



Nationwide Crane Rental and Heavy Haul

(800) 572-8100 or (248) 313-5800

www.laramiecrane.com

DEMAG

Material Handling Equipment

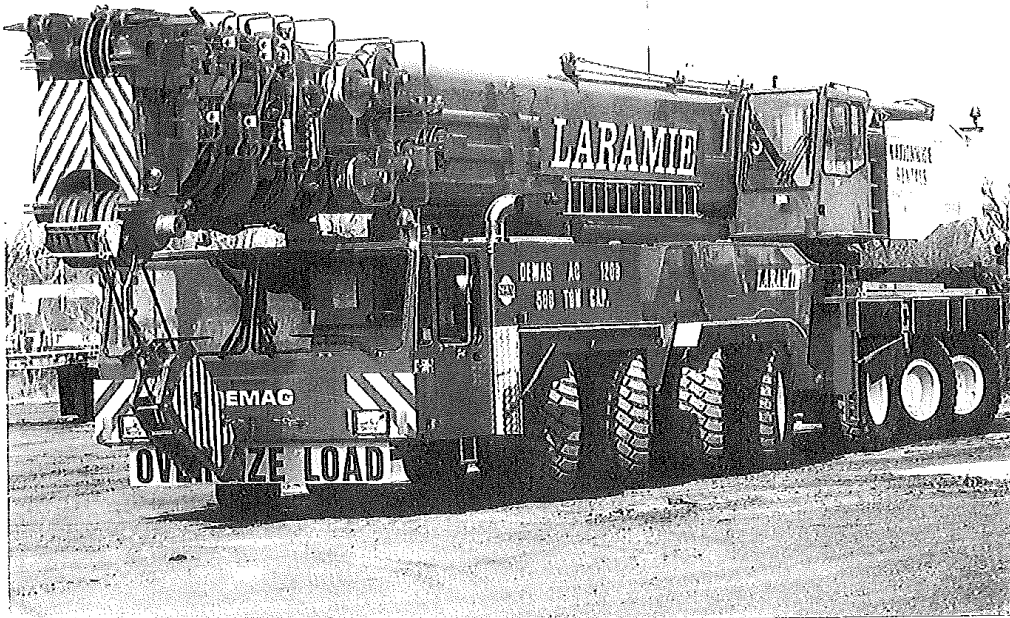
Mobile Cranes

LARAMIE

SINCE 1917

EQUIPMENT COMPANY

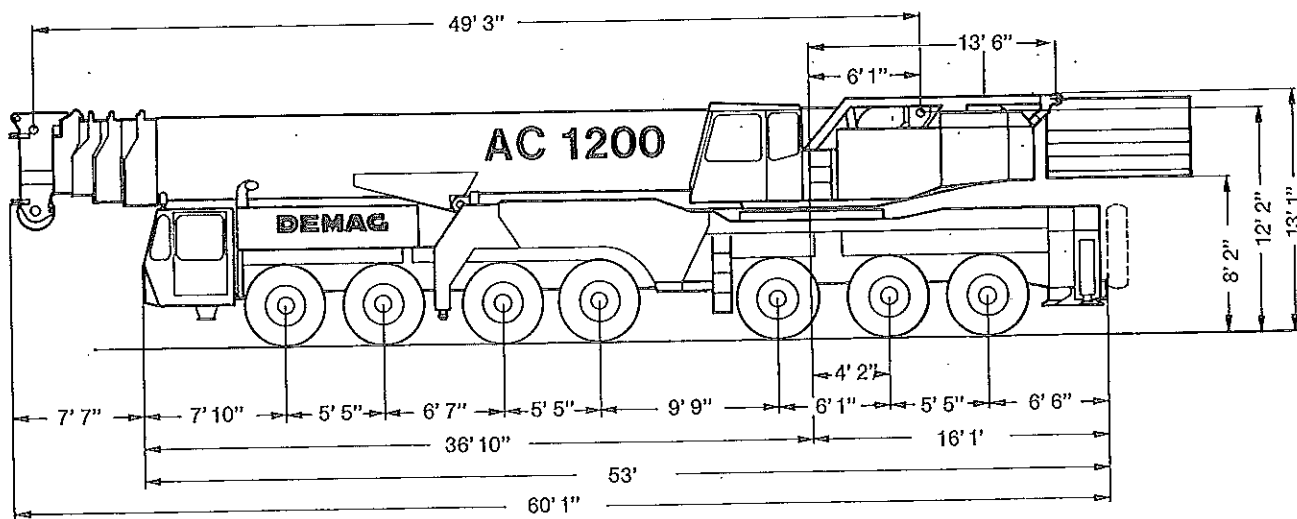
Demag AC 1200



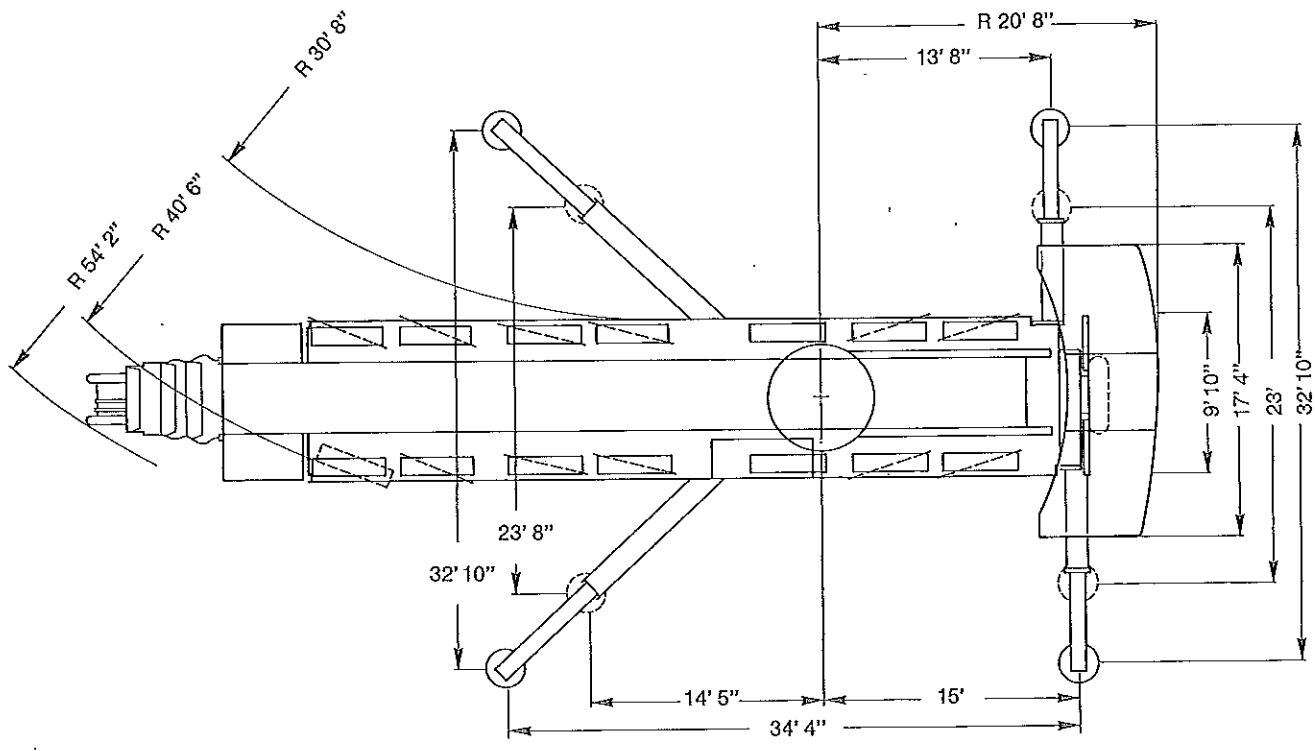
WARNING!

The provided information is for reference purposes only and should not be used to operate the crane. The crane's specific operator's manual should be consulted and understood prior to crane operation.

Dimensions



Dimensions



*) Duties with reduced outrigger base upon request



UNIT NO. HT-500-1
SERIAL NO. 79028

EQUIPMENT SPECIFICATIONS FOR:

HYDRAULIC TRUCK CRANES

MAKE: DEMAG MODEL: AC-1200 YEAR: 1997
ENGINE MAKE & MODEL: MERCEDES OM366LA MERCEDES OM442LA

BELT REPLACEMENT: FAN UPPER _____ LOWER _____
ALT. UPPER _____ LOWER _____
P/S UPPER _____ LOWER _____
AIR UPPER _____ LOWER _____

STARTER UPPER _____ LOWER _____
ALTERNATOR UPPER _____ LOWER _____
FUEL PUMP UPPER _____ LOWER _____
BATTERIES UPPER (2) 8D LOW PRO LOWER (2) 8D LOW PRO

FLUID CAPACITIES: FUEL UPPER 79 GALS. LOWER 158 GALS.
OIL UPPER 5.62 GALS. 15W 40 LOWER 10 GALS. 15W 40
COOLANT UPPER 10.57 GALS. LOWER 29.40 GALS.
HYD. OIL UPPER 423 GALS. LOWER 110.9 GALS.
PLANITARY .90 GALS. 85W-140 REAR ENDS 5.5 GALS. 85W-140
TRANSMISSION 13.10 GALS. HEAVY DUTY CC20W-20
MAIN HOIST 1.85 GALS. MO. 629 SWING BOX 2.77 GALS. MOBIL 629
AUX HOIST 1.85 GALS. MO. 629

FILTER REPLACEMENT: OIL UPPER P550315 LOWER P550041
FUEL UPPER P550860 OR 33112 LOWER (2) P550861 OR 33112
COOLANT UPPER _____ LOWER _____
AIR UPPER P771561 OR 46554 LOWER P181049 OR 42546
HYDRAULIC UPPER _____ LOWER _____
TRANSMISSION _____

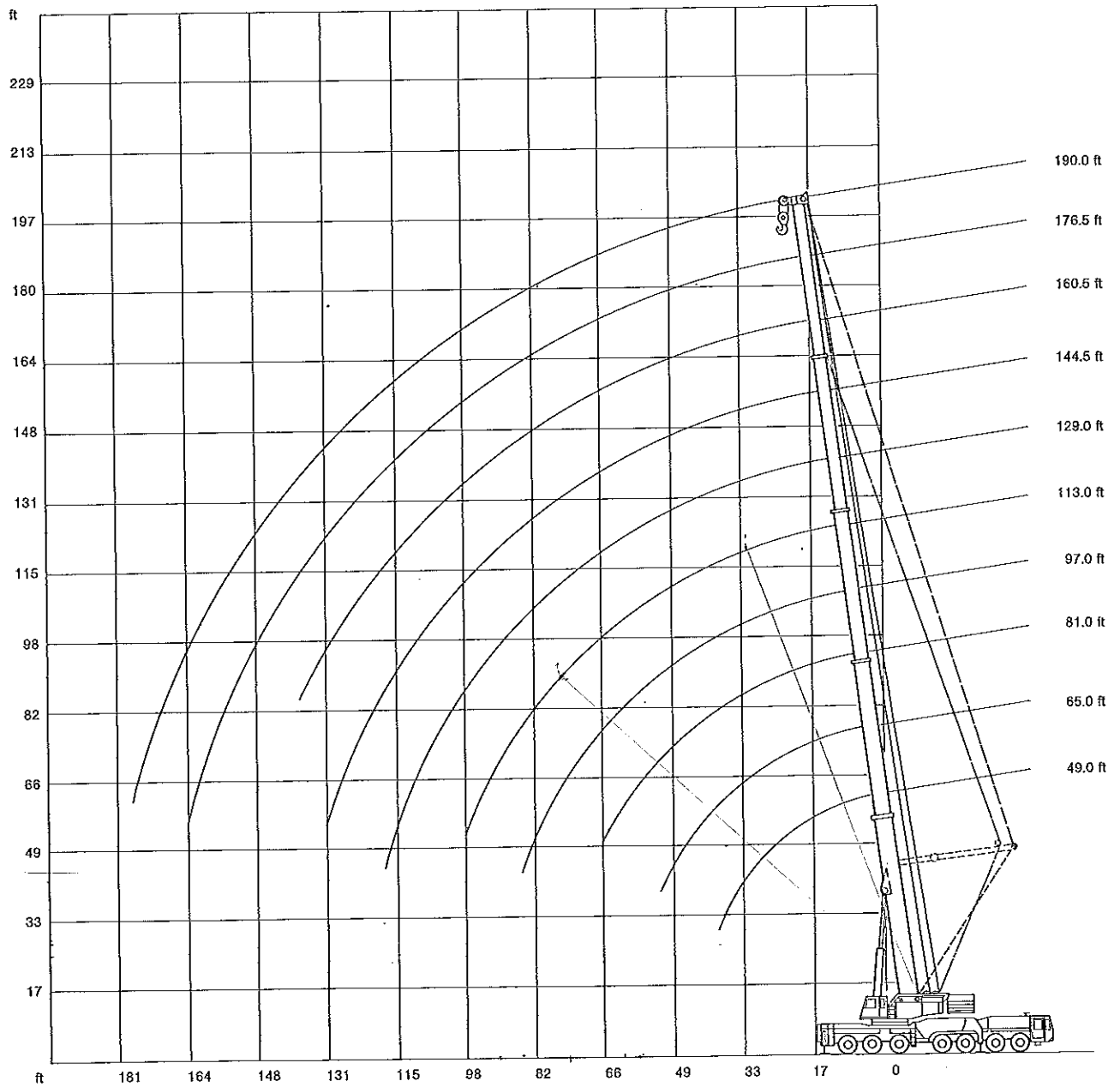
CABLE REPLACEMENT: FRONT DRUM 1551' 24MM ROTATION RESISTANT
REAR DRUM 1378' 24MM ROTATION RESISTANT
CABLE WT. 1.85 LBS. PER FT.
LINE PULL 25,000 LBS.

TIRE SIZE: 20.5 X 25 BRIDGESTONE

	<u>MAKE</u>	<u>S/N.</u>	<u>CAPACITY</u>	<u>SHEAVES</u>	<u>WEIGHT</u>
LOAD BLOCK:	<u>DEMAG</u>		<u>40 TON</u>	<u>1</u>	<u>1760 LBS</u>
LOAD BLOCK:	<u>DEMAG</u>		<u>80 TON</u>	<u>3</u>	<u>2866 LBS</u>
LOAD BLOCK:	<u>DEMAG</u>		<u>250 TON</u>	<u>11</u>	<u>6615 LBS</u>
HEADACHE BALL:	<u>JOHNSON</u>		<u>15 TON</u>	<u>NA</u>	<u>900 LBS</u>

OUTRIGGER MATS: 5' X 8' X 8" STEEL

Working ranges main boom



Lifting capacities main boom with Superlift in 1,000 lb


269,000 lb  **360°** **85%**

Radius ft	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	116.5	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

* with heavy-lift attachment

Lifting capacities main boom with Superint in 1,000 lb

211,500 lb  **360°** **85%**

Radius ft	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	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

* with heavy-lift attachment

Lifting capacities main boom in 1,000 lb

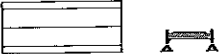
269,000 lb  **360°** **85%**

Radius ft	Main boom												
	49.0 ft	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	1,000.0 ²⁾	--	--	--	--	--	--	--	--	--	--	--	--
10	869.0 ^{**1)}	600.0 ^{**}	--	--	--	--	--	--	--	--	--	--	--
11	788.0 ^{**1)}	574.0 ^{**}	569.0 ^{**}	--	--	--	--	--	--	--	--	--	--
13	668.0 ^{**1)}	523.0 ^{**}	521.0 ^{**}	--	--	--	--	--	--	--	--	--	--
15	587.0 ^{**1)}	484.0 ^{**}	480.0 ^{**}	--	--	--	--	--	--	--	--	--	--
16	553.0 ^{**1)}	466.0 ^{**}	463.0 [*]	401.0 [*]	300.0	343.0 [*]	--	--	--	--	--	--	--
19	470.0 ^{*1)}	418.0 [*]	416.0 [*]	368.0 [*]	276.0	329.0 [*]	253.0	255.0	--	--	--	--	--
23	365.0 [*]	365.0 [*]	363.0 [*]	325.0 [*]	248.0	306.0	229.0	242.0	209.0	--	--	--	--
26	335.0 [*]	335.0 [*]	333.0 [*]	297.0	232.0	284.0	212.0	230.0	201.0	167.0	--	--	--
29	308.0	308.0	306.0	282.0	216.0	267.0	200.0	218.0	189.5	159.5	135.0	--	--
33	276.0	276.0	274.0	254.0	195.0	241.0	181.0	204.0	175.5	149.0	128.5	102.0	--
39	240.0	240.0	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	194.5	145.0	187.0	133.0	162.5	134.0	121.0	109.0	92.5	79.0
52	--	--	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	90	45	90	45	90	90	90	90	90	100
Tele 2	0	0	0	45	45	45	90	45	45	90	90	90	90	100
Tele 3	0	0	0	0	0	45	0	45	45	45	90	90	90	100
Tele 4	0	0	0	0	0	0	0	45	45	45	45	90	90	100

1) with add. outrigger and double hook block
 2) static test load only
 * with heavy-lift attachment
 ** with heavy-lift attachment and double hook block

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	<u>238.0</u>	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	-	<u>172.5</u>	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	-	-	<u>124.0</u>	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	-	-	-	<u>63.5</u>	<u>82.0</u>	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	-	-	-	-	-	<u>57.8</u>	<u>68.5</u>	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	-	-	-	-	-	-	-	-	<u>39.7</u>	39.7	38.6	34.4
138	-	-	-	-	-	-	-	-	-	<u>37.4</u>	36.3	32.1
144	-	-	-	-	-	-	-	-	-	-	34.2	30.9
151	-	-	-	-	-	-	-	-	-	-	32.1	29.0
157	-	-	-	-	-	-	-	-	-	-	<u>30.5</u>	27.6
164	-	-	-	-	-	-	-	-	-	-	-	<u>26.4</u>

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

* with heavy-lift attachment
 ** with heavy-lift attachment and double hook block

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	90	100
Tele 2	0	0	45	45	45	90	45	45	45	90	90	90	100
Tele 3	0	0	0	0	45	0	45	45	45	45	90	90	100
Tele 4	0	0	0	0	0	0	45	45	45	45	90	90	100

* with heavy-lift attachment

**with heavy-lift attachment and double hook block

Lifting capacities main boom in 1,000 lb

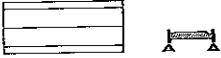
97,500 lb  **360°** **85%**

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	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	90	100
Tele 2	0	0	45	45	45	90	45	45	90	90	90	90	100
Tele 3	0	0	0	0	45	0	45	45	45	90	90	90	100
Tele 4	0	0	0	0	0	0	45	45	45	45	90	90	100

* with heavy-lift attachment
 **with heavy-lift attachment and double hook block

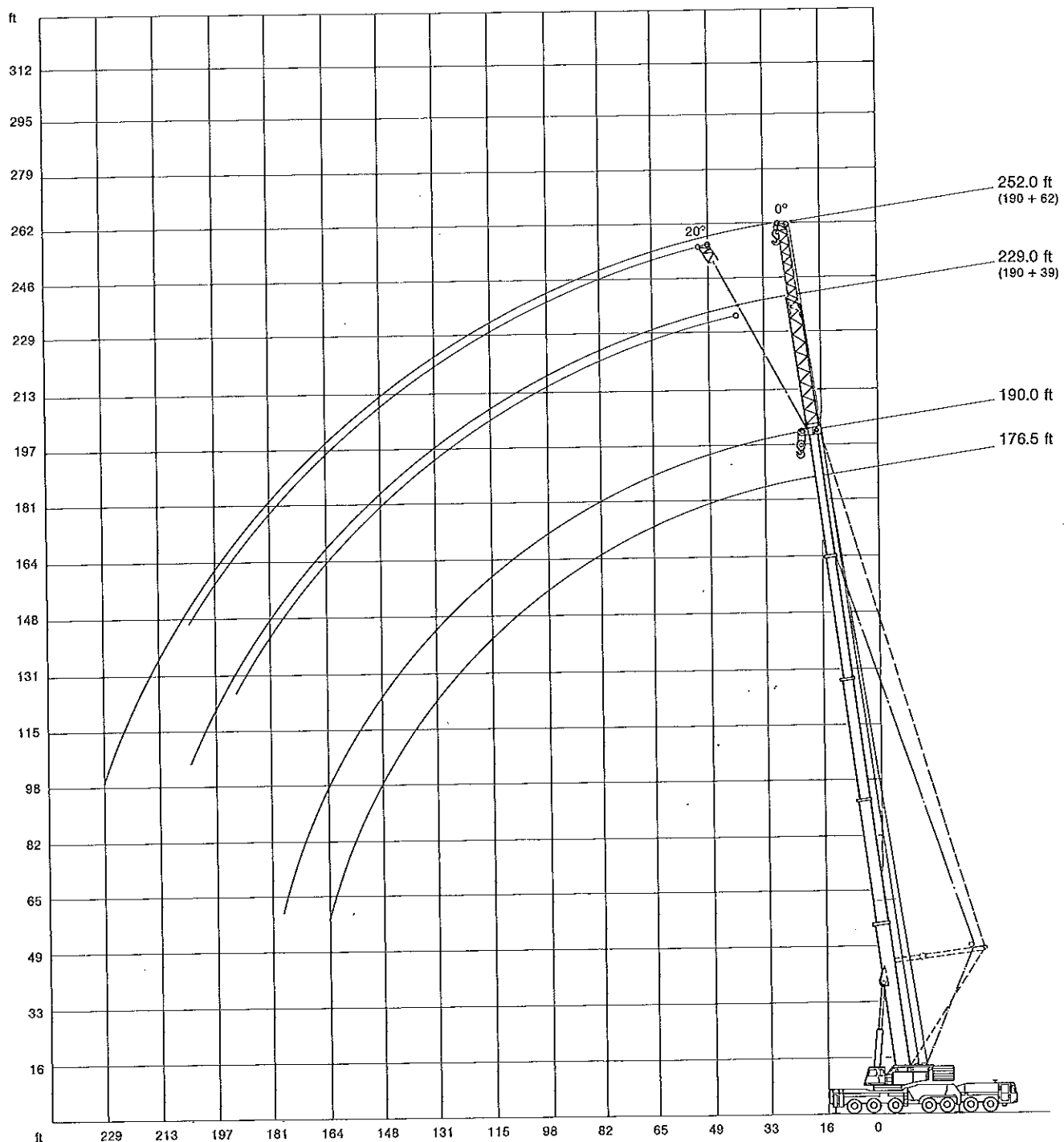
Lifting capacities main boom in 1,000 lb

0 lb				360°		85%	
Radius ft	Main boom					%	
	49.0 ft	65.0 ft	81.0 ft 1,000 lb	97.0 ft	113.0 ft		
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	90	
Tele 2	0	0	45	45	90	90	
Tele 3	0	0	0	0	0	0	
Tele 4	0	0	0	0	0	0	

* with heavy-lift attachment


** with heavy-lift attachment and double hook block

Working ranges main boom extension



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

Main boom: 176.5 ft

269,000 lb  **360°** **85%**

Radius ft	Extension			
	39 ft		62 ft	
	0°	20°	0°	20°
	1,000 lb			
39	45.8	--	--	--
46	45.8	--	35.2	--
52	45.8	45.5	34.6	--
59	45.8	44.1	33.9	--
65	45.8	42.8	33.3	26.2
72	45.8	41.6	32.6	25.5
79	45.8	40.5	31.9	24.8
85	45.8	39.7	31.3	24.2
92	45.8	39.0	30.6	23.5
98	45.8	38.4	30.2	23.1
105	45.8	37.6	29.5	22.7
111	45.8	37.2	28.9	22.3
118	44.9	36.8	28.4	21.8
124	43.9	36.4	27.8	21.6
131	42.8	35.9	27.3	21.3
138	41.8	35.4	26.6	21.1
144	40.8	35.0	26.2	20.7
151	39.6	34.8	25.7	20.5
157	38.6	34.4	25.3	20.2
164	36.8	33.7	24.9	20.0
177	31.3	28.5	24.2	19.8
190	26.5	--	23.3	19.6
203	--	--	22.5	19.4
216	--	--	21.0	--

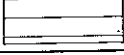
211,500 lb  **360°** **85%**

Radius ft	Extension			
	39 ft		62 ft	
	0°	20°	0°	20°
	1,000 lb			
39	45.8	--	--	--
46	45.8	--	35.2	--
52	45.8	45.5	34.6	--
59	45.8	44.1	33.9	--
65	45.8	42.8	33.3	26.2
72	45.8	41.6	32.6	25.5
79	45.8	40.5	31.9	24.8
85	45.8	39.7	31.3	24.2
92	45.8	39.0	30.6	23.5
98	45.8	38.4	30.2	23.1
105	45.8	37.6	29.5	22.7
111	45.8	37.2	28.9	22.3
118	44.9	36.8	28.4	21.8
124	43.9	36.4	27.8	21.6
131	42.8	35.9	27.3	21.3
138	41.8	35.4	26.6	21.1
144	40.8	35.0	26.2	20.7
151	39.6	34.8	25.7	20.5
157	38.6	34.4	25.3	20.2
164	36.8	33.7	24.9	20.0
177	31.3	28.5	24.2	19.8
190	26.5	--	23.3	19.6
203	--	--	22.5	19.4
216	--	--	21.0	--

Main boom: 190.0 ft

269,000 lb  **360°** **85%**


Radius ft	Extension			
	39 ft		62 ft	
	0°	20°	0°	20°
	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	38.1	32.6	25.1	20.2
144	37.5	32.4	24.7	20.0
151	36.5	32.1	24.2	20.0
157	35.9	31.9	24.0	19.8
164	35.2	31.9	23.8	19.6
177	31.1	28.4	23.1	19.1
190	26.3	24.1	22.5	18.9
203	22.3	--	22.0	18.7
216	--	--	21.4	--
229	--	--	17.4	--

211,500 lb  **360°** **85%**

Radius ft	Extension			
	39 ft		62 ft	
	0°	20°	0°	20°
	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

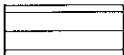
Main boom: 190.0 ft

211,500 lb  **360°** **85%**

Radius ft	Extension			
	39 ft		62 ft	
	0°	20°	0°	20°
	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	21.3	20.9	15.8	14.9
157	20.3	20.1	15.4	14.9
164	19.1	19.1	14.9	14.7
177	17.0	17.6	14.1	13.9
190	15.2	-	13.4	13.4
203	13.2	-	12.8	12.5
216	-	-	11.9	-
229	-	-	11.0	-

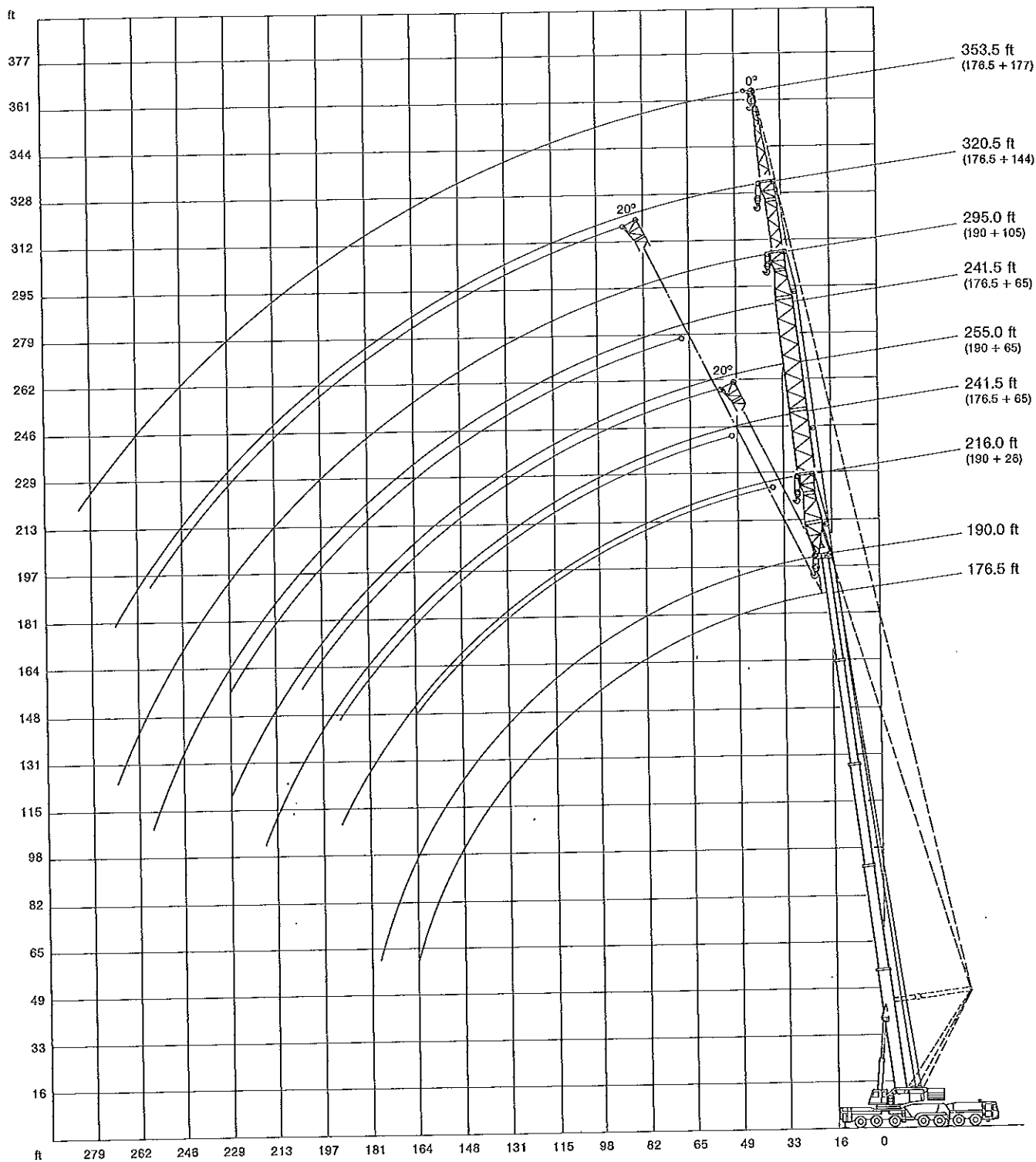
154,000 lb  **360°** **85%**

Radius ft	Extension			
	39 ft		62 ft	
	0°	20°	0°	20°
	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 ft	Extension			
	39 ft		62 ft	
	0°	20°	0°	20°
	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 fixed fly jib




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

Main boom: 176.5 ft

269,000 lb  **360°** **85%**

Radius ft	Extension							
	65 ft		105 ft		144 ft		177 ft ¹⁾	
	0°	20°	0°	20°	0°	20°	0°	20°
	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	31.3	31.5	22.0	20.7	16.7	14.1	12.1	--
157	30.8	31.1	21.6	20.3	16.3	13.7	11.7	--
164	30.2	30.6	21.1	19.8	15.8	13.2	11.2	--
177	29.3	29.7	20.2	19.1	15.0	12.1	10.5	--
190	27.5	28.9	19.6	18.5	14.3	11.4	9.9	--
203	23.7	--	18.9	18.0	13.6	10.6	9.2	--
216	17.4	--	18.5	17.6	12.8	9.9	8.4	--
229	--	--	17.8	17.2	12.1	9.2	7.9	--
243	--	--	14.4	--	11.2	8.8	7.2	--
256	--	--	8.7	--	10.7	8.3	6.6	--
269	--	--	--	--	10.3	--	6.1	--
282	--	--	--	--	--	--	5.5	--


1) max. wind speed 13.3 mph

211,500 lb  **360°** **85%**


Radius ft	Extension							
	65 ft		105 ft		144 ft		177 ft ¹⁾	
	0°	20°	0°	20°	0°	20°	0°	20°
	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 ft	Extension				
	26 ft		65 ft		105 ft
	0°	20°	0°	20°	0°
	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	46.7	47.4	29.1	29.6	20.3
131	46.3	46.9	28.6	29.1	20.0
138	45.1	46.2	28.2	28.4	19.6
144	44.3	45.0	28.0	28.0	19.4
151	41.8	42.5	27.5	27.5	18.9
157	38.8	39.6	27.3	27.3	18.7
164	35.2	36.1	26.8	26.8	18.3
177	29.8	-	26.2	26.2	17.8
190	24.1	-	24.0	24.9	17.2
203	-	-	20.4	21.7	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 ft	Extension				
	26 ft		65 ft		105 ft
	0°	20°	0°	20°	0°
	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 jib in 1,000 lb

Main boom: 176.5 ft

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	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	17.4	17.6	12.7	12.1	8.3	8.8	5.7	-
177	15.8	16.3	11.4	11.2	7.7	7.9	5.2	-
190	14.3	15.0	10.6	10.3	6.8	7.2	4.8	-
203	12.8	13.7	9.7	9.7	5.9	6.8	4.2	-
216	11.5	-	8.6	8.8	5.3	6.2	3.7	-
229	-	-	7.7	8.1	4.2	5.5	3.3	-
243	-	-	6.8	-	3.7	5.0	2.6	-
256	-	-	5.7	-	2.8	4.6	-	-
269	-	-	-	-	3.9	-	-	-

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	17.4	17.6	12.7	12.1	8.3	8.8	5.7	-
177	15.8	16.3	11.4	11.2	7.7	7.9	5.2	-
190	14.3	15.0	10.6	10.3	6.8	7.2	4.8	-
203	12.8	13.7	9.7	9.7	5.9	6.8	4.2	-
216	11.5	-	8.6	8.8	5.3	6.2	3.7	-
229	-	-	7.7	8.1	4.2	5.5	3.3	-
243	-	-	6.8	-	3.7	5.0	2.6	-
256	-	-	5.7	-	2.8	4.6	-	-
269	-	-	-	-	3.9	-	-	-


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

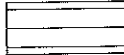
Main boom: 190.0 ft

211,500 lb  **360°** **85%**

Radius ft	Extension				
	26 ft		65 ft		105 ft
	0°	20°	0°	20°	0°
	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	25.3	18.4	18.2	12.1
144	23.2	23.8	17.6	17.6	11.7
151	21.5	22.4	16.9	16.9	11.2
157	20.1	21.2	16.3	16.3	10.8
164	18.5	19.8	15.6	15.6	10.3
177	15.6	17.2	14.3	14.3	9.7
190	13.0	--	13.0	13.0	8.8
203	--	--	11.9	11.9	7.9
216	--	--	10.6	--	7.0
229	--	--	9.5	--	6.2
243	--	--	--	--	5.2
256	--	--	--	--	3.9

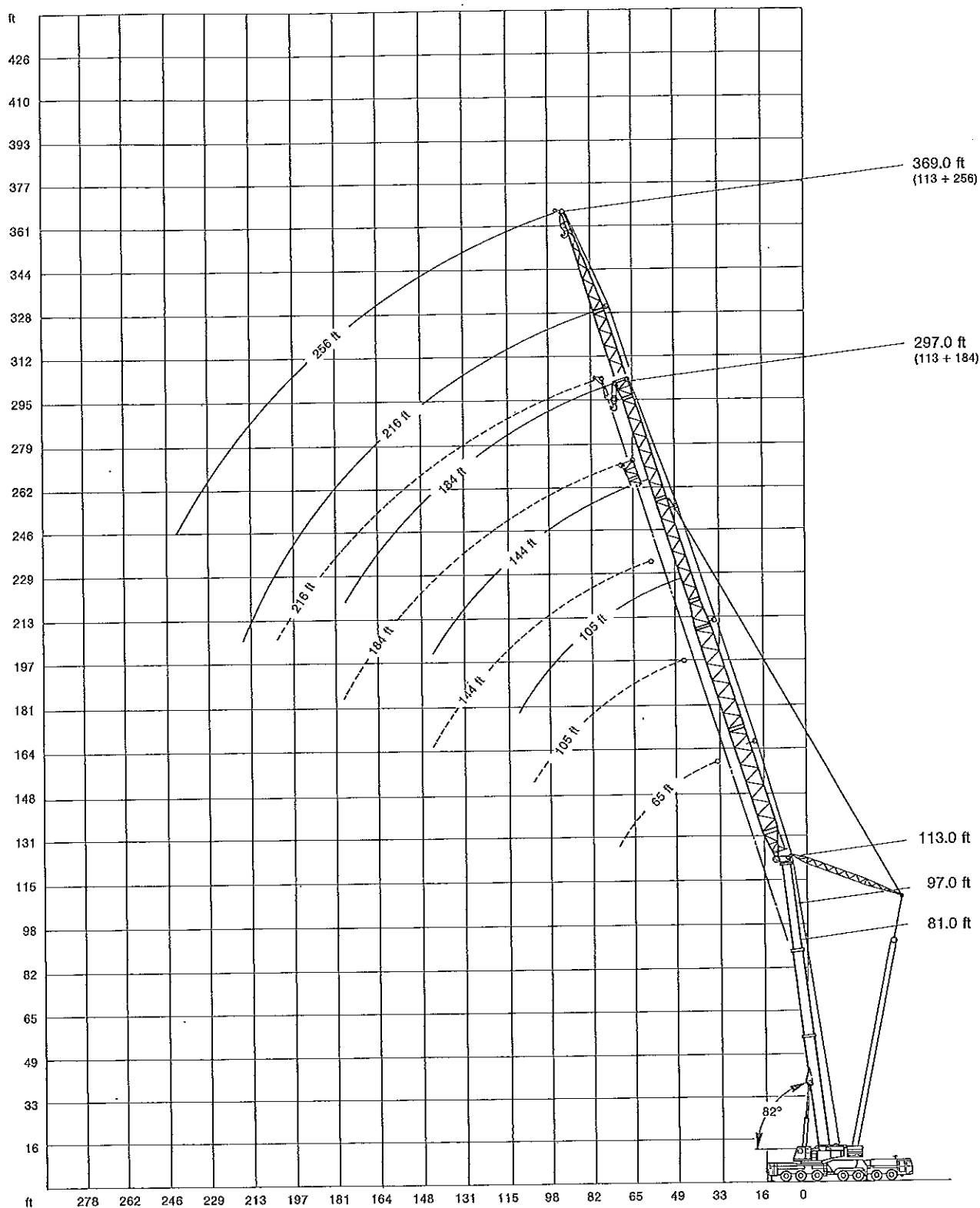
154,000 lb  **360°** **85%**

Radius ft	Extension				
	26 ft		65 ft		105 ft
	0°	20°	0°	20°	0°
	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

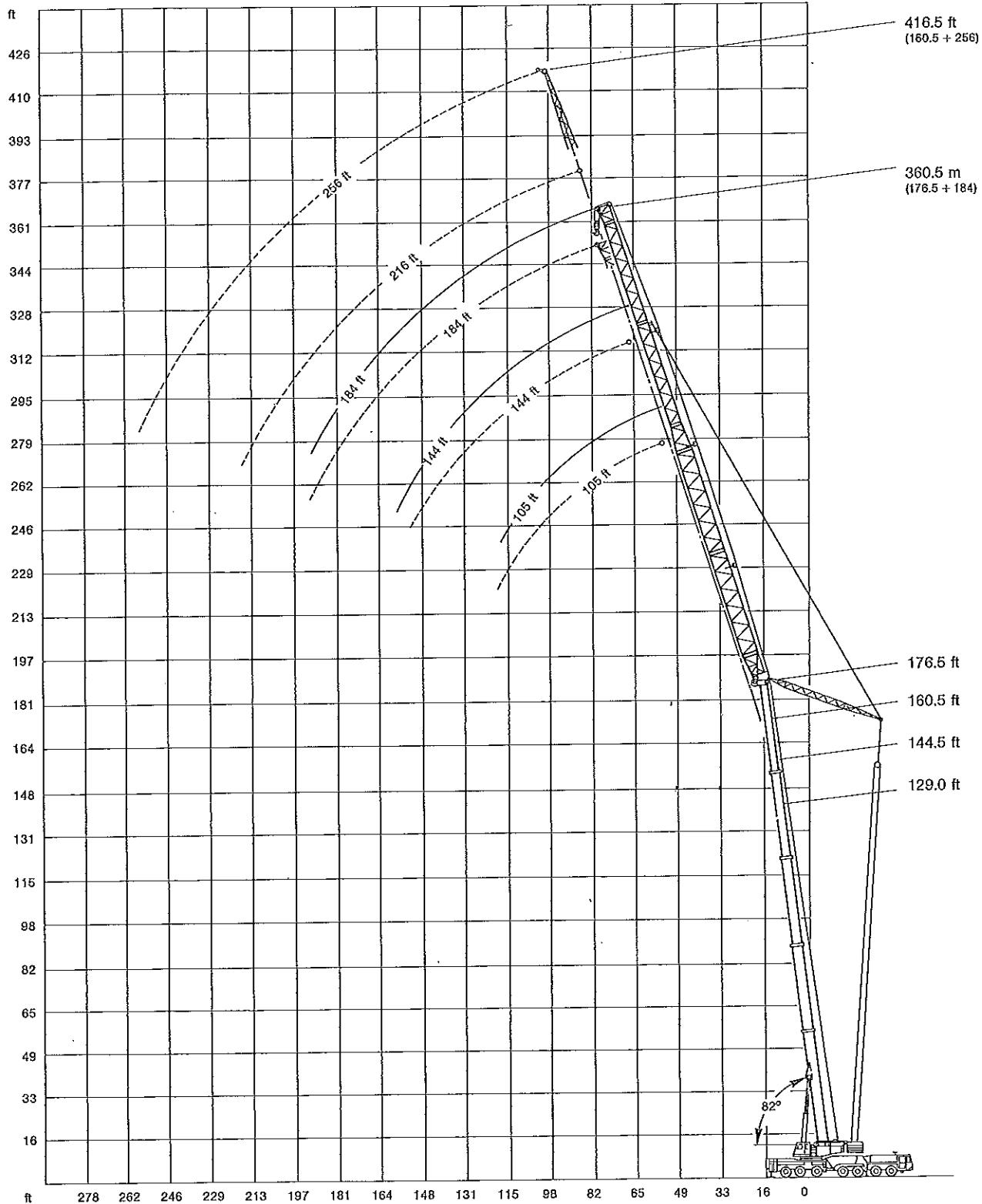
97,000 lb  **360°** **85%**

Radius ft	Extension				
	26 ft		65 ft		105 ft
	0°	20°	0°	20°	0°
	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	--

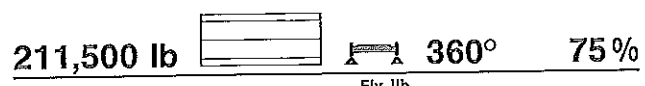
Working ranges luffing fly jib, main boom 82°



Working ranges turning fly jib, main boom 82°

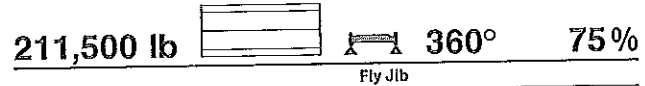


Lifting capacities luffing fly jib, main boom 82° in 1,000 lb



Boom	Radius	Fly Jib				
		65 ft ¹⁾	105 ft ²⁾	144 ft	184 ft	216 ft ³⁾
	ft	1,000 lb				
42	177.0	-	-	-	-	-
46	177.0	119.0	-	-	-	-
52	158.0	118.0	-	-	-	-
59	136.5	116.5	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	38.8	23.2	-
131	-	-	52.9	37.7	22.2	-
138	-	-	47.8	37.0	21.3	-
144	-	-	40.9	36.4	20.6	-
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	-
59	-	101.0	-	-	-	-
65	-	101.0	83.0	-	-	-
72	-	100.0	82.5	-	-	-
79	-	95.0	81.5	37.8	-	-
85	-	89.5	81.0	37.0	28.2	-
92	-	83.5	80.0	36.3	27.0	-
98	-	77.5	79.9	35.7	26.2	-
105	-	70.5	79.0	35.2	25.1	-
111	-	-	78.0	34.8	24.3	-
118	-	-	77.1	34.3	23.1	-
124	-	-	76.1	33.9	22.3	-
131	-	-	72.5	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	-
59	-	74.6	-	-	-	-
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

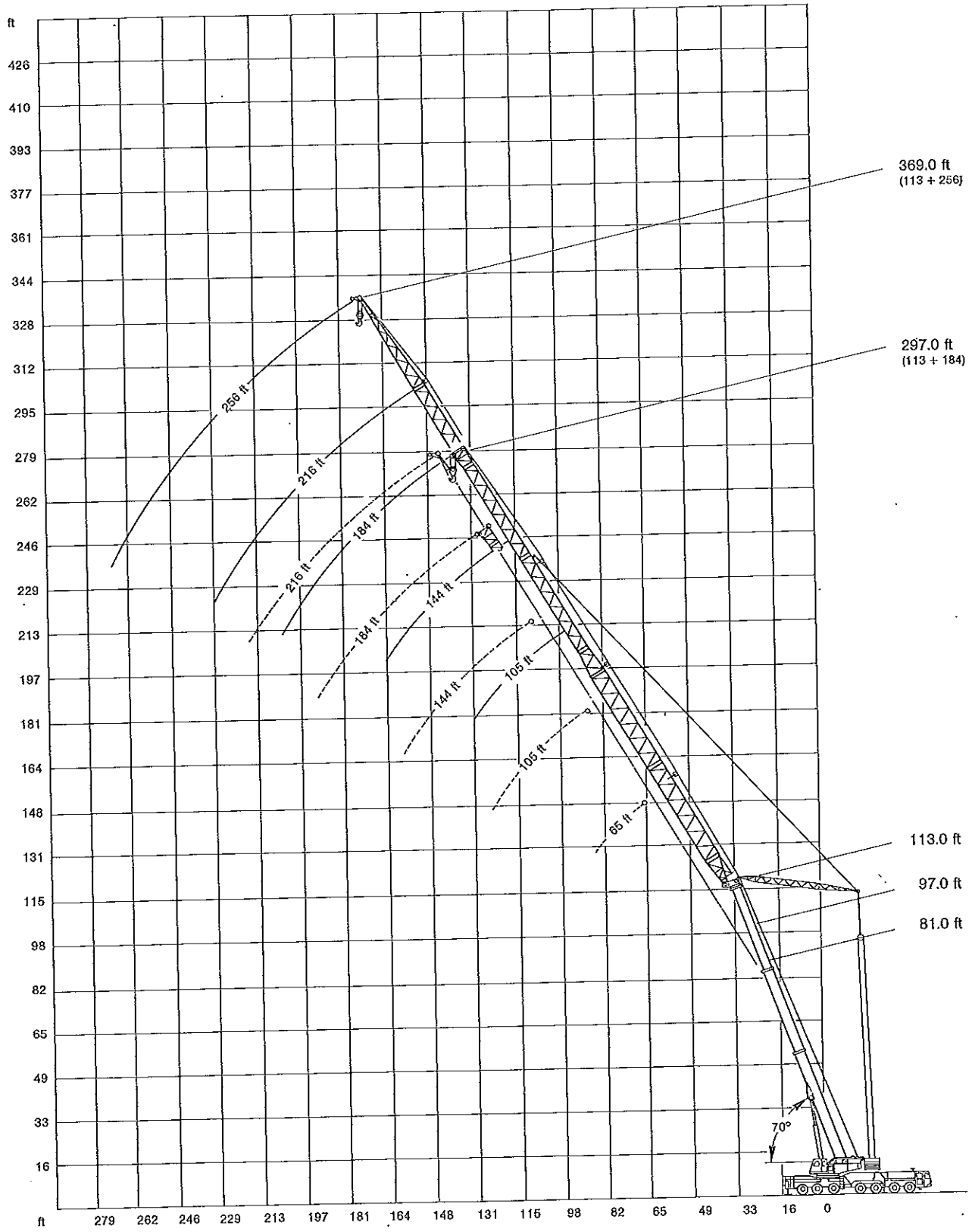
Boom extension sequence	%			
Boom	Tele 1	Tele 2	Tele 3	Tele 4
81.0 ft	45	45	0	0
97.0 ft	45	45	45	0
113.0 ft	90	90	0	0
129.0 ft	90	90	45	0
144.5 ft	90	90	90	0
160.5 ft	90	90	90	45
176.5 ft	90	90	90	90



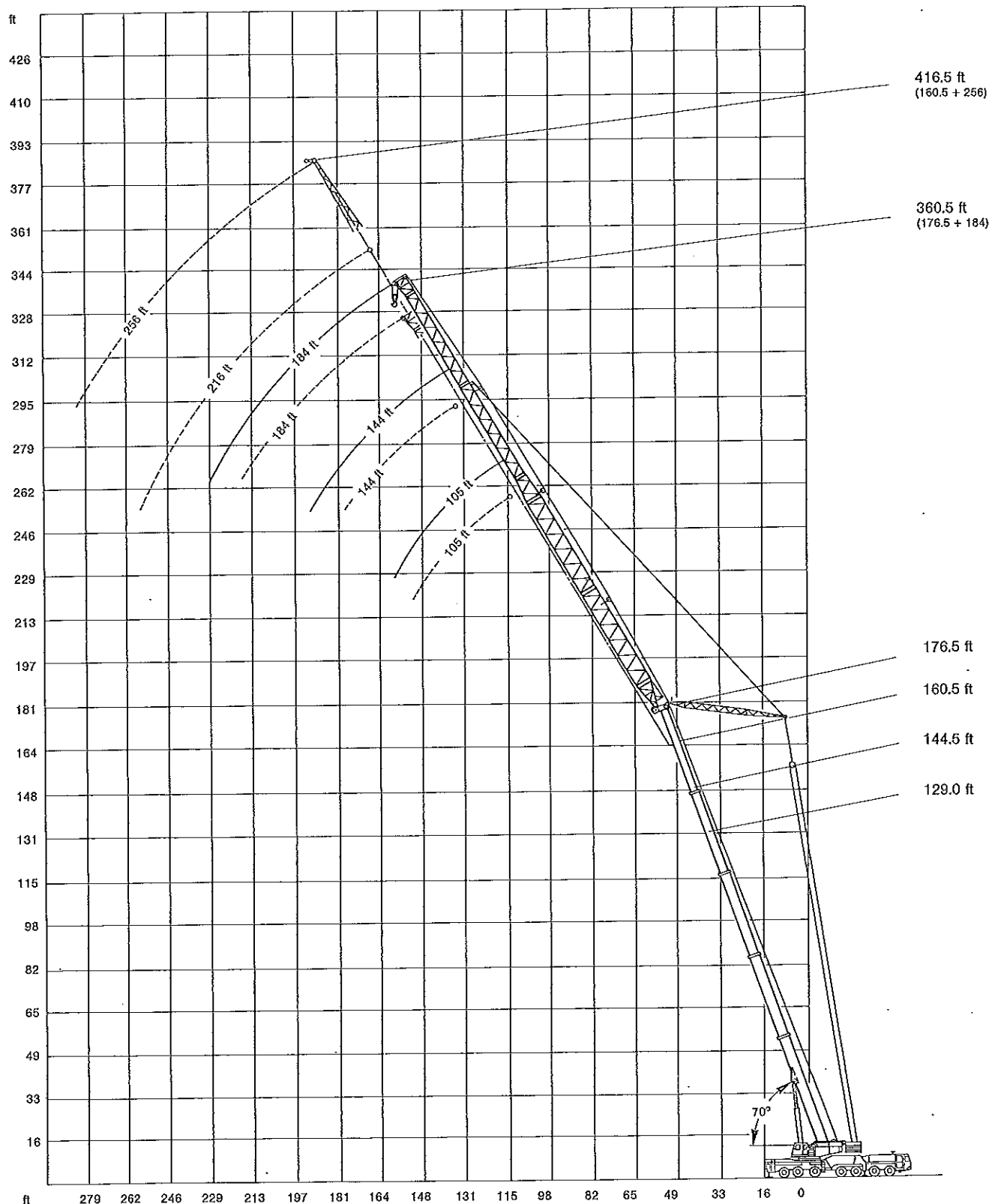
Boom	Radius	Fly Jib				
		105 ft ²⁾	144 ft	184 ft	216 ft ³⁾	256 ft ³⁾
	ft	1,000 lb				
59	64.0	-	-	-	-	-
65	62.5	-	-	-	-	-
72	60.5	45.6	-	-	-	-
79	59.2	45.3	-	-	-	-
85	57.8	44.7	29.3	-	-	-
92	56.4	44.0	29.0	23.1	-	-
98	55.2	43.2	28.8	22.3	15.4	-
105	53.7	42.3	28.4	21.6	15.4	-
111	52.5	41.3	28.2	20.9	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	-
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	-
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	-
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 3,960 lb (5 sheaves)
 2) Min. weight of hook block 3,080 lb (3 sheaves)
 3) max. wind speed 13.3 mph

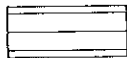
Working ranges luffing jib, main boom 70°



Working ranges lifting fly jib, main boom 70°

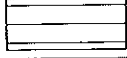


Lifting capacities luffing fly jib, main boom 70° in 1,000 lb

211,500 lb  **360°** **75%**

Boom	Fly Jib						
	Radius	65 ft ¹⁾	105 ft ²⁾	144 ft	184 ft	216 ft ³⁾	256 ft ³⁾
	ft	1,000 lb					
81.0 ft	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	--
	97.0 ft	164	--	--	34.1	19.8	--
177		--	--	30.9	18.9	--	--
190		--	--	27.8	18.0	--	--
203		--	--	--	17.0	--	--
216		--	--	--	16.1	--	--
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	--	
113.0 ft	177	--	--	29.7	19.4	--	--
	190	--	--	26.9	18.5	--	--
	203	--	--	24.5	17.6	--	--
	216	--	--	--	16.7	--	--
	229	--	--	--	15.9	--	--
	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	23.6	17.8	--
	164	--	--	32.2	23.3	17.6	--
177	--	--	--	22.7	17.2	15.6	
190	--	--	--	22.0	16.9	15.6	
203	--	--	--	21.6	16.7	15.4	
216	--	--	--	--	16.3	15.4	
229	--	--	--	--	15.8	15.2	
243	--	--	--	--	--	15.2	
256	--	--	--	--	--	14.5	
269	--	--	--	--	--	13.2	

Boom extension sequence					%
Boom	Tele 1	Tele 2	Tele 3	Tele 4	
81.0 ft	45	45	0	0	
97.0 ft	45	45	45	0	
113.0 ft	90	90	0	0	
129.0 ft	90	90	45	0	
144.5 ft	90	90	90	0	
160.5 ft	90	90	90	45	
176.5 ft	90	90	90	90	

211,500 lb  **360°** **75%**

Boom	Fly Jib						
	Radius	105 ft ²⁾	144 ft	184 ft	216 ft ³⁾	256 ft ³⁾	
	ft	1,000 lb					
129.0 ft	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	7	19.2	13.8	--	--	
	164	--	18.7	13.8	--	--	
	177	--	17.8	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 3,960 lb (5 sheaves)
- 2) Min. weight of hook block 3,080 lb (3 sheaves)
- 3) max. wind speed 13.3 mph

Carrier

Drive/Steering:	14 x 6 x 12.
Frame:	Demag-built special main frame, fabricated from high-grade close-grained structural steel, with central pot to accommodate front outriggers.
Outriggers:	Four hydraulic outriggers with telescopic beams and jack legs, for 360° continuous rotation.
Engine:	Daimler-Benz OM 443 LA water-cooled 10 cylinder Diesel Engine. Output to DIN: 412 kW (560 HP). Fuel-tank capacity: 158 gallons.
Transmission:	ZF-Transmatic.
Axles:	Drive axles: 2, 3, 6. Steering axles: 1-4, 6+7, all axles hydro-pneumatically suspended and hydraulically blockable.
Wheels and tires:	14 disk-type wheels; 22/65 R 25 tires, plus one spare.
Steering:	Dual-circuit semiblock mechanical steering with hydraulic booster.
Brakes:	to EC standards.
Electrical equipment:	24-volt system.
Cab:	Rubber-mounted low-line three-man steel cab.

Superstructure

Engine:	Daimler-Benz OM 366 LA water-cooled 6-cylinder Diesel Engine. Output to DIN: 151 kW (205 HP). 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 servo-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.
Crane cab:	Spacious all-steel comfortable cab with sliding door, large folding-out windscreen, 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 close-grained structural steel, featuring the familiar DEMAG »ovaloid« design, telescoping with partial load, with diagonal self-centering plastic shoes. Boom head designed to accommodate boom extension, fixed and luffing fly jib.
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 trouble shooting; analog display to indicate the capacity utilization; limit switches on hoist and lowering motions, pressure-relief and safety holding valves.

Other Equipment

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 guy ropes, 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.
Fixed fly jib:	Non-folding fixed fly jib of 26 – 177 ft length, using components of the luffing fly jib (0° and 20° offset).
Luffing fly jib:	65 – 256 ft length, with luffing mast, guy bars, 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.
Rooster sheave:	Sheave folds to side of boom head.
Auxiliary reeving winch	
Anemometer	

Notes to lifting capacity

Ratings do not exceed 85%/75% of tipping load. 75% ratings are in compliance with DIN 15019.2 (test load=1.25x suspended load + 0.1xdead 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.

All capacities above the parting line are based on structural competence. Capacities below the parting line are based on machine stability.

Crane operation is subject to computer charts, only!

For crane operation, consult operation manual first.