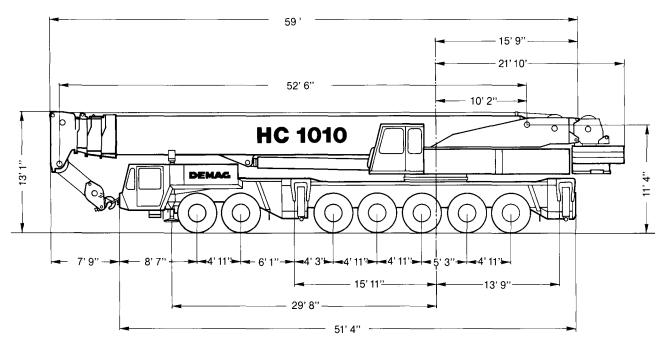
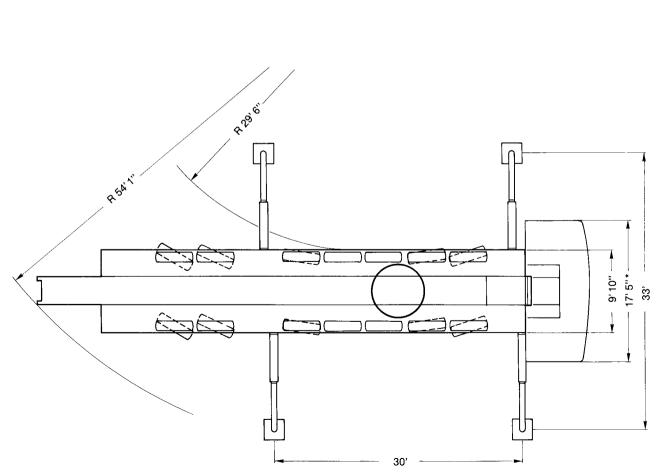
Dimensions



Dimensions



Specifications

Axle loads

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

Working speeds (infinitely variable)

Units	Line speed	Max. permissible line pull ¹)	Length of hoist rope	
Main hoist	max. 607 ft/min	111 kN	1,214 ft	
Second hoist	max. 607 ft/min	111 kN	1,214 ft	ļ
Slewing		max. 1 rpm		
Telescoping speed			52 – 171 ft: 120 s	
Boom elevation			-2° - +84°: 95 s	

Carrier performance

Travel speed		0 40 mph

Hook Block/Single Line Hook

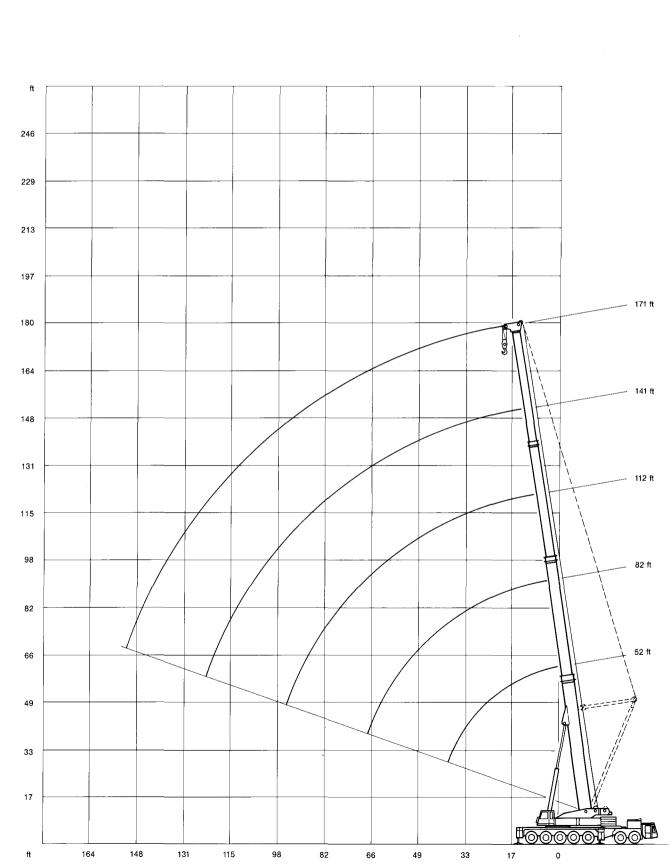
Possible loa	.d ²)		Number of sheaves	Number of Lines	Weight	"D"	
max.	85%	75%					_
726,000 lb	726,000 lb	660,000 lb	13*	27	6,600 lb	8' 2"	_ (·)
484,000 lb	440,000 lb	391,000 lb	8	16	3,960 lb	8' 2"	
220,000 lb	193,000 lb	171,600 lb	3	7	2,530 lb	8' 2"	D (2) / ,
88,000 lb	81,400 lb	72,600 lb	_1	3	1,672 lb	8' 2''	T-22
27,500 lb	24,200 lb	22,000 lb	Single Line Hook	1	770 lb	6' 7''	

^{*)} with heavy-lift attachment at boom head

¹⁾ varies depending on national regulations

²⁾ varies depending on line pull permissible under different national regulations

Working range main boom



155,000 lb		360°			85%			
Radius		Main boom						
ft	52.0 △	82.0	112.0	141.0	171.0			
ft	''		1,000 lb					
9	880.0***	_	-	_	_			
9	727.0**	_	_	_	_			
10	650.0**	_	_		_			
11	606.0**	_	_	_	-			
13	562.0**	_	_		_			
15	524.0**	_	_	_	_			
16	498.0**	_		_	_			
20	407.0*	313.0*	229.0*	165.0	_			
23	341.0	293.0*	212.0	159.0				
26	291.0	271.0	202.0	147.0	_			
29	264.0	251.0	194.0	136.0	_			
33	244.0	235.0	185.0	126.0	90.4			
39	202.0	197.0	168.0	109.0	88.6			
46	_	164.0	154.0	98.1	84.7			
52		142.0	141.0	87.0	79.3			
59	_	124.0	124.0	78.2	73.6			
66	_	106.9	106.0	70.5	67.2			
72	_	_	91.5	65.7	62.3			
79	_	_	<u>81.5</u>	60.4	57.3			
85	_		71.6	56.4	53.3			
92	_	_	62.8	50.7	48.5			
98		_	56.2	47.4	46.3			
105	_	_	_	44.1	43.0			
112	-	_	_	42.3	40.7			
118	_	-	-	<u>39.6</u>	38.5			
125	_	_	_	37.4	35.2			
131	_	_		_	33.0			
138	_	_	_	_	30.8			
144	-	_	_	_	28.6			
151	_	_	_		26.4			

[△] without SL-suspension

^{*** 880,000} lb at 9' radius represents max. static test load only

only over rear or 90° over side (heavy-lift attachment) with heavy-lift attachment

141,000 lb 🛭		360°			85%
Radius			Main boom		
ft	52.0 △	82.0	112.0	141.0	171.0
ft			1,000 lb		
9	727.0**	•••	_	-	_
11	595.0**	-	_	_	_
13	562.0**	_		_	_
15	524.0**	_	_	-	_
16	498.0**	<u> </u>	_	_	_
20	407.0*	313.0*	229.0*	165.0	_
23	341.0	293.0*	212.0	159.0	_
26	291.0	271.0	202.0	147.0	_
29	262.0	251.0	194.0	136.0	_
33	231.0	229.0	185.0	126.0	90.4
39	<u>187.0</u>	184.0	168.0	109.0	88.6
46	_	152.0	154.0	98.1	84.7
52	_	129.0	133.0	87.0	79.3
59	_	112.0	114.0	78.2	73.6
66	_	93.9	98.3	70.5	67.2
72	_	-	84.6	65.7	62.3
79	_	-	73.6	60.4	57.3
85	_	_	64.5	56.4	53.3
92	_	-	57.3	50.7	48.5
98	_	-	51.1	47.4	46.3
105	_	-	-	44.0	42.9
112	_	-	<u>-</u>	41.2	40.7
118	_	-	_	37.2	37.2
125	_	_	-	33.5	33.5
131	_	_	-		29.9
138	_				26.8
144	_		=		24.4
151		_	_		22.0

 $[\]Delta$ without SL-suspension

^{**} only over rear or 90° over side (heavy-lift attachment)* with heavy-lift attachment

110,000 lb		360°			85%
Radius			Main boom		
ft	52.0 △	82.0	112.0	141.0	171.0
ft			1,000 lb		
9	727.0**	_	-	-	_
11	595.0**	_	_	-	_
13	549.0**	_	_	<u>-</u>	_
15	511.0**	_	_	-	_
16	487.0**	-	-	_	_
20	394.0*	313.0*	229.0*	165.0	_
23	330.0	293.0*	212.0	159.0	
26	282.0	271.0	202.0	147.0	_
29	247.0	244.0	194.0	136.0	-
33	218.0	217.0	185.0	126.0	90.4
39	<u>176.0</u>	160.0	168.0	109.0	88.6
46	_	<u>142.0</u>	<u>146.0</u>	98.1	84.7
52	_	114.0	119.0	87.0	79.3
59	-	94.1	99.7	78.2	73.6
66	_	78.9	83.3	70.5	67.2
72	_	-	71.2	65.7	62.3
79	_		61.7	<u>60.4</u>	57.3
85	_	_	53.8	54.2	<u>53.3</u>
92	-	_	47.4	47.6	47.8
98	_	-	42.1	42.1	42.3
105		-	-	37.4	37.6
112	-	-	-	33.2	33.5
118	-	-	-	29.7	29.9
125	_		_	26.6	26.6
131	-		-	-	23.5
138	-	_	-	-	20.9

17.4 16.3

144

151

[△] without SL-suspension

only over rear or 90° over side (heavy-lift attachment) with heavy-lift attachment

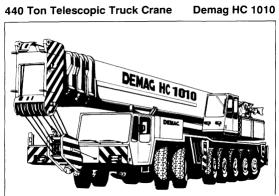
80,000 lb		360°			85%
Radius			Main boom		
ft	52.0 △	82.0	112.0	141.0	171.0
ft			1,000 lb		
11	573.0**	_	_		_
13	548.0**	_	_		_
15	511.0**	_	_	_	-
16	451.0*	=	_	-	
20	363.0	313.0*	229.0*	165.0	_
23	304.0	293.0*	212.0	159.0	_
26	260.0	258.0	202.0	147.0	-
29	227.0	224.0	194.0	136.0	_
33	201.0	197.0	185.0	126.0	90.4
39	162.0	<u>157.0</u>	162.0	109.0	88.6
46	-	121.0	126.0	98.1	84.7
52	_	95.9	101.0	87.0	79.3
59	_	77.8	82.8	<u>78.2</u>	73.6
66		64.5	69.2	69.2	67.2
72			58.6	58.6	58.6
79		-	50.4	50.4	50.4
85	_	_	43.4	43.4	43.4
92		_	37.9	37.9	37.9
98	_	=	33.0	33.0	33.0
105		_	-	28.6	28.6
112			_	24.9	24.9
118	_	_	_	21.6	21.6
125	_	_	_	18.9	18.9
131	<u>-</u>	_	_	_	16.0
138	_	_	-	_	13.8
144	_	_	_		11.7

9.7

151

 $[\]triangle \ \ \text{without SL-suspension}$

only over rear or 90° over side (heavy-lift attachment) special equipment required



110,000 lb		360°	-		85%
Radius			Main boom		
ft	52.0	82.0 ¹)	112.0 ¹)	141.0¹)	171.0 ²)
ft	<u>_</u>		1,000 lb		
9	727.0**	_	_	_	-
11	639.0**	_	_	_	_
13	595.0**	363.0*	-	_	_
15	549.0**	350.0*	_	_	_
16	487.0**	335.0*	238.0*	_	_
20	394.0*	306.0	222.0*	150.0	-
23	330.0	284.0	205.0	143.0	84.8
26	282.0	262.0	189.0	133.0	84.8
29	247.0	247.0	174.0	123.0	84.8
33	218.0	216.0	159.0	114.0	84.8
39	176.0	174.0	140.0	99.2	82.6
46	_	143.0	121.0	88.1	74.9
52	-	117.0	108.0	78.2	67.2
59	_	95.9	97.0	69.4	60.6
66	_	81.1	84.8	61.7	55.1
72	_	_	72.7	57.3	49.6
79	_	_	63.0	51.8	45.2
85	_	<u> </u>	55.3	48.5	40.7
92	_	_	48.9	43.0	37.4
98	_	_	43.4	39.6	33.0
105	_		_	35.2	30.8
112	_	_	-	34.1	28.6
118	_	-	_	30.4	26.4
125	_	-	-	27.5	23.1
131	_	-	_	-	20.9
138	_	-	-	-	18.7
144	_	-	-		15.4
151	_		-		13.2

¹⁾ only one telescope unpinned, max. load 110,000 lb 2) only one telescope unpinned, max. load 66,000 lb

^{**} only over rear or 90° over side (heavy-lift attachment)

with heavy-lift attachment

80,000 lb		360°			85%
Radius			Main boom		
ft	52.0	82.0¹)	112.01)	141.0¹)	171.0 ²)
ft			1,000 lb		
9	727.0**	_	_		
11	573.0**	**	_		_
13	549.0**	363.0*	-		_
15	511.0**	350.0*			_
16	452.0*	335.0*	238.0*		
20	363.0	306.0	222.0*	150.0	
23	304.0	284.0	205.0	143.0	84.8
26	260.0	258.0	189.0	133.0	84.8
29	229.0	225.0	174.0	123.0	84.8
33	201.0	198.0	159.0	114.0	84.8
39	<u>162.0</u>	159.0	140.0	99.2	82.6
46		<u>121.0</u>	<u>121.0</u>	88.1	74.9
52		96.1	101.0	78.2	67.2
59		78.7	82.9	69.4	60.6
66	_	65.4	69.4	61.7	55.1
72	_	-	59.0	<u>57.3</u>	49.6
79			50.7	50.7	45.2
85		-	44.0	44.0	40.7
92		**	38.5	38.5	<u>37.4</u>
98	_	-	33.7	33.5	33.0
105	_	_	-	29.3	29.1
112	_		_	25.2	25.3
118	-	_		22.2	22.0
125	_		_	19.4	19.2
131		_			16.7
138	-	<u>-</u>		-	14.5
144		_	-	_	12.5
151		-	_	-	10.8

only one telescope unpinned, max. load 110,000 lb
 only one telescope unpinned, max. load 66,000 lb

^{**} only over rear or 90° over side (heavy-lift attachment)
* with heavy-lift attachment

Radius		360°			85%		
iladius		Main boom					
ft	52.0	82.0 ¹)	112.01)	141.0 ¹)	171.02)		
ft			1,000 lb				
11	474.0*	_	-	-	_		
13	474.0*	363.0*	-	_	_		
15	471.0*	350.0*	-				
16	419.0*	335.0*	238.0*	-	-		
20	337.0	306.0	222.0*	150.0	-		
23	280.0	277.0	205.0	143.0	84.8		
26	240.0	238.0	189.0	133.0	84.8		
29	208.0	206.0	174.0	123.0	84.8		
33	184.0	181.0	159.0	114.0	84.8		
39	132.0	127.0	133.0	99.2	82.6		
46	_	96.1	101.0	88.1	74.9		
52	_	75.4	80.2	78.2	67.2		
59		61.0	65.0	65.0	60.6		
66	_	50.0	54.0	54.0	54.0		
72	_	_	45.2	45.2	45.2		
79		_	38.8	38.6	38.6		
85	-	_	32.4	32.0	32.0		
92	_	-	27.5	27.5	27.5		
98	_	_	23.5	23.1	23.1		
105	_	_	_	19.4	19.4		
112	_	_	_	16.5	16.3		
118		<u> </u>	_	13.6	13.4		
125	_	_	-	11.4	11.0		
131	_	_		_	8.3		
138	-	_	_	-	6.3		
144	_	_	_	_	4.4		

2.8

151

¹⁾ only one telescope unpinned, max. load 110,000 lb 2) only one telescope unpinned, max. load 66,000 lb

^{&#}x27;) only one telescope unpinned, max. load 66,000 ib ' with heavy-lift attachment

19,000 lb		360°			85%		
Radius		Main boom					
ft	52.0	82.01)	112.0 ¹)	141.0 ¹)	171.02)		
ft			1,000 lb				
11	474.0*	_	_	_	-		
13	463.0*	363.0*	_	_	_		
15	432.0*	350.0*	_	_	_		
16	379.0*	335.0*	238.0*	_	_		
20	306.0	302.0	222.0*	150.0	_		
23	253.0	251.0	205.0	143.0	84.8		
26	<u>218.0</u>	215.0	189.0	133.0	84.8		
29	177.0	172.0	<u>174.0</u>	123.0	84.8		
33	142.0	138.0	145.0	114.0	84.8		
39	100.0	96.1	101.0	99.2	82.6		
46	_	71.2	76.0	76.0	74.0		
52		54.4	59.0	59.0	57.0		
59		42.1	46.7	46.7	45.1		
66	_	32.6	37.2	37.2	36.1		
72		_	29.7	29.7	21.1		
79		-	25.3	25.3	25.3		
85	_	-	18.9	18.9	18.9		

15.2

11.9

15.0

11.7

8.8

6.3

4.4

15.0

11.7

8.8

6.3

4.1

92

98

105

112

118

¹⁾ only one telescope unpinned, max. load 110,000 lb 2) only one telescope unpinned, max. load 66,000 lb

with heavy-lift attachment

0 lb	 				85%		
		Main boom					
ft	52.0	82.01)	112.0¹)	141.0¹)	171.0 ²)		
ft	<u> </u>		1,000 lb				
11	441.0*	_	_	_	_		
13	425.0*	363.0*	_	_	_		
15	405.0*	350.0*	-				
16	359.0	335.0*	238.0*	_	=		
20	289.0	286.0	222.0*	150.0	_		
23	240.0	238.0	205.0	143.0	84.8		
26	189.0	187.0	<u>189.0</u>	133.0	84.8		
29	145.0	142.0	149.0	123.0	84.8		
33	114.0	113.0	119.0	114.0	84.8		
39	79.3	77.1	82.8	82.8	76.2		
46	_	52.9	59.5	59.0	54.6		
52	_	38.5	44.0	44.3	40.7		
59	_	28.8	34.1	34.1	31.0		
66	_	21.1	25.7	25.7	23.8		
72		-	19.6	19.6	18.2		
79	_	_	14.7	14.7	13.8		
85	-	-	10.1	10.5	10.1		
92	_	_	6.6	6.8	6.8		
98	_	_	3.7	3.7	3.9		

only one telescope unpinned, max. load 110,000 lb
 only one telescope unpinned, max. load 66,000 lb
 with heavy-lift attachment

Notes to lifting capacity

Lifting capacities do not exceed 85% of tipping load.

Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Crane operation is permissible up to a

32 ft/s

wind speed of

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 subject to computer charts, only!

For crane operation consult operation manual first!

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

Main boom: 171 ft

131

138

144

151

157

164

177

190

203

22.7

20.0

18.0

16.3

14.8

12.8

18.3

17.0

15.8

15.0

14.1

13.2

9.7

110,000	lb		<u></u>	360°	85%	80,000	lb			360°	85%
,			Extension			<u> </u>			Extensio		
·	3	39 ft		6	6 ft			39 ft		6	6 ft
Radius	0°	15°		0°	15°	Radius	0°	15°		0°	15°
ft			1,000 lb			ft			1,000 lb		
39	49.6	_		26.5	_	39	49.6	_		26.5	_
46	49.6	36.6		25.1	-	46	49.6	36.6		25.1	_
52	48.5	34.6		24.5	19.8	52	48.5	34.6		24.5	19.8
59	46.9	32.6		23.3	18.0	59	46.9	32.6		23.3	18.0
66	45.0	31.5		22.5	18.3	66	45.0	31.5		22.5	18.3
72	42.5	29.7		21.6	17.6	72	42.5	29.7		21.6	17.6
79	40.3	28.0		20.7	17.0	79	40.3	28.0		20.7	17.0
85	38.3	26.6		19.8	16.1	85	38.3	26.6		19.8	16.1
92	35.7	25.1		19.2	15.6	92	35.7	25.1		19.2	15.6
98	33.0	23.8		18.5	15.2	98	33.0	23.8		18.5	15.2
105	31.1	22.7		17.4	14.3	105	30.0	22.7		17.4	14.3
112	29.3	21.3		16.7	13.9	112	26.5	21.3		16.7	13.9
118	27.3	20.5		15.8	13.4	118	22.7	20.5		15.8	13.4
125	25.3	19.2		15.4	13.0	125	20.0	19.2		15.4	13.0

14.7

13.9

13.2

12.5

11.9

11.0

10.3

9.4

7.1

12.3

11.9

11.4

11.2

10.5

10.1

9.4

8.7

7.7

131

138

144

151

157

164

177

190

203

17.0

14.5

12.6

10.1

8.4

6.8

18.3

16.1

13.7

11.4

9.5

7.5

4.2

14.7

13.9

13.2

12.5

11.9

10.1

7.0

4.4

2.0

12.3

11.9

11.4

11.2

10.5

<u>10.1</u>

8.4

5.5

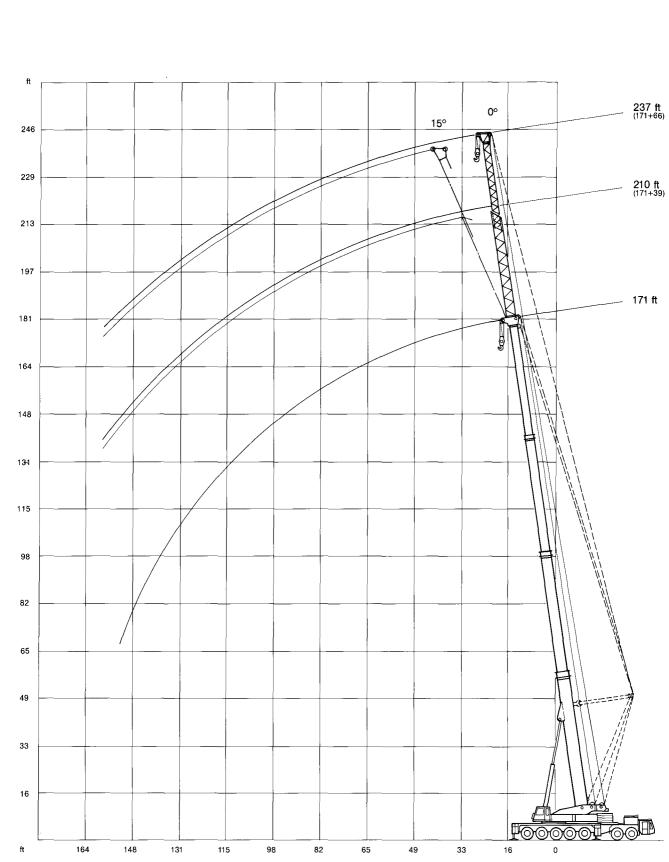
3.1

Lifting capacities main boom extension in 1,000 lb

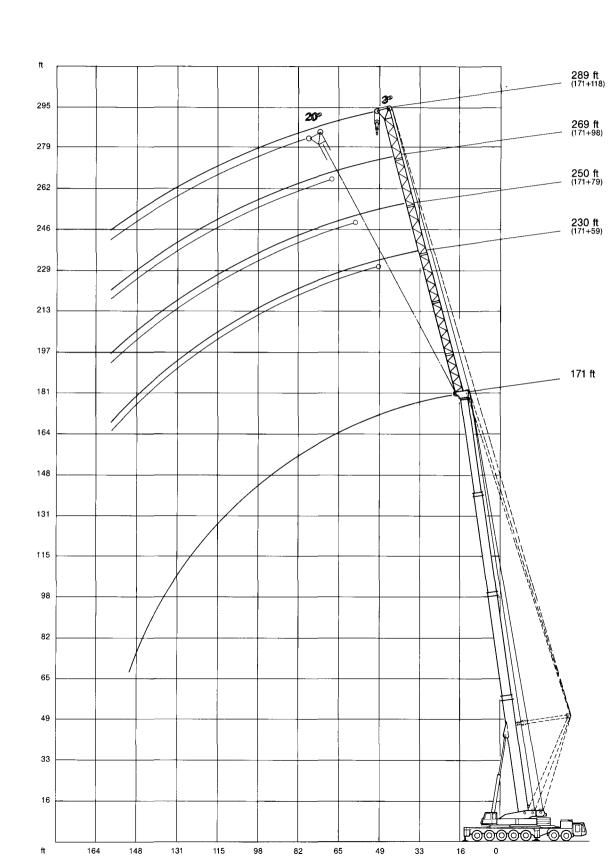
Main boom: 171 ft

			1				F				
110,000) lb			360°	85%	80,000) lb 🗏			360°	85 %
			Extension						Extensio		
		39 ft		6	6 ft		39	9 ft		66	6 ft
Radius	0°	15°		0°	15°	Radius	0°	15°		0°	15°
ft			1,000 lb			ft			1,000 lb		
33	49.6		_	- 00.4		33	49.0			- 00.4	
39 46	46.3 43.6	36.6		26.4 25.1		39 46	46.3 43.6	 36.6		26.4 25.1	
52	40.7	34.6		24.4	19.8	52	40.7	34.6		24.4	19.8
59	38.5	32.6		23.3	18.9	59	38.5	32.6		23.3	18.9
66	36.3	31.5		22.4	18.3	66	36.3	31.5		22.4	18.3
72	34.1	29.7		21.6	17.6	72	34.1	29.7		21.6	17.6
79	32.0	28.0		20.7	17.0	79	32.0	28.0		20.7	17.0
85 92	30.0 28.2	26.6 25.1		19.8 19.1	16.1 15.6	85 92	30.0 28.2	26.6 25.1		19.8 19.1	16.1 15.6
98	26.4	23.8	_	18.5	15.2	98	26.4	23.8		18.5	15.0
105	24.4	22.7		17.4	14.3	105	24.4	22.7		17.4	14.3
112	22.9	21.3		16.7	13.9	112	22.9	21.3		16.7	13.9
118	21.1	20.5		15.8	13.4	118	21.1	20.5		15.8	13.4
125	19.1	18.9	_	15.4	13.0	125	19.1	18.9		15.4	13.0
131	17.4 14.4	16.9		14.7	12.3	131	17.4 15.0	16.9		14.7	12.3
138 144	13.6	15.0 13.2		13.9 13.2	11.9 11.4	138 144	15.0 12.8	15.0 13.2		13.9 13.2	11.9
151	12.3	11.6	_	12.5	11.2	151	10.8	11.6		12.5	11.4
157	11.2	10.5	_	11.9	10.5	157	8.8	9.7	***************************************	11.2	10.5
164	9.9	9.2		11.0	10.1	164	7.0	7.9		10.4	10.1
177	<u>7.9</u>	<u>7.0</u>		9.4	9.4	177	-	4.6		7.5	8.8
190	-	_		7.7	7.7	190		_		4.6	5.7_
203	_										
			_	<u>6.1</u>	<u>6.1</u>	203	_			2.6	3.5_
	 -		_	<u>6.1</u>	<u>6.1</u>	203				2.6	3.5
	[_						_			_
49,000	[_		360°	85 %	203 19,000		_		360°	3.5 85 %
) lb		Extension	360°	85%) lb		Extensio	360°	85%
49,000) lb	39 ft	Extension	360 °	85%	19,000) lb =	e ft	Extensio	360°	85%
49,000) lb			360°	85%	19,00 0) lb			360°	85%
49,000 Radius) ib [39 ft 15°	Extension	360° n 6	85 % 6 ft 15°	19,000 Radius ft	0°	9 ft 15°	Extensio	360°	85% 6 ft
49,000 Radius ft 33	0° 49.0	39 ft 15°		360° 0°	85 % 6 ft 15°	19,000 Radius ft 33	39 0°	9 ft 15°		360°	85% 6 ft 15°
49,000 Radius ft 33 39	0° 49.0 46.3	39 ft 15°		360° 0°	85 % 6 ft 15°	19,000 Radius ft 33 39	39 0° 49.0 46.3	9 ft 15°		360° 0°	85% 6 ft
49,000 Radius ft 33	0° 49.0	39 ft 15°		360° 0°	85 % 6 ft 15°	19,000 Radius ft 33	39 0°	9 ft 15°		360°	85% 6 ft 15°
Radius ft 33 39 46 52 59	49.0 46.3 43.6 40.7 38.5	39 ft 15° - - 36.6 34.6 32.6		360° 6 0° - 26.4 25.1 24.4 23.3	85 % 6 ft 15° 19.8 18.9	19,000 Radius ft 33 39 46 52 59	39 0° 49.0 46.3 43.6 40.7 38.5	9 ft 15° 36.6 34.6 32.6		360° 0°	85% 6 ft 15° 19.8 18.9
Radius ft 33 39 46 52 59 66	49.0 46.3 43.6 40.7 38.5 36.3	39 ft 15° - - 36.6 34.6 32.6 31.5		360° 0° 26.4 25.1 24.4 23.3 22.4	85 % 6 ft 15° - - 19.8 18.9 18.3	Radius ft 33 39 46 52 59 66	39 0° 49.0 46.3 43.6 40.7 38.5 36.1	9 ft 15° 36.6 34.6 32.6 31.5		360° 0°	85% 6 ft 15° - - 19.8 18.9 18.3
Radius ft 33 39 46 52 59 66 72	49.0 46.3 43.6 40.7 38.5 36.3 34.1	39 ft 15° - - 36.6 34.6 32.6 31.5 29.7		360° 6 0° 26.4 25.1 24.4 23.3 22.4 21.6	85 % 6 ft 15° 19.8 18.9 18.3 17.6	Radius ft 33 39 46 52 59 66 72	49.0 46.3 43.6 40.7 38.5 36.1 29.3	9 ft 15° 36.6 34.6 32.6 31.5 29.7		360° 0°	85 % 6 ft 15° - - 19.8 18.9 18.3 17.6
Radius ft 33 39 46 52 59 66 72 79	49.0 46.3 43.6 40.7 38.5 36.3 34.1 32.0	39 ft 15° 36.6 34.6 32.6 31.5 29.7 28.0		360° 6 0° - 26.4 25.1 24.4 23.3 22.4 21.6 20.7	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0	Radius ft 33 39 46 52 59 66 72 79	49.0 46.3 43.6 40.7 38.5 36.1 29.3 23.8	9 ft 15° 36.6 34.6 32.6 31.5 29.7 26.8		360° 0°	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0
Radius ft 33 39 46 52 59 66 72 79 85	49.0 46.3 43.6 40.7 38.5 36.3 34.1 32.0 30.0	39 ft 15° 36.6 34.6 32.6 31.5 29.7 28.0 26.6		360° 6 0° 26.4 25.1 24.4 23.3 22.4 21.6 20.7 19.8	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1	Radius ft 33 39 46 52 59 66 72 79 85	49.0 46.3 43.6 40.7 38.5 36.1 29.3 23.8 19.6	9 ft 15° 36.6 34.6 32.6 31.5 29.7 26.8 22.2		360° 0°	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1
Radius ft 33 39 46 52 59 66 72 79 85	49.0 46.3 43.6 40.7 38.5 36.3 34.1 32.0 30.0 28.2	39 ft 15° - 36.6 34.6 32.6 31.5 29.7 28.0 26.6 25.1		360° 6 0° 26.4 25.1 24.4 23.3 22.4 21.6 20.7 19.8 19.1	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1 15.6	Radius ft 33 39 46 52 59 66 72 79 85	39 0° 49.0 46.3 43.6 40.7 38.5 36.1 29.3 23.8 19.6 15.8	9 ft 15° 36.6 34.6 32.6 31.5 29.7 26.8 22.2 18.3		360° 0°	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1 15.6
Radius ft 33 39 46 52 59 66 72 79 85 92 98	49.0 46.3 43.6 40.7 38.5 36.3 34.1 32.0 30.0 28.2 24.2	39 ft 15° 36.6 34.6 32.6 31.5 29.7 28.0 26.6		360° 6 0° 26.4 25.1 24.4 23.3 22.4 21.6 20.7 19.8 19.1 18.5	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1	Radius ft 33 39 46 52 59 66 72 79 85	49.0 46.3 43.6 40.7 38.5 36.1 29.3 23.8 19.6	9 ft 15° 36.6 34.6 32.6 31.5 29.7 26.8 22.2		360° 0°	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1 15.6 15.2
Radius ft 33 39 46 52 59 66 72 79 85	49.0 46.3 43.6 40.7 38.5 36.3 34.1 32.0 30.0 28.2 24.2 20.5 17.2	39 ft 15° 36.6 34.6 32.6 31.5 29.7 28.0 26.6 25.1 23.8 22.5 19.4		360° 6 0° 26.4 25.1 24.4 23.3 22.4 21.6 20.7 19.8 19.1	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1 15.6 15.2	Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112	39 0° 49.0 46.3 43.6 40.7 38.5 36.1 29.3 23.8 19.6 15.8 12.7	9 ft 15°		360° 0°	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1 15.6
Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118	49.0 46.3 43.6 40.7 38.5 36.3 34.1 32.0 30.0 28.2 24.2 20.5 17.2 14.1	39 ft 15° 36.6 34.6 32.6 31.5 29.7 28.0 26.6 25.1 23.8 22.5 19.4 16.1		360° 6 0° 26.4 25.1 24.4 23.3 22.4 21.6 20.7 19.8 19.1 18.5 17.4 16.7 15.8	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1 15.6 15.2 14.3 13.9 13.4	Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118	39 0° 49.0 46.3 43.6 40.7 38.5 36.1 29.3 23.8 19.6 15.8 12.7 10.1 7.5 4.8	9 ft 15° - 36.6 34.6 32.6 31.5 29.7 26.8 22.2 18.3 15.0 12.1 9.5 7.0		360° 0°	85 % 6 ft 15°
Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118 125	49.0 46.3 43.6 40.7 38.5 36.3 34.1 32.0 30.0 28.2 24.2 20.5 17.2 14.1 11.7	39 ft 15° - 36.6 34.6 32.6 31.5 29.7 28.0 26.6 25.1 23.8 22.5 19.4 16.1 13.4		360°	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1 15.6 15.2 14.3 13.9 13.4 13.0	Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118 125	39 0° 49.0 46.3 43.6 40.7 38.5 36.1 29.3 23.8 19.6 15.8 12.7 10.1 7.5 4.8 2.8	9 ft 15° - 36.6 34.6 32.6 31.5 29.7 26.8 22.2 18.3 15.0 12.1 9.5 7.0 4.4		360° 0°	85 % 6 ft 15°
Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118 125 131	49.0 46.3 43.6 40.7 38.5 36.3 34.1 32.0 30.0 28.2 24.2 20.5 17.2 14.1 11.7 9.5	39 ft 15° 36.6 34.6 32.6 31.5 29.7 28.0 26.6 25.1 23.8 22.5 19.4 16.1 13.4 11.0		360° - 26.4 25.1 24.4 23.3 22.4 21.6 20.7 19.8 19.1 18.5 17.4 16.7 15.8 14.7 12.8	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1 15.6 15.2 14.3 13.9 13.4 13.0 12.3	Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118 125 131	39 0° 49.0 46.3 43.6 40.7 38.5 36.1 29.3 23.8 19.6 15.8 12.7 10.1 7.5 4.8 2.8	9 ft 15° 36.6 34.6 32.6 31.5 29.7 26.8 22.2 18.3 15.0 12.1 9.5 7.0 4.4 2.4		360° 0°	85 % 6 ft 15°
Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118 125 131 138	49.0 46.3 43.6 40.7 38.5 36.3 34.1 32.0 30.0 28.2 24.2 20.5 17.2 14.1 11.7 9.5 7.3	39 ft 15° 36.6 34.6 32.6 31.5 29.7 28.0 26.6 25.1 23.8 22.5 19.4 16.1 13.4 11.0 8.8		360° - 26.4 25.1 24.4 23.3 22.4 21.6 20.7 19.8 19.1 18.5 17.4 16.7 15.8 14.7 12.8 10.6	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1 15.6 15.2 14.3 13.9 13.4 13.0 12.3 11.9	Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118 125 131 138	39 0° 49.0 46.3 43.6 40.7 38.5 36.1 29.3 23.8 19.6 15.8 12.7 10.1 7.5 4.8 2.8	9 ft 15° 36.6 34.6 32.6 31.5 29.7 26.8 22.2 18.3 15.0 12.1 9.5 7.0 4.4 2.4		360° 0° -26.4 25.1 24.4 23.3 22.4 21.6 20.7 19.8 18.0 15.0 12.3 10.1 8.3 6.6 4.4 2.6	85 % 6 ft 15°
Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118 125 131 138 144	49.0 49.0 46.3 43.6 40.7 38.5 36.3 34.1 32.0 30.0 28.2 24.2 20.5 17.2 14.1 11.7 9.5 7.3 5.3	39 ft 15° 36.6 34.6 32.6 31.5 29.7 28.0 26.6 25.1 23.8 22.5 19.4 16.1 13.4 11.0 8.8 6.4		360° - 26.4 25.1 24.4 23.3 22.4 21.6 20.7 19.8 19.1 18.5 17.4 16.7 15.8 14.7 12.8 10.6 8.8	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1 15.6 15.2 14.3 13.9 13.4 13.0 12.3 11.9 11.0	Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118 125 131 138 144	39 0° 49.0 46.3 43.6 40.7 38.5 36.1 29.3 23.8 19.6 15.8 12.7 10.1 7.5 4.8 2.8	9 ft 15° 36.6 34.6 32.6 31.5 29.7 26.8 22.2 18.3 15.0 12.1 9.5 7.0 4.4 2.4		360° 0°	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1 15.6 15.2 14.3 13.0 10.8 8.8 7.0 5.0 3.3
Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118 125 131 138 144	49.0 49.0 46.3 43.6 40.7 38.5 36.3 34.1 32.0 30.0 28.2 24.2 20.5 17.2 14.1 11.7 9.5 7.3 5.3 3.5	39 ft 15° 36.6 34.6 32.6 31.5 29.7 28.0 26.6 25.1 23.8 22.5 19.4 16.1 13.4 11.0 8.8 6.4 4.6		360°	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1 15.6 15.2 14.3 13.9 13.4 13.0 12.3 11.9 11.0 8.8	Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118 125 131 138 144 151	39 0° 49.0 46.3 43.6 40.7 38.5 36.1 29.3 23.8 19.6 15.8 12.7 10.1 7.5 4.8 2.8	9 ft 15° 36.6 34.6 32.6 31.5 29.7 26.8 22.2 18.3 15.0 12.1 9.5 7.0 4.4		360° 0°	85 % 6 ft 15°
Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118 125 131 138 144 151	49.0 49.0 46.3 43.6 40.7 38.5 36.3 34.1 32.0 30.0 28.2 24.2 20.5 17.2 14.1 11.7 9.5 7.3 5.3 3.5	39 ft 15° 36.6 34.6 32.6 31.5 29.7 28.0 26.6 25.1 23.8 22.5 19.4 16.1 13.4 11.0 8.8 6.4 4.6 2.8		360° 26.4 25.1 24.4 23.3 22.4 21.6 20.7 19.8 19.1 18.5 17.4 16.7 15.8 14.7 12.8 10.6 8.8 6.8 5.5	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1 15.6 15.2 14.3 13.9 13.4 13.0 12.3 11.9 11.0 8.8 7.3	Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118 125 131 138 144 151	39 0° 49.0 46.3 43.6 40.7 38.5 36.1 29.3 23.8 19.6 15.8 12.7 10.1 7.5 4.8 2.8	9 ft 15° 36.6 34.6 32.6 31.5 29.7 26.8 22.2 18.3 15.0 12.1 9.5 7.0 4.4		360° 0°	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1 15.6 15.2 14.3 13.0 10.8 8.8 7.0 5.0 3.3
Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118 125 131 138 144 151	49.0 49.0 46.3 43.6 40.7 38.5 36.3 34.1 32.0 30.0 28.2 24.2 20.5 17.2 14.1 11.7 9.5 7.3 5.3 3.5	39 ft 15° 36.6 34.6 32.6 31.5 29.7 28.0 26.6 25.1 23.8 22.5 19.4 16.1 13.4 11.0 8.8 6.4 4.6		360°	85 % 6 ft 15° 19.8 18.9 18.3 17.6 17.0 16.1 15.6 15.2 14.3 13.9 13.4 13.0 12.3 11.9 11.0 8.8	Radius ft 33 39 46 52 59 66 72 79 85 92 98 105 112 118 125 131 138 144 151	39 0° 49.0 46.3 43.6 40.7 38.5 36.1 29.3 23.8 19.6 15.8 12.7 10.1 7.5 4.8 2.8	9 ft 15° 36.6 34.6 32.6 31.5 29.7 26.8 22.2 18.3 15.0 12.1 9.5 7.0 4.4		360° 0°	85 % 6 ft 15°

Working range main boom extension



Working range fixed fly jib



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

Main boom: 171 ft

141,00	0 lb				_	360°	•	35 %	110,00	0 lb			_ 	7	360°	8	35 %
				Exte	ension								Exte	nsion			
	59 f	it	79 f	t	98	ft	1	18 ft		59	ft	79	ft	98	ft	1	18 ft
Radius	3°	20°	3°	20°	3°	20°	3°	20°	Radius	3°	20°	3°	20°	3°	20°	3°	20°
ft				1,00	0 lb				ft				1,00	0 lb			
39	45.0	_	-	_	-	_	-		39	45.0	-	-	_	-	-	-	
46	43.4	29.5	37.7		_	-	-		46	43.4	29.5	37.7	_	-	-		_
52	41.9	27.5	35.9	_	28.8		-		52	41.9	27.5	35.9	_	28.8	-	-	
59	40.1	26.0	34.1		27.5	-			59	40.1	26.0	34.1	_	27.5	-	-	
66	38.1	24.4	32.2	18.5	26.4	_	21.6		66	38.1	24.4	32.2	18.5	26.4	-	21.6	
72	36.1	22.9	30.4	17.4	25.1	-	20.5		72	36.1	22.9	30.4	17.4	25.1	_	20.5	-
79	34.1	21.6	28.6	16.3	24.0	13.4	19.4	_	79	34.1	21.6	28.6	16.3	24.0	13.4	19.4	_
85	32.1	20.5	26.9	15.2	22.7	13.0	18.5		85	32.1	20.5	26.9	15.2	22.7	13.0	18.5	_
92	30.4	19.2	25.3	14.3	21.4	12.5	17.4	10.8	92	30.4	19.2	25.3	14.3	21.4	12.5	17.4	10.8
98	28.6	18.0	23.6	13.4	20.3	12.1	16.5	10.3	98	28.6	18.0	23.6	13.4	20.3	12.1	16.5	10.3
105	27.1	16.9	22.5	12.5	19.2	11.4	15.4	9.9	105	27.1	16.9	22.5	12.5	19.2	11.4	15.4	9.9
112	25.5	16.1	20.9	11.9	17.8	11.0	14.5	9.4	112	25.5	16.1	20.9	11.9	17.8	11.0	14.5	9.4
118	24.0	15.0	19.4	11.2	16.9	10.3	13.4	9.0	118	22.9	15.0	19.4	11.2	16.9	10.3	13.4	9.0
125	22.4	13.9	18.3	10.5	15.8	9.7	12.3	8.6	125	20.7	13.9	18.3	10.5	15.8	9.7	12.3	8.6
131	21.1	13.0	17.0	9.9	15.0	9.0	11.6	7.9	131	18.3	13.0	17.0	9.9	15.0	9.0	11.6	7.9
138	19.6	12.1	15.8	9.2	13.6	8.6	11.0	7.5	138	16.1	12.1	<u>15.8</u>	9.2	13.6	8.6	11.0	7.5
144	18.5	11.2	14.7	8.6	12.5	8.1	9.9	7.0	144	13.9	11.2	14.7	8.6	12.5	8.1	9.9	7.0
151	17.2	10.3	13.6	8.1	11.9	7.5	9.2	6.4	151	12.3	10.3	12.7	8.1	11.9	7.5	9.2	6.4
157	15.8	9.7	13.0	7.7	11.0	7.0	8.3	5.9	157	10.6	9.7	11.2	7.7	11.0	7.0	8.3	5.9
164	<u>15.0</u>	9.0	12.1	7.0	9.9	6.6	7.7	5.5	164	9.2	9.0	9.7	7.0	9.9	6.6	7.7	5.5
170	13.6	8.3	11.4	6.6	8.8	6.1	7.0	5.0	170	7.7	8.3	8.1	6.6	8.4	6.1	7.0	5.0
177	12.3	7.7	11.0	6.1	8.6	5.7	6.4	4.6	177	6.6	7.7	7.0	6.1	7.2	5.7	6.4	4.6
183	11.2	7.2	10.1	5.7	7.7	5.3	5.9	4.2	183	5.5	7.2	5.7	5.7	5.9	5.3	5.7	4.2
190	9.9	6.8	9.9	5.3	7.0	4.8	5.0	3.7	190	4.2	5.1	4.6	5.3	4.8	4.8	4.8	3.7
197	_	6.4	7.9	4.8	6.1	4.4	4.2	3.3	197	_	4.0	3.0	4.6	3.0	4.4	3.0	3.3
206	-		-	4.4		3.9		3.0	206	_	-	_	3.7	_	3.9	_	3.0
210	-	-	-	3.9	-	3.7	-	2.8	210	-	-	_	2.8	_	3.3	_	2.8
216	-	_	-	3.5	_	3.3	-	2.4	216	_	_	_	2.0	_	2.4	_	2.4
223	-	-	_		_	2.8	-	2.0	223	-	_		_	_	_	_	

Lifting capacities fixed fly jib in 1,000 lb

Extension

98 ft

3°

79 ft

20°

3°

360°

20°

85%

118 ft

20°

3°

Main boom: 171 ft

59 ft

20°

3°

110,000 lb

Radius

98

105

112

118

125

131

138

144

151

157

15.0

11.9

9.9

7.7

5.9

4.2

3.1

17.4

14.8

11.9

9.2

7.9

6.2

4.4

3.1

1.8

15.4

12.8

10.1

7.9

6.2

4.6

3.3

2.0

14.3

13.2

12.1

11.0

9.0

7.3

5.5

4.0

2.8

13.2

12.1

10.6

8.2

6.4

5.1

3.5

2.2

12.3

11.4

10.8

9.9

9.2

7.9

6.2

4.6

3.5

2.2

10.8

10.1

9.4 7.7

8.6 7.0

6.8

3.5 5.3

2.2

8.3

6.4

5.9

<u>4.8</u>

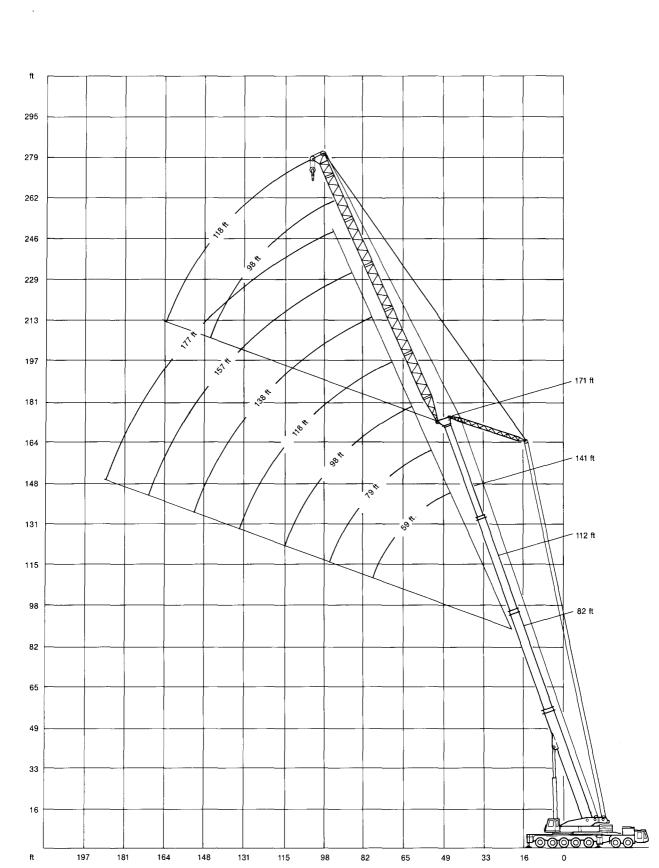
4.0

2.4

· · · · · · · · · · · · · · · · · · ·			•					
ft				1,000	lb			
39	37.9	_	_	_	_	_	_	_
46	35.0	_	30.0	_	-	_	_	_
52	32.4	_	27.1	_	22.0	-	_	_
59	30.4	27.5	24.9	_	20.5	_	16.3	_
66	28.4	25.5	23.1		18.9	-	15.2	-
72	26.4	23.8	21.6	_	17.6		14.1	-
79	24.7	22.0	20.0	18.0	16.5	_	13.2	_
85	23.1	20.5	18.7	16.7	15.2	_	12.3	-
92	21.6	18.9	17.4	15.4	14.1	13.4	11.7	
98	19.8	17.4	16.3	14.3	13.2	12.3	10.8	-
105	18.7	16.1	15.0	13.2	12.1	11.4	10.1	8.3
112	17.2	14.7	13.9	12.1	11.4	10.8	9.4	7.7
118	15.6	13.4	13.0	11.2	10.3	9.9	8.6	7.0
125	14.3	12.3	11.9	10.3	9.7	9.2	7.9	6.4
131	13.2	11.2	10.6	9.4	8.8	8.6	6.8	5.9
138	11.9	10.1	9.9	8.8	8.1	7.9	6.6	5.3
144	10.6	9.2	8.8	7.9	7.7	7.5	6.1	4.8
151	9.7	8.1	7.9	7.2	6.8	6.8	5.7	4.4
157	8.6	7.5	7.0	6.6	6.4	6.4	5.0	3.9
164	7.9	6.6	6.4	5.9	5.7	5.7	4.6	3.5
170	7.2	5.9	5.9	5.5	5.0	5.3	4.2	3.1
177	6.4	5.3	5.0	4.8	4.4	4.8	3.7	2.6
183	<u>5.7</u>	4.6	4.6	4.4	3.9	4.4	3.1	2.4
190	4.4	3.9	3.9	3.7	3.3	3.9	2.6	2.0
197	3.7	<u>3.5</u>	3.7	3.3	2.8	<u>3.5</u>	2.2	_
40 000	\ IL)	_	360°		35 %
49,000	טו ל					300)) 7
					nsion			
) ft	79	ft		3 ft		118 ft
Radius	3°	20°	3°	20°	3°	20°	3°	20°
ft				1,000	0 lb			
39	37.9	9 –	_		_		_	_
46	35.0		30.0		_		_	_
52	32.4		27.1		22.0) -	_	_
59	30.4		24.9		20.5		16.3	3 –
66	28.4		23.1		18.9		15.2	
72	26.4		21.6	_	17.6		14.1	
79	24.7		20.1	18.0	16.5		13.2	
85	22.0	<u> </u>	18.7	16.7	15.2		12.3	
92	18.3		17.4	15.4	14.1		11.7	

90 000) Ih		,	—	_	360°	•	3 5 %
80,000	טו ל			Eval	ension	300		33 70
	59 ft							10.0
			79 1		98			18 ft
Radius	3°	20°	3°	20°	3°	20°	3°	20°
ft				1,00	0 lb			
39	37.9	_	_		-			
46	35.0	-	30.0		-	-		
52	32.4	-	27.1		22.0		-	_
59	30.4	27.5	24.9		20.5	-	16.3	_
66	28.4	25.5	23.1	-	18.9	-	15.2	
72	26.4	23.8	21.6		17.6	-	14.1	_
79	24.7	22.0	20.0	18.0	16.5	_	13.2	_
85	23.1	20.5	18.7	16.7	15.2	_	12.3	
92	21.6	18.9	17.4	15.4	14.1	13.4	11.7	-
98	19.8	17.4	16.3	14.3	13.2	12.3	10.8	-
105	18.7	16.1	15.0	13.2	12.1	11.4	10.1	8.3
112	17.2	14.7	13.9	12.1	11.4	10.8	9.4	7.7
118	15.6	13.4	13.0	11.2	10.3	9.9	8.6	7.0
125	13.7	12.3	11.9	10.3	9.7	9.2	7.9	6.4
131	11.7	11.2	10.6	9.4	8.8	8.6	6.8	5.9
138	9.9	10.1	9.9	8.8	8.1	7.9	6.6	5.3
144	8.1	9.2	8.8	7.9	7.7	7.5	6.1	4.8
151	6.6	<u>8.1</u>	7.2	7.2	6.8	6.8	5.7	4.4
157	5.5	7.3	5.9	6.6	6.2	6.4	<u>5.0</u>	3.9
164	4.2	5.5	4.4	<u>5.9</u>	4.6	5.7	4.6	3.5
170	3.1	4.4	3.5	5.3	3.7	<u>5.3</u>	3.7	3.1
177	2.2	3.5	2.4	4.0	2.6	4.6	2.6	2.6
183		2.4	_	3.1	_	3.7	_	2.4
190		_	_	2.2	_	2.4	_	2.0
197		_	-		_			_

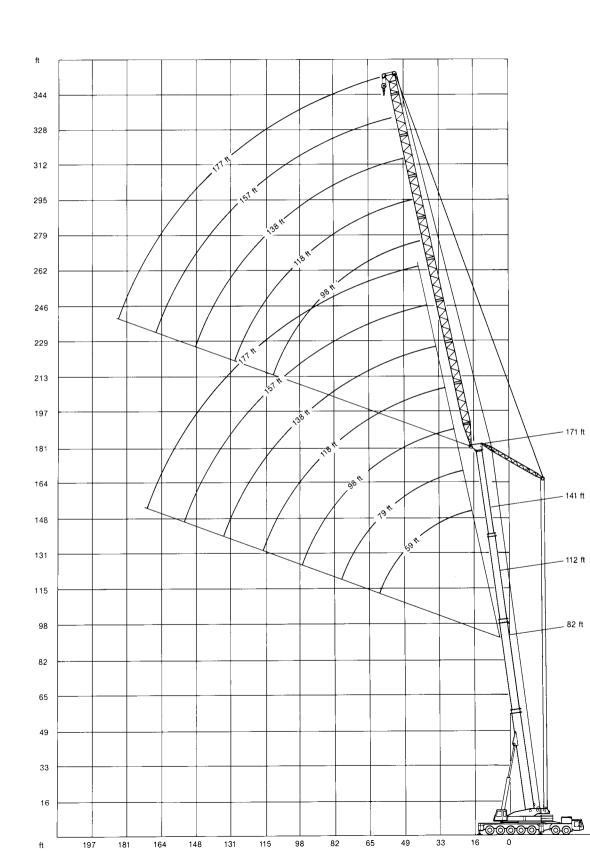
Working range luffing fly jib, main boom 70°



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

10,000) lb 🚞		≒ 360°					75 %
,					Main boom			
Boom	Radius	59 ft	79 ft	98 ft	118 ft	138 ft	157 ft	177 ft
	ft				1,000 lb			
	_52	<u>105.8</u>		_			_	<u> </u>
	_59	97.0	<u>-</u>	<u> </u>	_			-
	_66	83.8	<u>81.6</u>		-		_	_
	72	74.9	72.7	<u>68.3</u>		_		
	79	66.1	66.1	63.9	52.9			
	85		59.5	57.3	50.7			
82 ft	92		52.9	52.9	<u>50.7</u>	40.8	-	
JZ 11	98		48.5	48.5	48.5	39.7	<u> </u>	
	105			45.1	44.7	38.5	29.1	
	112			42.1	41.2	37.4	28.2	20.9
	125				35.7	34.6	26.6	19.8
	138				31.3	30.4	25.1	18.7
	151				<u> </u>	25.3	23.5	16.5
	164						<u>20.5</u>	14.3
	177						-	12.1
	190							<u>11.0</u>
	72		43.2					_
	_79	_	42.3		_			_
	85		41.4	37.0				
	_92		40.5	35.0	30.8	_	-	-
	98	-	<u>39.6</u>	33.2	29.7			
12 ft	105			32.6	28.9	25.3	_	
112 11	112			32.0	27.7	24.4	20.9	-
	125			<u>31.5</u>	26.0	22.7	19.8	17.4
	138				24.7	21.1	18.7	16.5
	151			-		20.2	17.6	15.6
	164					<u>19.6</u>	16.7	14.7
	177						<u>15.8</u>	14.1
	190							<u>12.1</u>
	85		32.0		<u> </u>			
	92		30.8	26.9				
	98		30.0	26.2				
	105		29.1	25.5	21.6			
	112		28.2	24.7	20.9	16.5		
41 ft	125		-	23.1	19.6	15.6	12.8	
	138			<u>22.0</u>	18.5	14.7	12.3	
	151	-			<u>17.8</u>	14.1	11.9	_
	164					13.6	11.4	
	177					13.6	11.0	
	190			_			<u>10.5</u>	
	105			13.2				
- 4	112			12.3	10.1			
71 ft	125			11.4	9.2	· -		
	138	-		<u>10.3</u>	8.3	_	-	_

Working range luffing fly jib, main boom 84°



Lifting capacities luffing fly jib, main boom 84°, in 1,000 lb

<u> 10,000</u>) lb 🔙		1 360°					7
					Main boom			
oom	Radius	59 ft ¹)	79 ft ²)	98 ft	118 ft	138 ft	157 ft	177 ft
	ft				1,000 lb			
	23	154.0					<u>-</u>	
	26	137.0	-					
	29	131.0	118.0	-	 =			<u>-</u>
	33 36	125.0 119.0	113.0 109.5	96.8	69.0	-		
	39	113.0	106.0	93.7	69.0		_	
	46	102.0	101.0	89.3	69.0	61.6		
	52	86.4	96.1	85.5	69.0	61.6	48.5	-
	59		88.2	82.6	69.0	61.6	45.6	34.8
2 ft	66	-	74.0	80.4	69.0	59.7	43.2	32.6
	72		<u>58.2</u>	72.1	67.9	57.7	40.8	30.4
	79			61.3	66.1	55.1	38.6	28.2
	85			51.1	59.3	52.4	36.3	26.4
	92			41.2	51.8	49.8	34.6	24.7 22.5
	112				30.8	47.4 37.0	32.6 29.1	20.3
	125				30.8	27.1	26.0	17.6
	138					-	22.9	15.4
	151						16.3	13.2
	164			_	_		-	11.0
	33		79.8	_	_		-	_
	36		78.2					
	39		78.2	62.8		_	-	_
	46		76.0	61.7	50.2	_	-	_
	52		73.8	61.0	49.4	39.4	-	
	59		72.1	59.7	48.7	38.8	32.2	
	66		69.6	58.6	48.3	38.3	32.0	25.8
ο 4	72		66.1	58.2	48.0	38.1	31.5	25.1
2 ft	79		<u>51.6</u>	58.0	47.8	37.9	31.1 30.8	24.4
	92			56.8 47.4	47.8 47.6	37.9 37.9	30.0	23.8 23.1
	98			- 47.4	46.3	37.9	29.3	22.2
	112	_			35.2	37.0	28.0	20.0
	125	_		_	-	32.6	25.5	18.0
	138	_	_	_	_	-	22.9	16.1
	151		_	_	_	_	19.2	14.1
	164							12.1
	39		49.4				_	-
	46		48.9	37.4	-			
	52		48.7	37.2	30.4	24.7		
	59		48.7	37.0	30.0	24.2	19.8	-
	66	-	48.5	37.0	29.7	24.0	19.4	15.4
	72 79		48.0 47.6	37.0 37.0	29.7 29.7	23.8	19.2 18.7	15.4 14.7
1 ft	85		<u>47.0</u>	37.0	29.7	23.8	18.5	14.7
	92			37.0	29.7	23.8	18.5	14.5
	98		-	-	29.7	23.8	18.5	14.3
	112				29.7	23.8	18.5	14.3
	125	_			-	23.1	18.5	14.3
	138						18.5	13.6
	151						<u>18.5</u>	12.1
	164			-				10.1
	46			24.2	-			-
	52			24.2	19.2	-		
	59			24.2	19.2	15.8	- 10.1	-
	72 72			24.2	19.2	15.4	12.1 11.9	9.0 8.8
	79			24.2	19.2 19.2	15.2 15.0	11.7	8.6
	85			24.2	19.2	15.0	11.7	8.3
'1 ft	92			24.2	19.2	14.7	11.2	8.3
	98			<u> </u>	19.2	14.7	11.2	8.1
	112				19.2	14.7	11.2	7.9
	125			-	-	14.7	11.2	7.9
	138	_	-		-	-	11.0	7.7
	151					_	11.0	7.7
	164				_		-	7.5

¹⁾ hook block (8 sheaves, weight 3.96 lb) required

²⁾ hook block (3 sheaves, weight 2.53 lb) required

	Carrier
Demag truck-type carrier	Drive 14 x 6
Frame	Monobox main frame with outrigger boxes integral, fabricated from high strength fine-grained structural steel.
Outriggers	Four hydraulic telescopic beam and jack outriggers plus front jack leg for 360° continuous rotation.
Engine	Daimler-Benz OM-424 A water-cooled 12-cylinder diesel engine. Output to DIN: 390 kW (530 hp). Fuel tank capacity: 500 l.
Transmission	Allison CLBT-754 automatic transmission.
Axles	All axles are sprung and single-wheeled. Steering axles: 1st, 2nd, 3rd, 6th, 7th. Drive axles: 1st, 4th, 5th.
Wheels and tyres	14 disk-type wheels with 10.0-25 rims and single 14.00-25 tyres, plus one spare.
Steering	ZF semiblock mechanical steering with hydraulic booster.
Brakes	to EC standards.
Electrical equipment	24-volt system.
Cab	Rubber-mounted low-line two-man steel cab.
	Superstructure
Frame	Torsion-resistant welded structure of fine-grained structural steel.
Paneling	Sectional side panels which are removable for service accessibility.
Slew ring	Triple-row roller bearing type with external ring gear.
Engine	Daimler-Benz OM-441 water-cooled 6-cylinder diesel enginge. Output to DIN: 160 kW (218 hp). Fuel tank capacity: 300 l.
Hydraulic system	2 variable-displacement axial-piston pumps with automatic power control and 1 fixed-displacement tandem pump (enable the operator to engage three motions at the same time). 1 fixed-displacement pump for low-pressure servo control.
Hoist	Hydromatik variable-displacement axial-piston hydraulic motor with planetary reduction and spring-loaded multiple-disk brake in hoist drum, hoist rope (Ø 1").
Slewing	Axial-piston hydraulic motor with planetary reduction integral. Foot-pedal operated service brake and spring-loaded holding brake.
Boom elevation	Two hydraulic cylinders with pilot-controlled braking valve for lowering.
Cab	Comfortable all-steel cab with sliding door, large folding-out front window, roof window, air heating and ventilation system. The cab is hydraulically tiltable to an angle of 15°.
Main boom	Four-section power-telescoping boom, fabricated from high-grade close-grained plate stock, featuring the familiar DEMAG "ovaloid" design of rectangular box members with rounded-off corners. Each center section slides on diagonally self-centering plastic shoes. Boom head with mounting lugs for extension boom and luffing fly jib.
Safety devices	Electronic safe load indicator, limit switches on hoist and lowering motions, pressure-relief and safety holding valves.
Hydraulic servo control	By self-centering control levers.
	Optional Equipment
Superlift attachment	The Superlift attachment is a means to increase the crane's lifting capacity. It essentially
	consists of a boom-suspension mast with guy ropes, which provides for an automatic ropelength adjustment for boom telescoping, and a 44,000 lb Superlift counterweight. The suspension mast is lowered to the main boom when not needed, or for road transport. No auxiliary crane is required to mount or remove the counterweights.
2nd Hoist (removable)	The 2nd hoist unit avoids re-reeving the hoist line when using the optional extension boom. It is indispensable for fly jib luffing. The unit is powered by a variable-displacement axial-piston hydraulic motor, through a planetary reduction, integral with the drum and equipped with a spring-loaded multi-disk brake, and ropes.
Main boom extension	39-66 ft telescoping side-folding 2-part extension boom, with adapter to permit an angular adjustment of 0° and 15°.
Fixed fly jib	Non-folding fixed fly jib of 59 ft, 79 ft, 98 ft and 118 ft length, using components of the luffing fly jib (angular adjustment 6° and 20°).
Luffing fly jib	59-177 ft length, with luffing mast, guy ropes, electrical equipment, and safety devices (the 2nd hoist unit is required when using the luffing fly jib).
"Heavy-lift" boom	39-52 ft boom with heavy-lift workshop head and quick assembly system.
Trailer hitch	26,400 lb capacity, with air brake hookup.