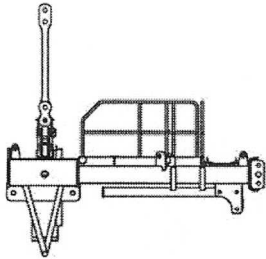
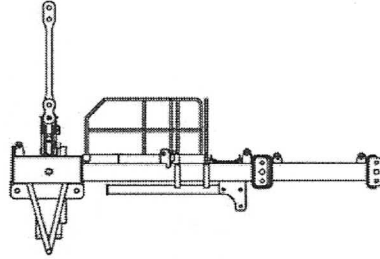


Counterweight Arrangements

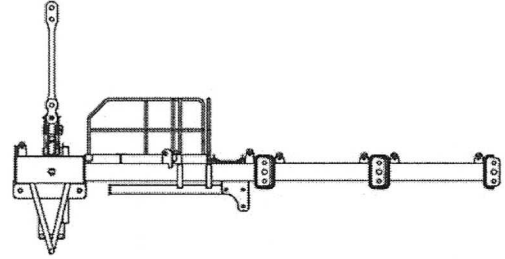
Hanging Counterweight



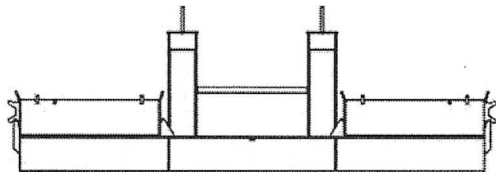
0 lb (0 kg)
Hanging Counterweight
11,0 m Position



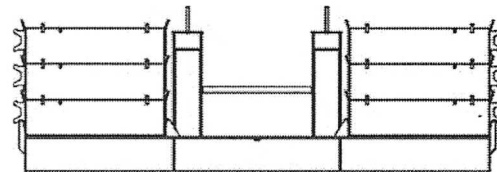
0 lb (0 kg)
Hanging Counterweight
13,0 m Position



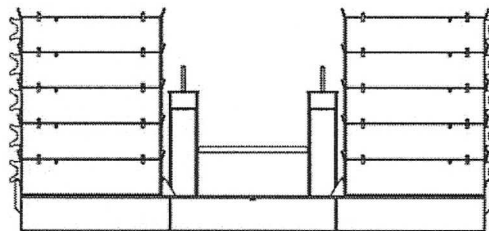
0 lb (0 kg)
Hanging Counterweight
15,0 m Position



137,850 lb (62 530 kg) Hanging Counterweight
2 Internal Tray Boxes, 2 Side Boxes



313,850 lb (142 360 kg) Hanging Counterweight
2 Internal Tray Boxes, 6 Side Boxes

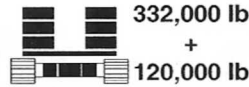


489,850 lb (222 190 kg) Hanging Counterweight
2 Internal Tray Boxes, 10 Side Boxes



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ft	°	ft	0 lb	137,850 lb		313,850 lb		489,850 lb		ft
			lb	lb	lb	lb	lb	lb		
26	82.8	145.0	756,500 *	617,000	837,400 *					26
28	82.0	144.7	704,000 *	556,100	837,400 *					28
30	81.1	144.3	658,000 *	505,500	817,300 *					30
32	80.3	143.9	617,500 *	462,800	767,400 *					32
34	79.5	143.5	581,400 *	426,300	723,000 *					34
36	78.6	143.1	547,000 *	394,700	683,300 *	709,700	837,400 *			36
38	77.7	142.6	514,600 *	367,100	647,500 *	662,100	802,100 *			38
40	76.9	142.1	485,700 *	342,800	615,100 *	620,100	762,300 *			40
45	74.7	140.7	410,400	293,000	546,200 *	534,300	677,800 *			45
50	72.5	139.1	351,300	254,600	490,400 *	468,100	609,400 *			50
55	70.3	137.2	306,000	224,100	443,300 *	415,500	553,000 *			55
60	68.1	135.2	270,200	199,200	402,000 *	372,700	505,700 *			60
65	65.8	132.9	241,200	178,600	367,300 *	337,200	465,400 *	496,000	557,500 *	65
70	63.5	130.3	217,200	161,200	332,800	307,200	430,600 *	453,400	516,400 *	70
75	61.1	127.5	197,000	146,300	303,400	281,600	400,400 *	417,100	480,600 *	75
80	58.6	124.4	179,800	133,500	278,300	259,500	373,800 *	385,700	449,100 *	80
85	56.1	121.0	165,000	122,200	256,700	240,100	350,300 *	358,200	421,300 *	85
90	53.5	117.3	152,000	112,300	237,800	223,100	329,300 *	334,000	396,500 *	90
95	50.8	113.2	140,600	103,500	221,300	207,900	309,800 *	312,500	374,200 *	95
100	48.0	108.7	130,500	95,600	206,500	194,400	292,100 *	293,300	354,100 *	100
105	45.1	103.7	121,500	88,400	193,400	182,200	276,100 *	276,000	335,800 *	105
110	42.0	98.1	113,300	82,000	181,600	171,100	261,600 *	260,400	319,200 *	110
115	38.7	91.8	106,000	76,100	170,900	161,000	248,300 *	246,100	303,900 *	115
120	35.1	84.8	99,300	70,700	161,200	151,800	236,200 *	233,100	289,900 *	120
125	31.1	76.6	93,200	65,700	152,400	143,300	224,300	221,100	277,000 *	125
130	26.5	66.9	87,600	61,100	144,200	135,400	213,100	209,900	265,100 *	130
135	21.0	54.6	82,400	56,700	136,700	128,100	202,800	199,500	253,900 *	135

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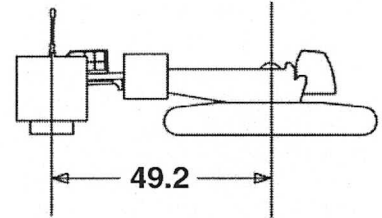


393.7 ft

ft	°	ft	137,850 lb		313,850 lb		489,850 lb		ft
			lb	lb	lb	lb	lb	lb	
75	80.3	396.2	135,300	151,500 *					75
80	79.6	395.3	121,000	151,300 *					80
85	78.8	394.3	108,600	150,600 *					85
90	78.1	393.2	97,700	149,700 *					90
95	77.3	392.1	88,100	148,700 *					95
100	76.6	390.9	79,500	147,800 *					100
105	75.8	389.6	71,900	146,800 *					105
110	75.1	388.2	65,000	145,800 *					110
115	74.3	386.8	58,700	144,900 *					115
120	73.6	385.3	53,000	142,000 *					120
125	72.8	383.8	47,800	137,500					125
130	72.0	382.1	43,000	129,300	120,500	138,000 *			130
135	71.3	380.4	38,600	121,800	113,000	136,000 *			135
140	70.5	378.6	34,500	114,800	106,000	134,000 *			140
145	69.7	376.8	30,800	108,400	99,600	132,000 *			145
150	68.9	374.8	27,200	102,500	93,700	130,000 *			150
160	67.4	370.7	20,900	91,800	82,900	126,000 *			160
170	65.8	366.2	15,400	82,400	73,500	122,000 *			170
180	64.2	361.5	10,500	74,200	65,100	118,000 *			180
190	62.5	356.3	6,100	66,900	57,700	112,500			190
200	60.9	350.8	2,200	60,300	51,000	103,500			200
210	59.2	344.9		54,400	45,100	95,500	91,500	106,000 *	210
220	57.5	338.6		49,100	39,600	88,200	83,900	102,000 *	220
230	55.7	331.9		44,000 *	34,700	81,500	76,900	98,000 *	230
240	53.9	324.7		38,900 *	30,100	75,500	70,500	94,000 *	240
250	52.1	317.0		34,200 *	26,000	69,900	64,700	90,000 *	250
260	50.2	308.8		29,800 *	22,100	64,800	59,200	86,000 *	260
270	48.3	300.0		25,800 *	18,600	60,100	54,200	82,000 *	270
280	46.3	290.5		22,100 *	15,300	55,400 *	49,600	80,000 *	280
290	44.2	280.4		18,600 *	12,200	50,700 *	45,300	78,000 *	290
300	42.0	269.5		15,300 *	9,300	46,300 *	41,300	75,000 *	300
310	39.8	257.7		12,200 *	6,600	42,200 *	37,500	70,700 *	310
320	37.4	245.0		9,400 *	4,100	38,400 *	33,900	66,700 *	320
330	34.9	231.0			1,700	34,800 *	30,600	62,800 *	330
340	32.3	215.6				31,400 *	27,400	58,500 *	340
350	29.4	198.5				28,100 *	24,400	54,400 *	350
360	26.2	179.0				25,000 *	21,600	50,600 *	360
370	22.6	156.4				22,100 *	18,900	46,300 *	370
380	18.3	128.7				19,300 *	16,200	40,600 *	380

Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL
with 98.4 ft Mast No. 59A
332,000 lb Crane Counterweight
120,000 lb Carbody Counterweight
313,850 lb Hanging Counterweight
at 49.2 ft Position
360 Degree Rating



16000 MAX-ER

315.0 ft Boom, 275.6 ft Luffing Jib

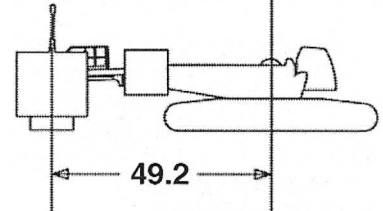
Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
235	58.7	547.9	32,400	36,200*								235
240	57.5	544.8	31,000	36,200*								240
245	56.3	541.4	29,700	36,200*								245
250	55.0	537.9	28,400	36,200*								250
255	53.7	534.3	27,100	36,200*								255
260	52.4	530.5	25,900	36,200*								260
265	51.1	526.4	24,700	36,200*	57.8	537.0	12,500	33,100*				265
270	49.7	522.2	23,600	36,200*	56.6	533.7	11,700	33,100*				270
275	48.3	517.8	22,600	36,100*	55.3	530.3	10,800	33,100*				275
280	46.9	513.1	21,500	35,500*	54.0	526.7	10,000	33,100*				280
285	45.4	508.2	20,500	34,900*	52.7	522.9	9,200	33,100*				285
290	44.0	503.1	19,600	34,200*	51.4	518.9	8,500	33,100*				290
295	42.4	497.7	18,600	33,600*	50.0	514.7	7,800	33,100*				295
300	40.8	491.9	17,700	32,900*	48.7	510.4	7,000	33,100*				300
305	39.2	485.9	16,800	32,300*	47.3	505.8	6,400	33,100*				305
310	37.5	479.4	16,000	31,700*	45.8	500.9	5,700	33,100*	52.8	512.4	30,200*	310
315	35.7	472.5	15,200	31,000*	44.3	495.9	5,100	33,100*	51.5	508.4	30,200*	315
320	33.9	465.2	14,400	30,400*	42.8	490.5	4,400	33,100*	50.2	504.3	30,200*	320
325	32.0	457.3	13,600	29,800*	41.2	484.8	3,800	33,100*	48.8	499.9	30,200*	325
330	29.9	448.8	12,800	29,200*	39.6	478.9	3,200	33,100*	47.4	495.3	30,000*	330
335	27.7	439.5	12,100	28,700*	37.9	472.5	2,700	33,100*	45.9	490.5	29,000*	335
340	25.3	429.2	11,300	27,800*	36.2	465.8	2,100	33,100*	44.5	485.5	28,100*	340
345	22.7	417.7	10,600	26,700*	34.4	458.5	1,500	33,100*	42.9	480.1	27,100*	345
350	19.8	404.5	9,900	25,600*	32.4	450.8		33,100*	41.4	474.5	26,200*	350
355	16.3	388.7	9,200	24,300*	30.4	442.5		33,100*	39.7	468.6	25,300*	355
360	11.9	368.0	8,500	22,900*	28.3	433.4		32,900*	38.1	462.2	24,500*	360
365	3.6	328.4	7,700	21,000*	25.9	423.4		31,900*	36.3	455.5	23,600*	365
370					23.4	412.2		30,900*	34.5	448.4	22,800*	370
375					20.6	399.5		29,900*	32.6	440.7	22,000*	375
380					17.3	384.4		28,600*	30.6	432.4	21,200*	380
385					13.1	365.3		27,100*	28.4	423.3	20,400*	385
390					6.8	335.2		25,300*	26.1	413.4	19,700*	390
395									23.6	402.4	18,900*	395
400									20.8	389.8	18,200*	400
405									17.5	375.0	17,500*	405
410									13.5	356.3	16,700*	410
415									7.5	327.9	16,000*	415

ANSI B30.5



Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL
 with 98.4 ft Mast No. 59A
 332,000 lb Crane Counterweight
 120,000 lb Carbody Counterweight
 313,850 lb Hanging Counterweight
 at 49.2 ft Position
 360 Degree Rating



16000 MAX-ER

137.8 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65	67.2	217.0	349,000	395,300* b	65
70	63.2	214.5	319,800	382,200* b	70
75	58.9	211.5	294,800	370,600* b	75
80	54.5	208.0	273,300	347,000*	80
85	49.7	203.9	254,400	316,000*	85
90	44.6	198.9	237,800	286,100*	90
95	38.9	192.9	223,000	260,900*	95
100	32.4	185.4	209,700	239,200*	100
105	24.2	175.4	197,600	220,200*	105
110					110
115					115
120					120
125					125
130					130
135					135
140					140
145					145