.5	101.5	79.0
72	100.5	107.0	108.5	105.5	97.0	78.0
79	86.5	93.0	94.0	95.0	92.0	77.0
85	76.5	82.0	82.0	85.0	87.0	77.0
92	67.0	72.5	72.5	74.5	77.0	75.5
98	60.0	65.5	65.5	67.5	69.5	69.5
105	–	58.1	58.4	60.0	62.0	63.0
111	–	52.7	52.9	54.7	56.9	57.3
118	–	46.8	47.0	49.0	51.2	51.4
124	–	–	42.8	44.3	46.9	47.4
131	–	–	38.0	39.8	42.0	42.7
138	–	–	–	35.5	38.0	38.6
144	–	–	–	–	35.0	35.4
151	–	–	–	–	31.4	31.9
157	–	–	–	–	28.8	29.1
164	–	–	–	–	26.2	26.4
170	–	–	–	–	–	24.4
177	–	–	–	–	–	22.1

Boom extension sequence						%
Tele 1	90	90	90	90	90	100
Tele 2	90	45	90	90	90	100
Tele 3	0	45	45	90	90	100
Tele 4	0	45	45	45	90	100

MAIN MENU

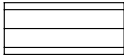
CONTENTS





Lifting capacities main boom in 1,000 lb

269,000 lb



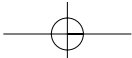
360°

85 %

Radius ft	Main boom														
	49.0 ft ¹⁾	49.0 ft	65.0 ft	65.0 ft	81.0 ft	97.0 ft	97.0 ft	113.0 ft	113.0 ft	129.0 ft	144.5 ft	160.5 ft	176.5 ft	190.0 ft	
	1,000 lb														
10	1,000.0 ²⁾	–	–	–	–	–	–	–	–	–	–	–	–	–	
10	869.0	600.0	–	–	–	–	–	–	–	–	–	–	–	–	
11	788.0	574.0	569.0	569.0	–	–	–	–	–	–	–	–	–	–	
13	704.0	523.0	521.0	521.0	–	–	–	–	–	–	–	–	–	–	
15	600.0	484.0	490.0	480.0	–	–	–	–	–	–	–	–	–	–	
16	574.0	466.0	477.0	463.0	401.0	300.0	343.0	–	–	–	–	–	–	–	
19	501.0	418.0	443.0	416.0	368.0	276.0	329.0	253.0	255.0	–	–	–	–	–	
23	427.0	365.0	396.0	363.0	325.0	248.0	306.0	229.0	242.0	209.0	–	–	–	–	
26	378.0	335.0	356.0	333.0	297.0	232.0	284.0	212.0	230.0	201.0	167.0	–	–	–	
29	339.0	308.0	330.0	306.0	282.0	216.0	267.0	200.0	218.0	189.5	159.5	135.0	–	–	
33	296.0	276.0	289.0	274.0	254.0	195.0	241.0	181.0	204.0	175.5	149.0	128.5	102.0	–	
39	249.0	240.0	245.0	240.0	226.0	170.0	215.0	155.5	184.0	155.5	135.0	120.5	98.0	84.0	
46	–	–	208.0	208.0	194.5	145.0	187.0	133.0	162.5	134.0	121.0	109.0	92.5	79.0	
52	–	–	179.5	179.5	172.5	129.0	167.0	118.0	146.5	121.0	111.0	99.5	86.0	75.0	
59	–	–	–	–	150.0	110.0	145.5	105.5	132.0	107.0	101.0	89.0	80.5	70.5	
65	–	–	–	–	130.5	98.0	129.5	95.5	122.0	97.5	93.0	82.0	75.0	65.0	
72	–	–	–	–	–	84.0	115.0	85.0	110.5	88.0	84.0	76.0	69.5	61.0	
79	–	–	–	–	–	72.0	101.5	76.5	101.0	81.0	76.5	70.0	64.0	57.1	
85	–	–	–	–	–	63.5	84.5	69.5	95.0	74.0	70.5	66.0	60.0	53.9	
92	–	–	–	–	–	–	–	64.5	84.5	67.0	63.5	61.5	55.9	49.7	
98	–	–	–	–	–	–	–	57.8	77.5	61.0	58.9	56.5	52.7	46.9	
105	–	–	–	–	–	–	–	–	–	55.1	54.0	52.2	49.3	43.6	
111	–	–	–	–	–	–	–	–	–	51.0	49.9	48.8	46.5	41.2	
118	–	–	–	–	–	–	–	–	–	45.5	45.4	45.4	43.0	38.8	
124	–	–	–	–	–	–	–	–	–	–	42.8	42.8	40.8	36.4	
131	–	–	–	–	–	–	–	–	–	–	39.7	39.7	38.6	34.4	
138	–	–	–	–	–	–	–	–	–	–	–	37.4	36.3	32.1	
144	–	–	–	–	–	–	–	–	–	–	–	–	34.2	30.9	
151	–	–	–	–	–	–	–	–	–	–	–	–	32.1	29.0	
157	–	–	–	–	–	–	–	–	–	–	–	–	30.5	27.6	
164	–	–	–	–	–	–	–	–	–	–	–	–	–	6.4	

Boom extension sequence															%
Tele 1	0	0	45	45	45	90	45	90	45	90	90	90	90	100	100
Tele 2	0	0	0	0	45	45	45	90	45	45	90	90	90	100	100
Tele 3	0	0	0	0	0	0	45	0	45	45	45	90	90	100	100
Tele 4	0	0	0	0	0	0	0	0	45	45	45	45	90	100	100

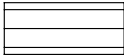
1) with add. jack leg
2) static test load only





Lifting capacities main boom in 1,000 lb

211,500 lb

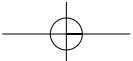


360°

85 %

Radius ft	Main boom											
	49.0 ft	65.0 ft	81.0 ft	97.0 ft	97.0 ft	113.0 ft	113.0 ft	129.0 ft	144.5 ft	160.5 ft	176.5 ft	190.0 ft
	1,000 lb											
10	589.0	-	-	-	-	-	-	-	-	-	-	-
11	563.0	559.0	-	-	-	-	-	-	-	-	-	-
13	516.0	514.0	-	-	-	-	-	-	-	-	-	-
15	474.0	472.0	-	-	-	-	-	-	-	-	-	-
16	458.0	456.0	401.0	300.0	343.0	-	-	-	-	-	-	-
19	411.0	409.0	368.0	276.0	329.0	253.0	255.0	-	-	-	-	-
23	361.0	358.0	325.0	248.0	306.0	229.0	242.0	209.0	-	-	-	-
26	328.0	326.0	297.0	232.0	284.0	212.0	230.0	201.0	167.0	-	-	-
29	304.0	300.0	282.0	216.0	267.0	200.0	218.0	189.5	159.5	135.0	-	-
33	272.0	270.0	254.0	195.0	241.0	181.0	204.0	175.5	149.0	128.5	102.0	-
39	238.0	233.0	226.0	170.0	215.0	155.5	184.0	155.5	135.0	120.5	98.0	84.0
46	-	198.0	194.5	145.0	187.0	133.0	162.5	134.0	121.0	109.0	92.5	79.0
52	-	172.5	172.5	129.0	167.0	118.0	146.5	121.0	111.0	99.5	86.0	75.0
59	-	-	144.5	110.0	145.5	105.5	132.0	107.0	101.0	89.0	80.5	70.5
65	-	-	124.0	98.0	126.5	95.5	122.0	97.5	93.0	82.0	75.0	65.0
72	-	-	-	84.0	107.0	85.0	110.5	88.0	84.0	76.0	69.5	61.0
79	-	-	-	72.0	93.0	76.5	96.5	81.0	76.5	70.0	64.0	57.1
85	-	-	-	63.5	82.0	69.5	86.0	74.0	70.5	66.0	60.0	53.9
92	-	-	-	-	-	64.5	75.5	67.0	63.5	61.5	55.9	49.7
98	-	-	-	-	-	57.8	68.5	61.0	58.9	56.5	52.7	46.9
105	-	-	-	-	-	-	-	55.1	54.0	52.2	49.3	43.6
111	-	-	-	-	-	-	-	51.0	49.9	48.8	46.5	41.2
118	-	-	-	-	-	-	-	45.5	45.4	45.4	43.0	38.8
124	-	-	-	-	-	-	-	-	42.8	42.8	40.8	36.4
131	-	-	-	-	-	-	-	-	39.7	39.7	38.6	34.4
138	-	-	-	-	-	-	-	-	-	37.4	36.3	32.1
144	-	-	-	-	-	-	-	-	-	-	34.2	30.9
151	-	-	-	-	-	-	-	-	-	-	32.1	29.0
157	-	-	-	-	-	-	-	-	-	-	30.5	27.6
164	-	-	-	-	-	-	-	-	-	-	-	26.4

Boom extension sequence												%
Tele 1	0	45	45	90	45	90	45	90	90	90	90	100
Tele 2	0	0	45	45	45	90	45	45	90	90	90	100
Tele 3	0	0	0	0	45	0	45	45	45	90	90	100
Tele 4	0	0	0	0	0	0	45	45	45	45	90	100





Lifting capacities main boom in 1,000 lb

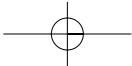
154,000 lb

 360°

85%

Radius ft	Main boom											
	49.0 ft	65.0 ft	81.0 ft	97.0 ft	97.0 ft	113.0 ft	113.0 ft	129.0 ft	144.5 ft	160.5 ft	176.5 ft	190.0 ft
	1,000 lb											
10	579.0	-	-	-	-	-	-	-	-	-	-	-
11	553.0	548.0	-	-	-	-	-	-	-	-	-	-
13	505.0	503.0	-	-	-	-	-	-	-	-	-	-
15	467.0	465.0	-	-	-	-	-	-	-	-	-	-
16	448.0	446.0	401.0	300.0	343.0	-	-	-	-	-	-	-
19	404.0	400.0	368.0	276.0	329.0	253.0	255.0	-	-	-	-	-
23	352.0	350.0	325.0	248.0	306.0	229.0	242.0	209.0	-	-	-	-
26	324.0	321.0	297.0	232.0	284.0	212.0	230.0	201.0	167.0	-	-	-
29	297.0	295.0	282.0	216.0	267.0	200.0	218.0	189.5	159.5	135.0	-	-
33	265.0	263.0	254.0	195.0	241.0	181.0	204.0	175.5	149.0	128.5	102.0	-
39	223.0	219.0	220.0	170.0	215.0	155.5	184.0	155.5	135.0	120.5	98.0	84.0
46	-	168.0	169.0	145.0	172.5	133.0	162.5	134.0	121.0	109.0	92.5	79.0
52	-	137.0	137.0	129.0	140.0	118.0	144.5	121.0	111.0	99.5	86.0	75.0
59	-	-	110.0	108.0	113.5	105.5	118.0	107.0	101.0	89.0	80.5	70.5
65	-	-	93.0	91.0	97.5	91.5	100.5	97.5	93.0	82.0	75.0	65.0
72	-	-	-	76.0	80.5	77.5	85.0	81.5	81.5	76.0	69.5	61.0
79	-	-	-	65.5	70.0	65.5	73.5	71.0	71.0	70.0	64.0	57.1
85	-	-	-	57.5	62.0	58.1	65.5	63.0	63.0	64.5	60.0	53.9
92	-	-	-	-	-	49.9	57.4	54.7	54.9	56.5	55.9	49.7
98	-	-	-	-	-	43.6	51.5	49.1	49.1	50.6	52.4	46.9
105	-	-	-	-	-	-	-	42.9	42.9	44.7	46.7	43.6
111	-	-	-	-	-	-	-	38.3	38.3	40.1	42.2	41.2
118	-	-	-	-	-	-	-	34.0	33.5	35.3	37.5	37.5
124	-	-	-	-	-	-	-	-	30.1	31.7	33.9	33.9
131	-	-	-	-	-	-	-	-	26.5	27.9	30.1	30.1
138	-	-	-	-	-	-	-	-	-	24.5	26.8	26.8
144	-	-	-	-	-	-	-	-	-	-	24.1	24.1
151	-	-	-	-	-	-	-	-	-	-	21.7	21.3
157	-	-	-	-	-	-	-	-	-	-	19.5	19.3
164	-	-	-	-	-	-	-	-	-	-	-	17.2

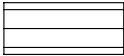
Boom extension sequence												%
Tele 1	0	45	45	90	45	90	45	90	90	90	90	100
Tele 2	0	0	45	45	45	90	45	45	90	90	90	100
Tele 3	0	0	0	0	45	0	45	45	45	90	90	100
Tele 4	0	0	0	0	0	0	45	45	45	45	90	100





Lifting capacities main boom in 1,000 lb

97,000 lb

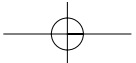


360°

85%

Radius ft	Main boom											
	49.0 ft	65.0 ft	81.0 ft	97.0 ft	97.0 ft	113.0 ft	113.0 ft	129.0 ft	144.5 ft	160.5 ft	176.5 ft	190.0 ft
	1,000 lb											
10	567.0	-	-	-	-	-	-	-	-	-	-	-
11	543.0	540.0	-	-	-	-	-	-	-	-	-	-
13	496.0	494.0	-	-	-	-	-	-	-	-	-	-
15	458.0	454.0	-	-	-	-	-	-	-	-	-	-
16	441.0	438.0	401.0	300.0	343.0	-	-	-	-	-	-	-
19	395.0	393.0	368.0	276.0	329.0	253.0	255.0	-	-	-	-	-
23	345.0	343.0	325.0	248.0	306.0	229.0	242.0	209.0	-	-	-	-
26	311.0	309.0	297.0	232.0	284.0	212.0	230.0	201.0	167.0	-	-	-
29	279.0	275.0	275.0	216.0	267.0	200.0	218.0	189.5	159.5	135.0	-	-
33	233.0	227.0	229.0	195.0	233.0	181.0	204.0	175.5	149.0	128.5	102.0	-
39	170.0	165.5	167.0	162.5	170.0	155.5	173.5	155.5	135.0	120.5	98.0	84.0
46	-	119.5	122.0	118.5	125.0	119.5	130.5	127.5	121.0	109.0	92.5	79.0
52	-	96.5	97.5	95.5	101.0	96.5	105.5	102.0	101.5	99.5	86.0	75.0
59	-	-	77.0	75.0	79.5	76.0	85.0	81.5	81.5	82.5	80.5	70.5
65	-	-	65.0	63.0	67.0	63.5	71.5	69.5	69.5	70.5	72.0	65.0
72	-	-	-	51.2	56.4	52.3	60.0	57.8	58.0	59.7	62.0	61.0
79	-	-	-	41.6	47.1	42.4	50.8	48.4	48.6	50.2	52.4	52.4
85	-	-	-	35.1	40.8	35.8	44.2	41.5	41.7	43.5	45.7	45.9
92	-	-	-	-	-	29.4	37.5	34.9	35.1	36.9	39.3	39.3
98	-	-	-	-	-	24.8	32.5	30.1	30.3	32.0	34.3	34.3
105	-	-	-	-	-	-	-	25.5	25.5	27.3	29.5	29.5
111	-	-	-	-	-	-	-	22.1	21.7	23.5	25.9	25.9
118	-	-	-	-	-	-	-	18.5	18.3	19.8	22.1	22.1
124	-	-	-	-	-	-	-	-	15.5	17.0	19.2	19.2
131	-	-	-	-	-	-	-	-	12.8	13.9	16.4	16.4
138	-	-	-	-	-	-	-	-	-	11.6	13.6	13.6
144	-	-	-	-	-	-	-	-	-	-	11.7	11.7
151	-	-	-	-	-	-	-	-	-	-	9.6	9.6
157	-	-	-	-	-	-	-	-	-	-	8.0	8.0
164	-	-	-	-	-	-	-	-	-	-	-	6.4

Boom extension sequence												%
Tele 1	0	45	45	90	45	90	45	90	90	90	90	100
Tele 2	0	0	45	45	45	90	45	45	90	90	90	100
Tele 3	0	0	0	0	45	0	45	45	45	90	90	100
Tele 4	0	0	0	0	0	0	45	45	45	45	90	100





Lifting capacities main boom in 1,000 lb



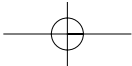
0 lb

 360°

85%

	Main boom				
Radius	49.0 ft	65.0 ft	81.0 ft	97.0 ft	113.0 ft
ft	1,000 lb				
10	485.0	–	–	–	–
11	462.0	429.0	–	–	–
13	413.0	384.0	–	–	–
15	367.0	336.0	–	–	–
16	344.0	311.0	310.0	246.0	–
19	274.0	249.0	249.0	216.0	220.0
23	179.0	168.0	165.5	158.0	156.0
26	129.5	121.5	121.5	114.5	113.5
29	99.5	92.5	92.5	87.0	86.0
33	72.0	65.0	65.0	62.0	61.5
39	48.6	42.8	43.0	39.5	39.7
46	–	25.6	26.1	23.0	23.2
52	–	17.0	17.2	14.5	15.0
59	–	–	9.9	7.3	8.2
65	–	–	4.7	–	3.1

Boom extension sequence					%
Tele 1	0	45	45	90	90
Tele 2	0	0	45	45	90
Tele 3	0	0	0	0	0
Tele 4	0	0	0	0	0





Notes to lifting capacity

Ratings do not exceed 85%/75% of tipping load. 75% ratings are in compliance with DIN 15019.2 (test load=1.25 x suspended load + 0.1 x dead weight of boom reduced to boom point).

Weights of hook blocks and slings are part of the load, and are to be deducted from the capacity ratings.

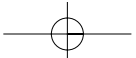
Crane operation with main boom is permissible up to a

wind pressure of 60 N/m²
wind speed of 32 ft/s

Consult operation manual for further details on wind speed.

Crane operation is subject to computer charts, only!

For crane operation, consult operation manual first.





Lifting capacities main boom extension with SL in 1,000 lb

Main boom: 176.5 ft

269,000 lb

 360°

85 %

Radius	Extension				
	39 ft		62 ft		
	0°	20°	0°	20°	
ft	1,000 lb				
39	45.8	-	-	-	
46	45.8	-	35.2	-	
52	45.8	-	34.6	-	
59	45.8	-	33.9	-	
65	45.8	-	33.3	-	
72	45.8	-	32.6	-	
79	45.8	-	31.9	-	
85	45.8	-	31.3	-	
92	45.8	-	30.6	-	
98	45.8	-	30.2	-	
105	45.8	-	29.5	-	
111	45.8	-	28.9	-	
118	44.9	-	28.4	-	
124	43.9	-	27.8	-	
131	42.8	-	27.3	-	
138	41.8	-	26.6	-	
144	40.8	-	26.2	-	
151	39.6	-	25.7	-	
157	38.6	-	25.3	-	
164	36.8	-	24.9	-	
177	31.3	-	24.2	-	
190	26.5	-	23.3	-	
203	-	-	22.5	-	
216	-	-	21.0	-	

211,500 lb

 360°

85 %

Radius	Extension				
	39 ft		62 ft		
	0°	20°	0°	20°	
ft	1,000 lb				
39	45.8	-	-	-	
46	45.8	-	35.2	-	
52	45.8	-	34.6	-	
59	45.8	-	33.9	-	
65	45.8	-	33.3	-	
72	45.8	-	32.6	-	
79	45.8	-	31.9	-	
85	45.8	-	31.3	-	
92	45.8	-	30.6	-	
98	45.8	-	30.2	-	
105	45.8	-	29.5	-	
111	45.8	-	28.9	-	
118	44.9	-	28.4	-	
124	43.9	-	27.8	-	
131	42.3	-	27.3	-	
138	38.0	-	26.6	-	
144	35.0	-	26.2	-	
151	31.4	-	25.7	-	
157	28.6	-	25.3	-	
164	26.0	-	24.9	-	
177	21.2	-	24.2	-	
190	17.2	-	20.5	-	
203	-	-	17.0	-	
216	-	-	14.0	-	

Main boom: 190.0 ft

269,000 lb

 360°

85 %

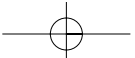
Radius	Extension				
	39 ft		62 ft		
	0°	20°	0°	20°	
ft	1,000 lb				
46	43.4	-	-	-	
52	43.4	-	27.5	-	
59	43.4	40.3	27.5	-	
65	43.4	39.1	27.5	-	
72	43.2	38.1	27.5	-	
79	42.9	37.2	27.5	-	
85	42.7	36.4	27.5	-	
92	42.5	35.7	27.5	-	
98	42.3	35.0	27.5	-	
105	41.8	34.3	27.1	-	
111	41.0	33.9	26.7	-	
118	40.3	33.5	26.2	-	
124	39.7	33.3	25.8	-	
131	39.0	32.8	25.3	-	
138	38.1	32.6	25.1	-	
144	37.5	32.4	24.7	-	
151	36.5	32.1	24.2	-	
157	35.9	31.9	24.0	-	
164	35.2	31.9	23.8	-	
177	31.1	28.4	23.1	-	
190	26.3	24.1	22.5	-	
203	22.3	-	22.0	-	
216	-	-	21.4	-	
229	-	-	17.4	-	

211,500 lb

 360°

85 %

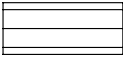
Radius	Extension				
	39 ft		62 ft		
	0°	20°	0°	20°	
ft	1,000 lb				
46	43.4	-	-	-	
52	43.4	-	27.5	-	
59	43.4	40.3	27.5	-	
65	43.4	39.1	27.5	-	
72	43.2	38.1	27.5	24.0	
79	42.9	37.2	27.5	23.5	
85	42.7	36.4	27.5	22.9	
92	42.5	35.7	27.5	22.4	
98	42.3	35.0	27.5	22.2	
105	41.8	34.3	27.1	21.8	
111	41.0	33.9	26.7	21.4	
118	40.3	33.5	26.2	21.1	
124	39.7	33.3	25.8	20.9	
131	39.0	32.8	25.3	20.5	
138	38.0	32.6	25.1	20.2	
144	34.5	32.4	24.7	20.0	
151	31.2	32.1	24.2	20.0	
157	28.6	30.3	24.0	19.8	
164	25.8	27.3	23.8	19.6	
177	21.0	22.3	23.1	19.1	
190	17.0	18.1	20.1	18.9	
203	13.7	-	16.8	18.1	
216	-	-	13.7	-	
229	-	-	11.1	-	



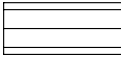


Lifting capacities main boom extension in 1,000 lb

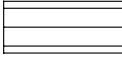
Main boom: 190.0 ft

211,500 lb  360° 85 %

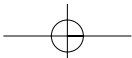
Radius	Extension			
	39 ft		62 ft	
	0°	20°	0°	20°
ft	1,000 lb			
52	40.7	-	24.3	-
59	40.7	-	23.3	-
65	39.7	-	22.7	-
72	38.6	-	22.0	-
79	37.4	-	21.3	-
85	35.7	-	20.7	-
92	34.1	-	20.2	-
98	32.7	-	19.6	-
105	31.0	-	19.1	-
111	29.6	-	18.5	-
118	28.0	-	18.0	-
124	26.6	-	17.6	-
131	25.3	-	17.2	-
138	23.7	-	16.7	-
144	22.5	-	16.3	-
151	21.3	-	15.8	-
157	20.3	-	15.4	-
164	19.1	-	14.9	-
177	17.0	-	14.1	-
190	15.2	-	13.4	-
203	13.2	-	12.8	-
216	-	-	11.9	-
229	-	-	11.0	-

154,000 lb  360° 85 %

Radius	Extension			
	39 ft		62 ft	
	0°	20°	0°	20°
ft	1,000 lb			
52	40.7	-	24.3	-
59	40.7	31.9	23.3	-
65	39.7	31.9	22.7	-
72	38.6	31.5	22.0	18.5
79	37.4	30.8	21.3	18.5
85	35.7	30.0	20.7	18.3
92	34.1	29.3	20.2	18.0
98	32.7	28.4	19.6	17.6
105	31.0	27.7	19.1	17.1
111	29.6	26.9	18.5	16.7
118	28.0	25.8	18.0	16.3
124	26.6	25.0	17.6	16.1
131	25.3	24.0	17.2	15.8
138	23.7	22.9	16.7	15.6
144	22.5	22.0	16.3	15.4
151	20.4	20.9	15.8	14.9
157	18.2	19.9	15.4	14.9
164	16.1	17.4	14.9	14.7
177	12.3	13.5	14.1	13.9
190	9.3	-	11.9	13.4
203	6.4	-	9.3	10.6
216	-	-	6.9	-
229	-	-	4.9	-

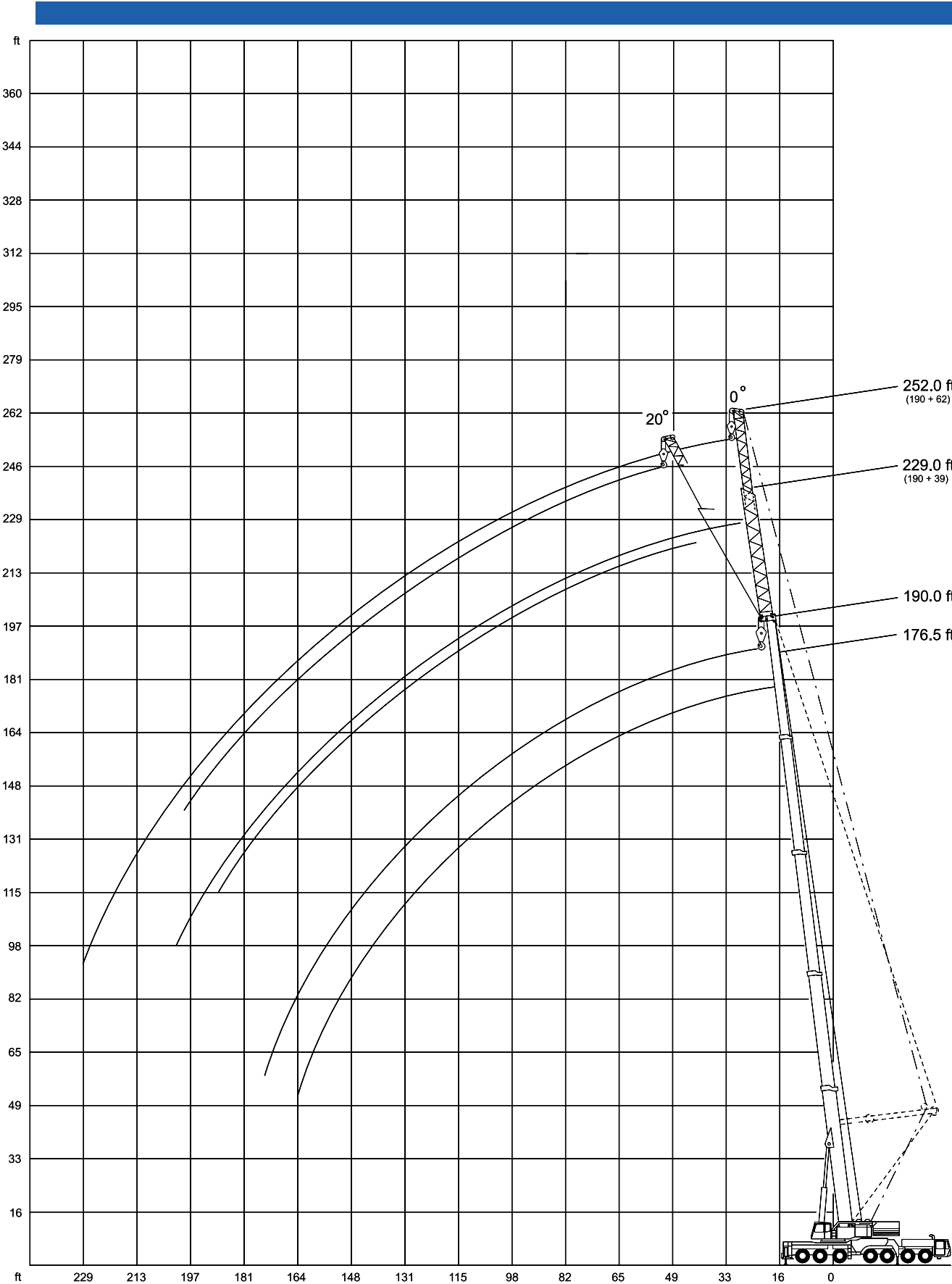
97,000 lb  360° 85 %

Radius	Extension			
	39 ft		62 ft	
	0°	20°	0°	20°
ft	1,000 lb			
52	40.7	-	24.3	-
59	40.7	31.9	23.3	-
65	39.7	31.9	22.7	-
72	38.6	31.5	22.0	18.5
79	37.4	30.8	21.3	18.5
85	35.7	30.0	20.7	18.3
92	34.1	29.3	20.2	18.0
98	32.7	28.4	19.6	17.6
105	28.6	27.7	19.1	17.1
111	25.0	26.9	18.5	16.7
118	21.2	24.0	18.0	16.3
124	18.5	21.0	17.6	16.1
131	15.5	17.7	17.2	15.8
138	12.9	14.9	16.0	15.6
144	10.9	12.9	13.8	15.4
151	8.7	10.5	11.6	14.5
157	6.9	8.7	9.8	12.7
164	5.3	6.8	7.9	10.5
177	2.2	3.5	5.3	7.3
190	-	-	2.7	4.4
203	-	-	-	2.0



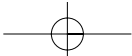


Working ranges main boom extension



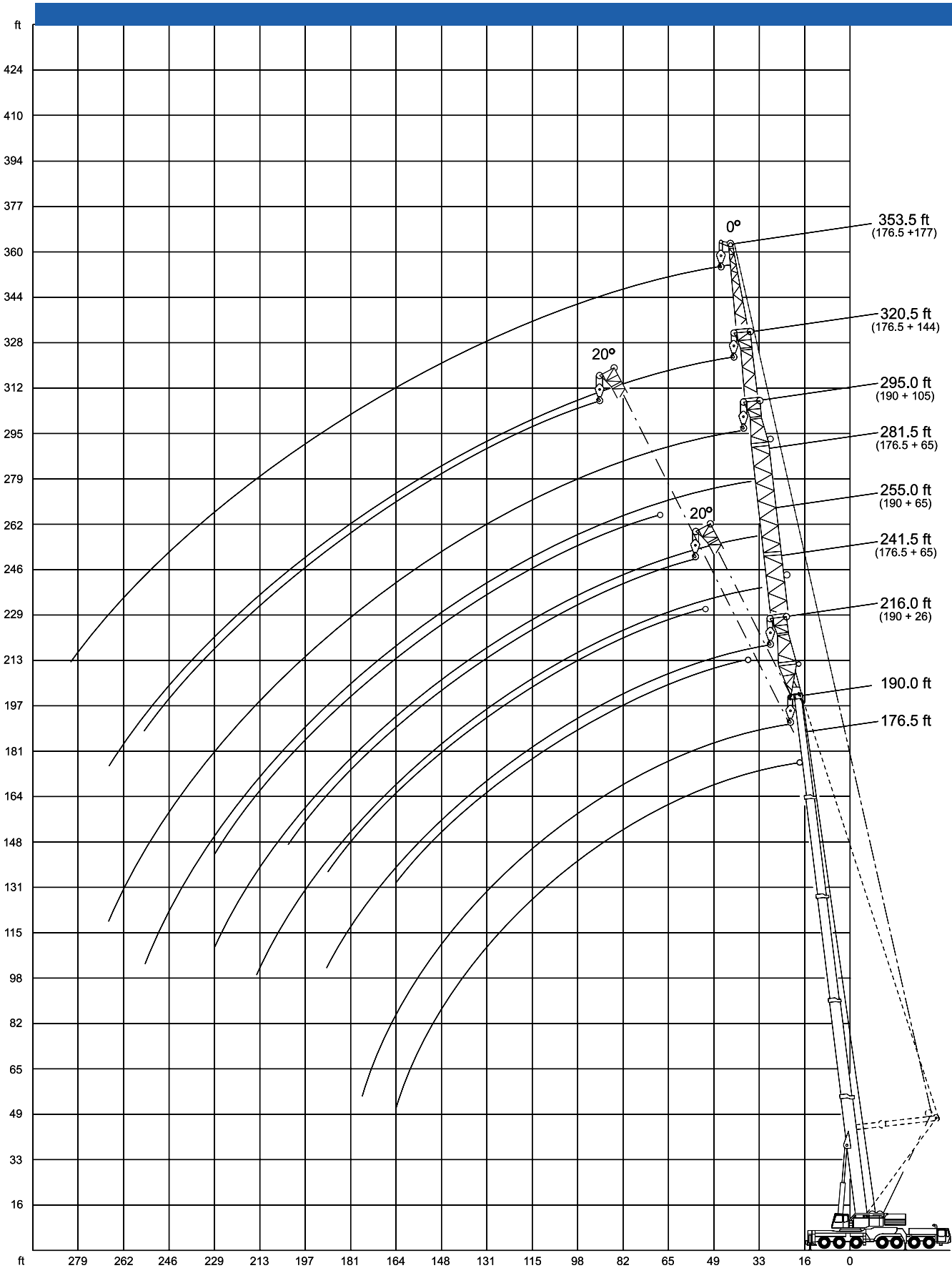
[MAIN MENU](#)

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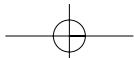


Working ranges fixed fly jib



[MAIN MENU](#)

[CONTENTS](#)





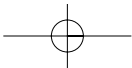
Lifting capacities fixed fly jib with Superlift in 1,000 lb

Main boom: 176.5 ft

269,000 lb			360°	85 %
Radius	Extension			
	65 ft	105 ft	144 ft	
	0°	0°	0°	
ft	1,000 lb			
52	38.8	–	–	
59	38.3	30.8	–	
65	37.9	30.0	21.4	
72	37.4	29.1	20.9	
79	37.0	28.1	20.7	
85	36.6	27.5	20.3	
92	35.9	26.8	19.8	
98	35.3	26.0	19.4	
105	34.8	25.7	19.1	
111	34.4	24.9	18.9	
118	33.9	24.2	18.5	
124	33.5	23.8	18.1	
131	33.0	23.3	17.6	
138	32.3	22.9	17.4	
144	31.7	22.5	17.2	
151	31.3	22.0	16.7	
157	30.8	21.6	16.3	
164	30.2	21.1	15.8	
177	29.3	20.2	15.0	
190	27.5	19.6	14.3	
203	23.7	18.9	13.6	
216	17.4	18.5	12.8	
229	–	17.8	12.1	
243	–	14.4	11.2	
256	–	8.7	10.7	
269	–	–	10.3	
282	–	–	–	

1) max. wind speed 13.3 mph

211,500 lb				360°		85 %	
Radius	Extension						
	65 ft		105 ft		144 ft		177 ft ¹⁾
	0°	20°	0°	20°	0°	20°	0°
ft	1,000 lb						
52	38.8	–	–	–	–	–	–
59	38.3	–	30.8	–	–	–	–
65	37.9	–	30.0	–	21.4	–	–
72	37.4	41.0	29.1	–	20.9	–	–
79	37.0	39.8	28.1	–	20.7	–	12.7
85	36.6	38.8	27.5	–	20.3	–	12.7
92	35.9	37.6	26.8	25.5	19.8	–	12.7
98	35.3	36.8	26.0	24.9	19.4	–	12.5
105	34.8	36.1	25.7	24.2	19.1	–	12.5
111	34.4	35.3	24.9	23.8	18.9	–	12.3
118	33.9	34.4	24.2	23.1	18.5	15.4	12.3
124	33.5	33.7	23.8	22.5	18.1	15.2	12.1
131	33.0	33.0	23.3	22.0	17.6	15.2	12.1
138	32.3	32.6	22.9	21.5	17.4	15.1	12.1
144	31.7	32.0	22.5	21.1	17.2	14.7	12.1
151	31.2	31.5	22.0	20.7	16.7	14.1	12.1
157	30.0	31.1	21.6	20.3	16.3	13.7	11.7
164	27.3	29.7	21.1	19.8	15.8	13.2	11.2
177	22.5	24.5	20.2	19.1	15.0	12.1	10.5
190	18.3	20.1	19.4	18.5	14.3	11.4	9.9
203	14.8	–	16.1	18.0	13.6	10.6	9.2
216	11.8	–	13.1	15.5	12.8	9.9	8.4
229	–	–	10.2	12.5	11.1	9.2	7.9
243	–	–	7.9	–	8.7	8.8	7.2
256	–	–	5.9	–	6.8	8.3	6.6
269	–	–	–	–	4.8	–	6.1
282	–	–	–	–	–	–	5.3



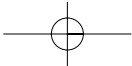


Lifting capacities fixed fly jib with Superlift in 1,000 lb

Main boom: 190.0 ft

269,000 lb  360° 85 %			
Radius	Extension		
	26 ft	65 ft	105 ft
	0°	0°	0°
ft	1,000 lb		
46	55.1	–	–
52	54.5	35.9	–
59	54.0	35.2	22.4
65	53.4	34.4	22.4
72	53.1	33.5	22.4
79	51.9	33.0	22.0
85	50.9	32.4	22.0
92	50.0	31.5	21.8
98	49.2	31.1	21.6
105	48.5	30.6	21.3
111	47.8	30.0	21.1
118	47.1	29.5	20.7
124	46.7	29.1	20.3
131	46.3	28.6	20.0
138	45.1	28.2	19.6
144	44.3	28.0	19.4
151	41.8	27.5	18.9
157	38.8	27.3	18.7
164	35.2	26.8	18.3
177	29.8	26.2	17.8
190	24.1	24.0	17.2
203	–	20.4	16.7
216	–	17.3	16.1
229	–	12.5	15.6
243	–	–	14.5
256	–	–	11.6
269	–	–	6.4

211,500 lb  360° 85 %					
Radius	Extension				
	26 ft		65 ft		105 ft
	0°	20°	0°	20°	0°
ft	1,000 lb				
46	55.1	–	–	–	–
52	54.5	57.6	35.9	–	–
59	54.0	56.6	35.2	–	22.4
65	53.4	55.8	34.4	–	22.4
72	53.1	54.9	33.5	35.2	22.4
79	51.9	53.9	33.0	34.3	22.0
85	50.9	52.7	32.4	33.5	22.0
92	50.0	52.0	31.5	32.8	21.8
98	49.2	50.9	31.1	32.2	21.6
105	48.5	50.0	30.6	31.3	21.3
111	47.8	49.2	30.0	30.6	21.1
118	47.1	48.2	29.5	30.2	20.7
124	45.5	47.2	29.1	29.6	20.3
131	41.1	42.7	28.6	29.1	20.0
138	36.9	38.4	28.2	28.4	19.6
144	33.7	35.0	28.0	28.0	19.4
151	30.1	31.2	27.5	27.5	18.9
157	27.5	28.4	27.3	27.3	18.7
164	24.4	25.1	26.6	26.8	18.3
177	19.9	–	22.1	24.5	17.8
190	15.7	–	18.1	20.1	17.2
203	–	–	14.6	16.2	15.4
216	–	–	11.5	–	12.6
229	–	–	8.9	–	9.8
243	–	–	–	–	7.4
256	–	–	–	–	5.2
269	–	–	–	–	3.5





Lifting capacities fixed fly jib in 1,000 lb

Main boom: 176.5 ft

211,500 lb

 360°

85 %

Radius	Extension	
	65 ft	105 ft
	0°	0°
ft	1,000 lb	
52	36.2	-
59	34.4	26.4
65	32.9	25.2
72	31.3	23.8
79	29.9	22.6
85	28.7	21.6
92	27.5	20.7
98	26.5	19.8
105	25.3	18.9
111	24.5	18.1
118	23.3	17.2
124	22.5	16.6
131	21.4	15.8
138	20.6	15.1
144	19.8	14.5
151	18.9	13.8
157	18.1	13.2
164	17.4	12.7
177	15.8	11.4
190	14.3	10.6
203	12.8	9.7
216	11.5	8.6
229	-	7.7
243	-	6.8
256	-	5.7
269	-	-

154,000 lb

 360°

85 %

Radius	Extension							
	65 ft		105 ft		144 ft		177 ft ¹⁾	
	0°	20°	0°	20°	0°	20°	0°	
ft	1,000 lb							
52	36.2	-	-	-	-	-	-	-
59	34.4	-	26.4	-	-	-	-	-
65	32.9	-	25.2	-	17.2	-	-	-
72	31.3	29.5	23.8	-	16.3	-	-	-
79	29.9	28.3	22.6	-	15.6	-	11.0	-
85	28.7	27.3	21.6	-	15.0	-	10.6	-
92	27.5	25.9	20.7	-	14.3	-	10.1	-
98	26.5	24.7	19.8	18.1	13.7	-	9.7	-
105	25.3	24.0	18.9	17.4	13.0	-	9.0	-
111	24.5	23.4	18.1	16.6	12.4	-	8.6	-
118	23.3	22.5	17.2	15.8	11.6	-	8.1	-
124	22.5	21.6	16.6	15.2	11.2	11.5	7.9	-
131	21.4	20.9	15.8	14.7	10.8	11.0	7.5	-
138	20.6	20.2	15.1	14.0	10.3	10.5	7.0	-
144	19.8	19.6	14.5	13.6	9.7	9.9	6.8	-
151	18.9	18.9	13.8	13.0	9.2	9.4	6.3	-
157	18.1	18.3	13.2	12.5	8.8	9.0	6.1	-
164	17.2	17.6	12.7	12.1	8.3	8.8	5.7	-
177	13.4	15.4	11.4	11.2	7.7	7.9	5.2	-
190	10.2	11.7	10.6	10.3	6.8	7.2	4.8	-
203	7.5	8.9	8.2	9.7	5.9	6.8	4.2	-
216	5.1	-	6.0	8.2	5.3	6.2	3.7	-
229	-	-	3.8	5.8	4.2	5.5	3.3	-
243	-	-	1.9	-	2.3	5.0	2.6	-
256	-	-	-	-	-	3.2	-	-

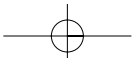
97,000 lb

 360°

85 %

Radius	Extension							
	65 ft		105 ft		144 ft		177 ft ¹⁾	
	0°	20°	0°	20°	0°	20°	0°	
ft	1,000 lb							
52	36.2	-	-	-	-	-	-	-
59	34.4	-	26.4	-	-	-	-	-
65	32.9	-	25.2	-	17.2	-	-	-
72	31.3	29.5	23.8	-	16.3	-	-	-
79	29.9	28.3	22.6	-	15.6	-	11.0	-
85	28.7	27.3	21.6	-	15.0	-	10.6	-
92	27.5	25.9	20.7	-	14.3	-	10.1	-
98	26.5	24.7	19.8	18.1	13.7	-	9.7	-
105	25.3	24.0	18.9	17.4	13.0	-	9.0	-
111	24.5	23.4	18.1	16.6	12.4	-	8.6	-
118	22.9	22.5	17.2	15.8	11.6	-	8.1	-
124	20.1	21.6	16.6	15.2	11.2	11.5	7.9	-
131	17.0	20.7	15.8	14.7	10.8	11.0	7.5	-
138	14.4	17.9	15.1	14.0	10.3	10.5	7.0	-
144	12.4	15.5	13.3	13.6	9.7	9.9	6.8	-
151	10.1	12.9	11.2	13.0	9.2	9.4	6.3	-
157	8.3	11.1	9.4	12.5	8.8	9.0	6.1	-
164	6.4	9.0	7.5	11.6	8.1	8.8	5.7	-
177	3.5	5.5	4.4	8.2	5.3	7.9	5.2	-
190	-	2.7	2.0	5.3	2.7	7.2	4.8	-
203	-	-	-	2.5	-	4.5	2.5	-
216	-	-	-	-	-	2.2	-	-

1) max. wind speed 13.3 mph





Lifting capacities fixed fly jib in 1,000 lb

Main boom: 190.0 ft

211,500 lb

 360°

85 %

Radius	Extension		
	26 ft	65 ft	105 ft
	0°	0°	0°
ft	1,000 lb		
46	56.6	–	–
52	53.1	33.2	–
59	49.6	31.3	22.2
65	47.2	29.7	20.4
72	44.3	28.4	19.4
79	41.8	27.2	18.4
85	39.7	26.0	17.6
92	37.4	24.8	16.7
98	35.4	23.8	15.9
105	33.2	22.9	15.2
111	31.6	21.9	14.6
118	29.7	20.9	13.9
124	28.1	20.1	13.4
131	26.5	19.4	12.8
138	24.6	18.4	12.1
144	23.2	17.6	11.7
151	21.5	16.9	11.2
157	20.1	16.3	10.8
164	18.5	15.6	10.3
177	15.6	14.3	9.7
190	13.0	13.0	8.8
203	–	11.9	7.9
216	–	10.6	7.0
229	–	9.5	6.2
243	–	–	5.2
256	–	–	3.9

154,000 lb

 360°

85 %

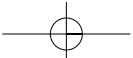
Radius	Extension				
	26 ft		65 ft		105 ft
	0°	20°	0°	20°	0°
ft	1,000 lb				
46	56.6	–	–	–	–
52	53.1	51.1	33.2	–	–
59	49.6	47.8	31.3	–	22.2
65	47.2	45.6	29.7	–	20.4
72	44.3	43.0	28.4	27.3	19.4
79	41.8	40.7	27.2	25.9	18.4
85	39.7	38.8	26.0	25.1	17.6
92	37.4	36.7	24.8	24.0	16.7
98	35.4	34.9	23.8	23.2	15.9
105	33.2	33.0	22.9	22.2	15.2
111	31.6	31.6	21.9	21.4	14.6
118	29.7	29.7	20.9	20.5	13.9
124	28.1	28.3	20.1	19.9	13.4
131	26.5	26.7	19.4	19.2	12.8
138	24.6	25.2	18.4	18.2	12.1
144	22.1	23.0	17.6	17.6	11.7
151	19.3	20.2	16.6	16.9	11.2
157	17.1	18.2	16.3	16.3	10.8
164	14.7	15.6	15.6	15.6	10.3
177	11.0	11.7	13.0	14.3	9.7
190	8.0	–	9.7	11.5	8.8
203	–	–	7.1	8.6	7.7
216	–	–	4.5	–	5.3
229	–	–	2.5	–	3.4

97,000 lb

 360°

85 %

Radius	Extension				
	26 ft		65 ft		105 ft
	0°	20°	0°	20°	0°
ft	1,000 lb				
46	56.6	–	–	–	–
52	53.1	51.1	33.2	–	–
59	49.6	47.8	31.3	–	22.2
65	47.2	45.6	29.7	–	20.4
72	44.3	43.0	28.4	27.3	19.4
79	41.8	40.7	27.2	25.9	18.4
85	39.7	38.8	26.0	25.1	17.6
92	37.3	36.7	24.8	24.0	16.7
98	32.9	34.9	23.8	23.2	15.9
105	27.9	30.1	22.9	22.2	15.2
111	24.3	26.1	21.9	21.4	14.6
118	20.3	22.1	20.9	20.5	13.9
124	17.5	19.0	19.5	19.9	13.4
131	14.6	15.7	16.6	19.2	12.8
138	11.8	13.1	13.8	17.5	12.1
144	9.6	10.9	11.8	15.1	11.7
151	7.4	8.5	9.6	12.7	10.5
157	5.8	6.9	7.8	10.9	8.9
164	3.9	4.8	5.9	8.8	7.0
177	–	–	3.1	5.3	4.0
190	–	–	–	2.2	–



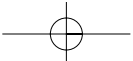


Lifting capacities luffing fly jib, main boom 82° in 1,000 lb

211,500 lb					360°	75%		
Fly Jib								
Boom	Radius	65 ft ¹⁾	105 ft ²⁾	144 ft	184 ft	216 ft ³⁾	256 ft ³⁾	
81.0 ft	ft	1,000 lb						
	42	177.0	—	—	—	—	—	
	46	177.0	119.0	—	—	—	—	
	52	158.0	118.0	—	—	—	—	
	59	136.5	115.5	72.5	—	—	—	
	65	120.5	112.5	70.5	—	—	—	
	72	106.0	106.0	68.0	43.2	—	—	
	79	—	98.5	66.0	42.5	30.5	—	
	85	—	92.5	65.0	41.9	29.3	—	
	92	—	84.5	63.5	41.4	28.2	—	
	98	—	77.5	61.5	41.0	27.3	—	
	105	—	64.5	59.9	40.3	26.0	—	
	111	—	—	58.5	39.7	25.0	—	
	118	—	—	57.3	39.2	24.0	—	
	124	—	—	54.7	38.6	23.2	—	
	131	—	—	52.9	37.7	22.2	—	
	138	—	—	47.8	37.0	21.3	—	
	144	—	—	40.9	36.4	20.5	—	
	151	—	—	—	35.2	19.8	—	
	157	—	—	—	34.8	19.2	—	
	164	—	—	—	34.3	18.5	—	
	177	—	—	—	31.1	17.2	—	
	190	—	—	—	—	16.5	—	
	203	—	—	—	—	15.6	—	
97.0 ft	52	—	101.0	—	—	—	—	
	59	—	101.0	—	—	—	—	
	65	—	101.0	63.0	—	—	—	
	72	—	100.0	62.5	—	—	—	
	79	—	95.0	61.5	37.8	—	—	
	85	—	89.5	61.0	37.0	28.2	—	
	92	—	83.5	60.0	36.3	27.0	—	
	98	—	77.5	59.9	35.7	26.2	—	
	105	—	70.5	59.0	35.2	25.1	—	
	111	—	—	58.0	34.8	24.3	—	
	118	—	—	57.1	34.3	23.1	—	
	124	—	—	56.1	33.9	22.3	—	
	131	—	—	52.5	33.7	21.4	—	
	138	—	—	49.0	33.5	20.4	—	
	144	—	—	45.2	33.3	19.6	—	
	151	—	—	—	33.0	18.9	—	
	157	—	—	—	32.8	18.1	—	
	164	—	—	—	32.6	16.9	—	
	177	—	—	—	32.4	16.1	—	
	190	—	—	—	—	15.6	—	
	203	—	—	—	—	15.4	—	
	113.0 ft	59	—	74.5	—	—	—	—
		65	—	71.5	48.5	—	—	—
		72	—	69.5	48.2	—	—	—
79		—	67.0	47.3	30.3	—	—	
85		—	66.0	46.7	29.3	24.0	—	
92		—	64.0	45.8	28.2	22.6	17.6	
98		—	62.5	45.2	27.6	22.0	17.4	
105		—	61.5	44.5	26.8	21.3	17.1	
111		—	60.5	44.1	26.0	20.7	16.9	
118		—	—	43.4	25.3	20.2	16.7	
124		—	—	43.0	24.7	19.8	16.5	
131		—	—	42.3	24.2	19.4	16.3	
138		—	—	41.8	23.5	18.9	16.3	
144		—	—	41.4	23.1	18.5	16.1	
151		—	—	—	22.4	18.0	16.0	
157		—	—	—	22.0	17.8	15.8	
164		—	—	—	21.6	17.4	15.8	
177		—	—	—	20.7	16.7	15.6	
190		—	—	—	—	16.3	15.2	
203		—	—	—	—	15.8	14.9	
216		—	—	—	—	15.4	14.9	
229		—	—	—	—	—	14.7	
243		—	—	—	—	—	14.5	

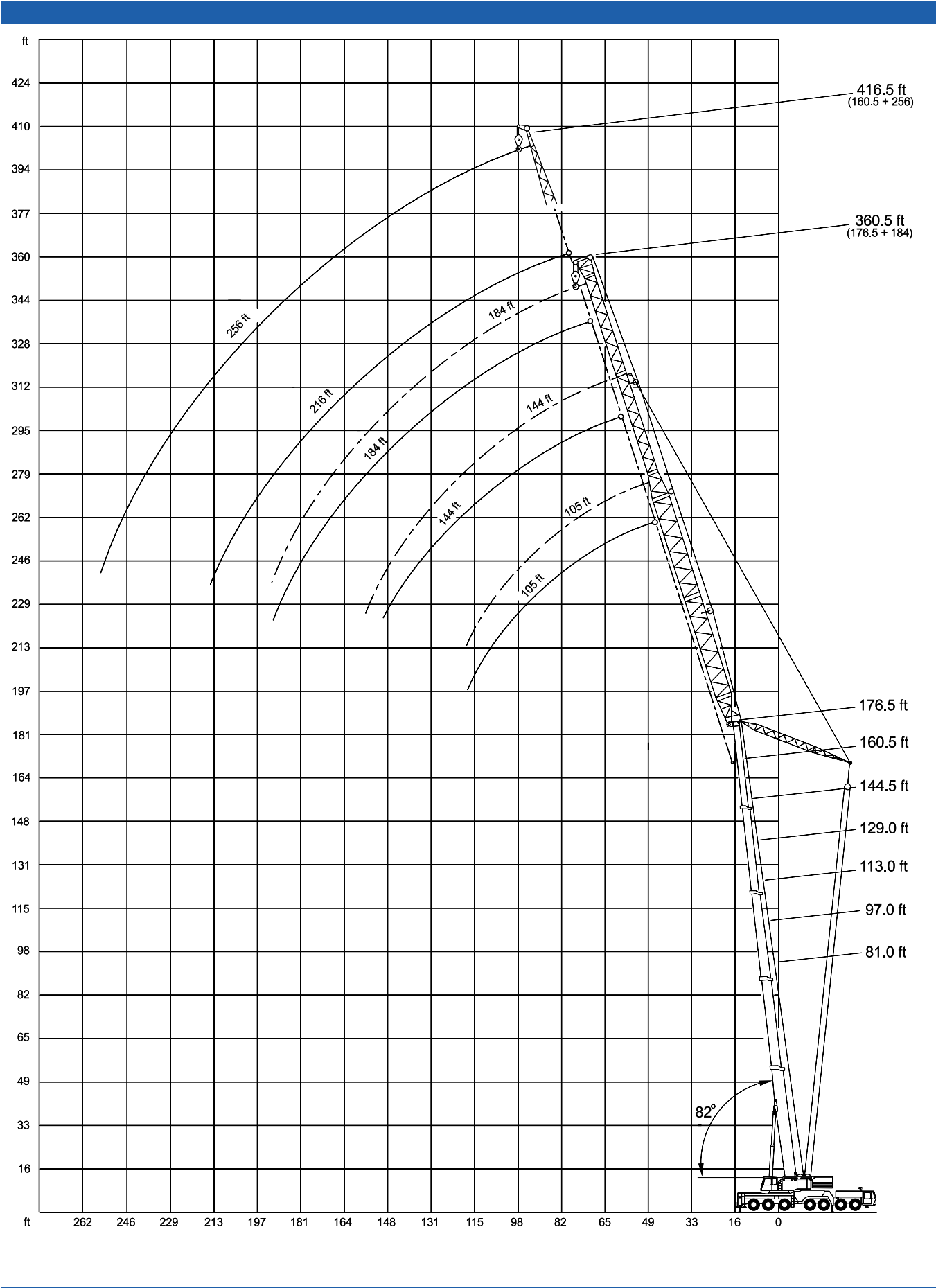
211,500 lb					360°	75 %	
Fly Jib							
Boom	Radius	105 ft ²⁾	144 ft	184 ft	216 ft ³⁾	256 ft ³⁾	
129.0 ft	ft			1,000 lb			
	59	64.0	—	—	—	—	
	65	62.5	—	—	—	—	
	72	60.5	45.6	—	—	—	
	79	59.2	45.3	—	—	—	
	85	57.8	44.7	29.3	—	—	
	92	56.4	44.0	29.0	23.1	—	
	98	55.2	43.2	28.8	22.3	15.4	
	105	53.7	42.3	28.4	21.6	15.4	
	111	52.5	41.3	28.2	20.9	15.2	
	118	—	39.9	27.7	20.2	15.2	
	124	—	38.7	27.5	19.6	15.2	
	131	—	36.6	27.1	19.1	15.2	
	138	—	34.3	26.8	18.7	15.2	
	144	—	31.8	26.2	18.3	15.2	
	151	—	29.0	25.7	18.0	15.2	
	157	—	—	25.3	17.6	15.0	
	164	—	—	24.9	17.4	14.9	
	177	—	—	23.6	16.7	14.9	
	190	—	—	—	16.3	14.9	
	203	—	—	—	15.8	14.9	
	216	—	—	—	15.4	14.7	
	229	—	—	—	—	14.7	
	243	—	—	—	—	14.5	
	256	—	—	—	—	14.5	
144.5 ft	65	43.0	—	—	—	—	
	72	42.3	32.8	—	—	—	
	79	41.6	32.6	—	—	—	
	85	40.8	32.4	22.0	—	—	
	92	39.8	32.1	21.8	—	—	
	98	39.2	31.9	21.6	17.4	—	
	105	38.8	31.7	21.3	17.4	8.8	
	111	38.3	31.5	21.1	17.4	8.8	
	118	37.9	31.3	20.9	17.1	8.8	
	124	—	31.3	20.7	17.1	8.8	
	131	—	31.0	20.5	16.9	8.8	
	138	—	31.0	20.2	16.9	8.8	
	144	—	30.8	20.0	16.7	8.8	
	151	—	30.8	19.8	16.7	8.8	
	157	—	—	19.6	16.5	8.8	
	164	—	—	19.4	16.3	8.8	
	177	—	—	18.9	16.0	8.8	
	190	—	—	18.5	16.0	8.8	
	203	—	—	—	15.8	8.8	
	216	—	—	—	15.6	8.8	
	229	—	—	—	—	8.8	
	243	—	—	—	—	8.8	
	256	—	—	—	—	8.8	
	160.5 ft	65	37.5	—	—	—	—
		72	36.6	—	—	—	—
79		36.3	21.8	—	—	—	
85		35.9	21.8	—	—	—	
92		35.2	21.8	15.2	—	—	
98		34.4	21.8	15.0	8.8	—	
105		33.7	21.8	14.9	8.8	—	
111		33.1	21.8	14.9	8.8	4.4	
118		32.2	21.6	14.9	8.8	4.4	
124		—	21.6	14.7	8.8	4.4	
131		—	21.6	14.7	8.8	4.4	
138		—	21.6	14.7	8.8	4.4	
144		—	21.6	14.7	8.8	4.4	
151		—	21.3	14.7	8.8	4.4	
157		—	—	14.7	8.8	4.4	
164		—	—	14.5	8.8	4.4	
177		—	—	14.5	8.8	4.4	
190		—	—	14.1	8.8	4.4	
203		—	—	—	8.8	4.4	
216		—	—	—	8.8	4.4	
229		—	—	—	—	4.4	
243		—	—	—	—	4.4	
256		—	—	—	—	4.4	
176.5 ft		72	27.7	—	—	—	—
		79	27.5	16.5	—	—	—
	85	27.5	16.5	—	—	—	
	92	27.5	16.5	11.9	—	—	
	98	27.5	16.5	11.9	—	—	
	105	27.5	16.5	11.9	—	—	
	111	27.3	16.5	11.9	—	—	
	118	27.1	16.5	11.9	—	—	
	124	—	16.5	11.9	—	—	
	131	—	16.5	11.9	—	—	
	138	—	16.5	11.8	—	—	
	144	—	16.5	11.6	—	—	
	151	—	16.5	11.4	—	—	
	157	—	16.5	11.2	—	—	
	164	—	—	10.5	—	—	
	177	—	—	10.3	—	—	
	190	—	—	9.4	—	—	

1) Min. weight of hook block 4,000 lb (5 sheaves)
2) Min. weight of hook block 3,100 lb (3 sheaves)
3) max. wind speed 13.3 mph



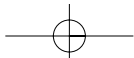


Working ranges luffing fly jib, main boom 82°



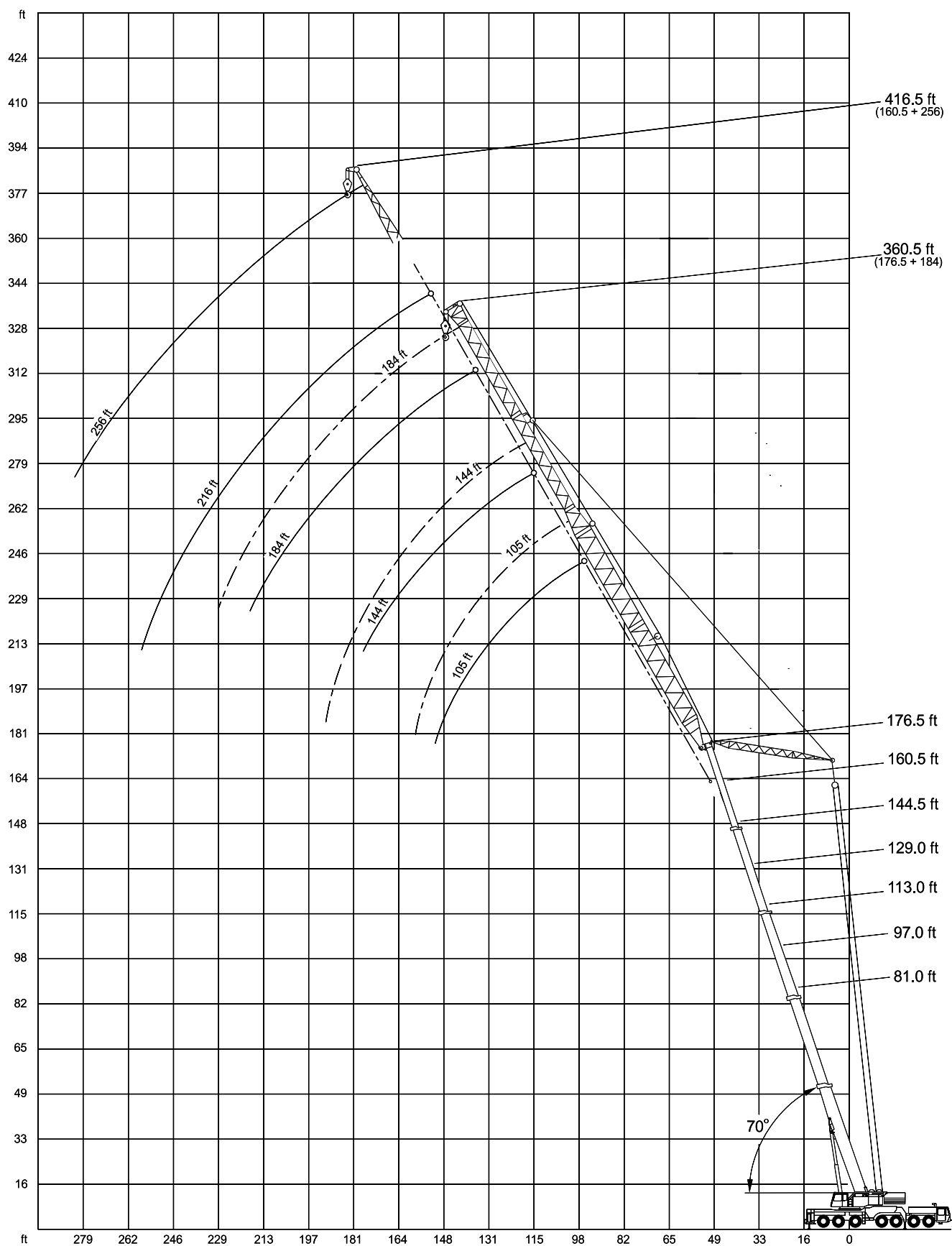
[MAIN MENU](#)

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Working ranges luffing fly jib, main boom 70°

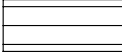


MAIN MENU

CONTENTS

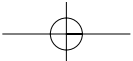


Lifting capacities luffing fly jib, main boom 70° in 1,000 lb

211,500 lb				360°	75 %	
Fly Jib						
Boom	Radius	65 ft ¹⁾	105 ft ²⁾	144 ft	184 ft	216 ft ³⁾ 256 ft ³⁾
81.0 ft	ft	1,000 lb				
	69	113.0	–	–	–	–
	72	106.0	–	–	–	–
	79	95.5	–	–	–	–
	85	87.0	84.0	–	–	–
	92	–	75.5	–	–	–
	98	–	70.5	–	–	–
	105	–	64.5	62.5	–	–
	111	–	60.5	58.3	–	–
	118	–	55.8	54.5	–	–
	124	–	52.6	51.0	38.8	–
	131	–	–	47.5	38.3	–
	138	–	–	44.4	37.9	22.0
	144	–	–	42.0	37.5	21.6
	151	–	–	39.4	37.0	20.9
	157	–	–	37.4	36.2	20.5
	164	–	–	–	34.1	19.8
	177	–	–	–	30.9	18.9
	190	–	–	–	27.8	18.0
	203	–	–	–	–	17.0
216	–	–	–	–	16.1	
97.0 ft	92	–	73.5	–	–	–
	98	–	67.5	–	–	–
	105	–	62.0	–	–	–
	111	–	58.1	53.0	–	–
	118	–	53.6	50.7	–	–
	124	–	50.4	48.9	–	–
	131	–	–	46.1	30.8	–
	138	–	–	43.1	30.8	–
	144	–	–	40.7	30.8	–
	151	–	–	38.3	30.8	20.7
	157	–	–	36.3	30.8	20.5
	164	–	–	34.4	30.8	20.2
177	–	–	–	29.7	19.4	
190	–	–	–	26.9	18.5	
203	–	–	–	24.5	17.6	
216	–	–	–	–	16.7	
229	–	–	–	–	15.9	
113.0 ft	98	–	55.5	–	–	–
	105	–	52.6	–	–	–
	111	–	50.2	–	–	–
	118	–	47.6	41.2	–	–
	124	–	46.0	40.0	–	–
	131	–	44.3	38.6	–	–
	138	–	–	37.4	24.8	–
	144	–	–	36.2	24.4	17.8
	151	–	–	34.8	24.0	17.8
	157	–	–	34.0	23.8	17.8
	164	–	–	32.2	23.3	17.6
	177	–	–	–	22.7	17.2
	190	–	–	–	22.0	16.9
	203	–	–	–	21.6	16.7
	216	–	–	–	–	16.3
	229	–	–	–	–	15.8
243	–	–	–	–	15.2	
256	–	–	–	–	14.5	
269	–	–	–	–	13.2	

211,500 lb					360°	75 %
Fly Jib						
Boom	Radius	105 ft ²⁾	144 ft	184 ft	216 ft ³⁾	256 ft ³⁾
129.0 ft	ft			1,000 lb		
	105	43.2	—	—	—	—
	111	41.5	—	—	—	—
	118	40.1	—	—	—	—
	124	38.7	35.4	—	—	—
	131	37.0	33.9	—	—	—
	138	35.6	32.5	—	—	—
	144	—	31.5	24.2	—	—
	151	—	30.4	23.5	—	—
	157	—	29.4	22.9	16.3	—
	164	—	28.2	22.4	16.3	—
	177	—	26.4	21.6	16.0	—
	190	—	—	20.7	16.0	12.3
	203	—	—	19.8	15.8	12.3
	216	—	—	—	15.8	12.3
	229	—	—	—	15.6	12.3
243	—	—	—	15.4	12.3	
256	—	—	—	—	12.3	
269	—	—	—	—	12.3	
282	—	—	—	—	11.4	
144.5 ft	111	32.1	—	—	—	—
	118	32.1	—	—	—	—
	124	31.0	—	—	—	—
	131	29.5	—	—	—	—
	138	28.4	27.5	—	—	—
	144	27.3	26.5	—	—	—
	151	—	25.5	21.8	—	—
	157	—	24.7	21.2	—	—
	164	—	24.0	20.5	—	—
	177	—	22.5	19.4	15.2	—
	190	—	—	18.3	14.7	7.9
	203	—	—	17.4	14.5	7.9
	216	—	—	16.3	14.1	7.9
	229	—	—	—	13.9	7.9
	243	—	—	—	13.6	7.9
	256	—	—	—	—	7.9
269	—	—	—	—	7.9	
282	—	—	—	—	7.9	
160.5 ft	124	29.2	—	—	—	—
	131	28.0	—	—	—	—
	138	27.0	21.1	—	—	—
	144	26.0	20.3	—	—	—
	151	25.1	19.8	—	—	—
	157	—	19.2	13.8	—	—
	164	—	18.7	13.8	—	—
	177	—	17.6	13.6	7.7	—
	190	—	—	13.4	7.7	4.4
	203	—	—	13.2	7.7	4.4
	216	—	—	15.5	7.7	4.4
	229	—	—	—	7.7	4.4
	243	—	—	—	7.7	4.4
	256	—	—	—	7.7	4.4
	269	—	—	—	—	4.4
	282	—	—	—	—	4.4
176.5 ft	131	24.2	—	—	—	—
	138	23.5	—	—	—	—
	144	22.9	14.3	—	—	—
	151	22.4	14.3	—	—	—
	157	21.8	14.3	—	—	—
	164	—	14.3	7.7	—	—
	177	—	14.3	7.7	—	—
	190	—	14.3	7.7	—	—
	203	—	—	7.7	—	—
	216	—	—	7.7	—	—
229	—	—	7.7	—	—	

1) Min. weight of hook block 4,000 lb (5 sheaves)
2) Min. weight of hook block 3,100 lb (3 sheaves)
3) max. wind speed 13.3 mph





Technical description



Carrier	
Drive/ Steering :	14 x6 x12.
Frame:	Demag-built special main frame, fabricated from high-grade fine-grain structural steel, with central pot to accommodate front outriggers.
Outriggers :	Four hydraulic outriggers with telescopic beams and jack legs, permitting continuous rotation.
Engine	Daimler-Benz M442 LA water-cooled 8 cylinder Diesel Engine. Output to DN: 405 kW Fuel-tank capacity: 158 gallons.
Transmission:	ZF automatic
Axles:	Drive axles: 2, 3, 6. Steering axles: 1-4, 6+7, all axles hydro-pneumatically suspended and hydraulically lockable.
Wheels and tires:	14 disk-type wheels; 17.5 R25 tires, plus one spare.
Steering :	Dual-circuit semiblock mechanical steering with hydraulic booster.
Brakes	to E standard s.
Electrical equipment	24-volt system.
Cab:	Rubber-mounted low-line chrome-manganese steel cab.
Superstructure	
Engine	Daimler-Benz M366 LA water-cooled 6-cylinder Diesel Engine. Output to DN: 171 kW Fuel-tank capacity: 79 gallons.
Hydraulic system :	Two variable-displacement axial-piston pumps with automatic power control and one fixed-displacement pump enable the operator to engage three motions at the same time). One fixed-displacement pump for low-pressure service control.
Hoist 1:	Variable-displacement axial-piston motor with planetary reduction, spring-loaded multiple-disk brake, hoist rope.
Hoist 2:	Variable-displacement axial-piston motor with planetary reduction, spring-loaded multiple-disk brake, hoist rope.
Slewing	Axial-piston hydraulic motor with planetary reduction. Foot-pedal operated service brake and spring-loaded holding brake.
Boom elevation :	Two differential cylinders with pilot-controlled lowering brake valve.
Control :	Electric pilot control by two 4-position self-centering hand levers.
Cranes	Spacious all-steel comfortable cab with sliding door, large folding-out windshield, and armoured glass roof window controls and instrumentation for all crane movements, working light. Water-type heater, operation self-contained or engine-dependent, with engine preheating and 7-day programmable timer, thermostat controlled. Windshield washer and intermittent control wiper.
Main boom:	Five-section telescopic boom, fabricated from high-grade dose-grained structural steel, featuring the familiar DEAG "ovaloid" design, telescoping with partial load, with diagonal self-centering plastic shoes. Boomhead designed to accommodate boom extension, fixed and luffing flyjib.
Counterweight :	211,500 lb, divided.
Safety devices	Standard: electronic safe load indicator with digital read-out for hook load, rated load, boom length, boom angle, load radius; monitoring devices to assist in troubleshooting; analog display to indicate the crane utilization; limit switches on hoist and lowering motions, pressure-relief and safety holding valves.
Optional Equipment	
Drive/ Steering :	14 x8 x12, additional drive of axle 7.
Superlift attachment	The Superlift attachment is a means to increase the lifting capacity of the normal crane. It essentially consists of the boom-suspension mast with guyropes, which provides for an automatic rope-length adjustment for boom telescoping, and a 57,500 lb Superlift counterweight. The suspension mast is lowered to the main boom when not needed, or for road transport. The Superlift mast is guyed by bars which fold automatically into transport position when lowered.
Fold-away jib	39 - 62 ft lattice-type folding jib; offsettable 0° and 20°.
Fixed fly jib :	Non-folding fixed fly jib of 26 - 177 ft length, using components of the luffing fly jib (20° offset).
Luffing fly jib :	65 - 256 ft length, with luffing mast, guybars, electrical equipment, and safety devices (the 2nd hoist is required when using the luffing fly jib).
Additional counterweight	57,500 lb, attachable to standard counterweight, hydraulic assembly and disassembly without an auxiliary crane.
Additional leg :	For special duties on 49 ft main boom.
Heavy-lift attachment	Possibility of additional reeving on boomhead for duties up to 506,000 lb. Possibility of additional reeving on boomhead for duties up to 880,000 lb.
Rooster sheave	Sheave folds to side of boomhead.
Auxiliary reeving winch	
Air craft warning light	
Anemometer	

