STERLING CRANE

LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1200/1 - 250 TON CAPACITY

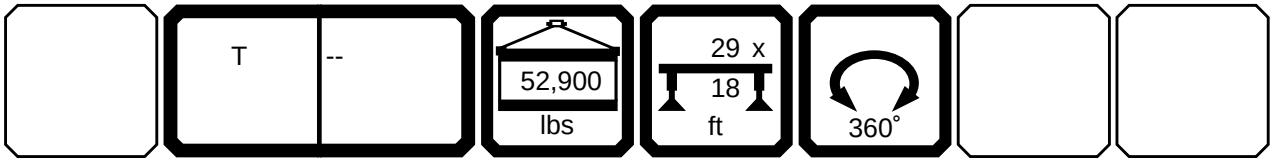
Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)								
	43	59	59	59	72	72	72	85	85	85
9	267,000									
10	264,000									
11	249,000	242,000								
12	235,000	233,000	139,000	125,000						
13	222,000	214,000	139,000	125,000	185,000		112,000	163,000	164,000	
14	210,000	193,000	140,000	126,000	171,000	125,000	112,000	151,000	152,000	124,000
15	196,000	174,000	141,000	127,000	155,000	125,000	112,000	138,000	139,000	124,000
16	178,000	159,000	142,000	127,000	142,000	125,000	111,000	127,000	128,000	124,000
17	162,000	146,000	138,000	127,000	132,000	124,000	109,000	118,000	119,000	121,000
18	150,000	135,000	132,000	125,000	122,000	121,000	106,000	110,000	111,000	116,000
20	126,000	115,000	118,000	121,000	105,000	113,000	99,000	95,000	96,500	105,000
22	110,000	101,000	104,000	106,000	92,500	101,000	93,000	84,000	85,500	94,000
24	95,500	89,000	92,000	94,000	82,000	89,500	87,000	74,500	76,000	84,000
26	83,500	79,000	82,000	83,500	73,000	80,500	80,500	66,500	67,500	75,500
28	73,500	71,500	74,000	76,000	66,000	73,000	73,500	60,000	61,000	69,000
30	64,500	64,000	67,000	68,500	59,600	66,500	67,000	54,200	55,300	63,000
32	57,700	58,400	60,500	62,000	54,200	61,000	61,500	49,300	50,400	57,900
34		52,800	54,700	56,000	49,600	56,200	56,600	45,000	46,000	53,400
36		47,500	49,300	50,600	45,300	51,800	52,200	41,000	42,000	49,300
38		43,300	45,000	46,300	41,800	47,900	48,200	37,700	38,700	45,900
40		39,500	41,200	42,400	38,500	44,200	44,500	34,700	35,700	42,800
45		31,900	33,500	34,600	31,500	36,400	36,600	28,300	29,300	36,200
50					25,900	30,500	30,700	23,400	24,300	30,600
55					21,200	25,700	26,000	19,200	20,100	25,900
60								15,700	16,500	22,000
65								12,600	13,300	18,900
70								10,100	10,800	16,300
75										
80										
85										
90										
95										
100										
105										
110										
115										
* n *	13	12	7	6	9	6	5	8	8	6
1	0+	0+	0+	0+	0+	0+	0+	46+	0+	0+
2	0+	0+	0+	0+	46+	0+	0+	46+	92+	0+
3	0+	46+	0+	0+	46+	0+	0+	46+	46+	46+
4	0+	0+	46+	0+	0+	46+	0+	0+	0+	46+
5	0+	0+	0+	46+	0+	46+	92+	0+	0+	46+
%										
ft/s	36	36	36	36	33	33	33	33	33	33
TAB 133	045	045	045	045	045	045	045	045	045	045

	T	--	52,900 lbs	29 x 18 ft	360°		

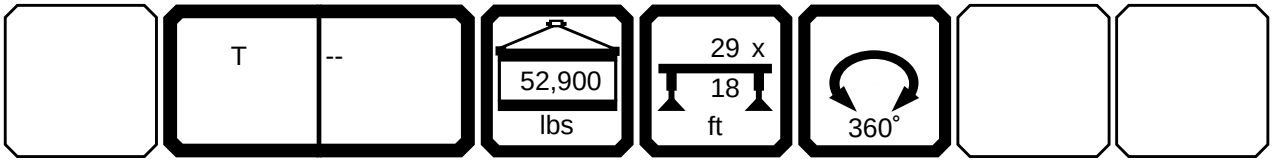
Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)								
	43	59	59	59	72	72	72	85	85	85
120										
125										
130										
* n *	13	12	7	6	9	6	5	8	8	6
1	0+	0+	0+	0+	0+	0+	0+	46+	0+	0+
2	0+	0+	0+	0+	46+	0+	0+	46+	92+	0+
3	0+	46+	0+	0+	46+	0+	0+	46+	46+	46+
4	0+	0+	46+	0+	0+	46+	0+	0+	0+	46+
% 5	0+	0+	0+	46+	0+	46+	92+	0+	0+	46+
ft/s	36	36	36	36	33	33	33	33	33	33
TAB 133	045	045	045	045	045	045	045	045	045	045



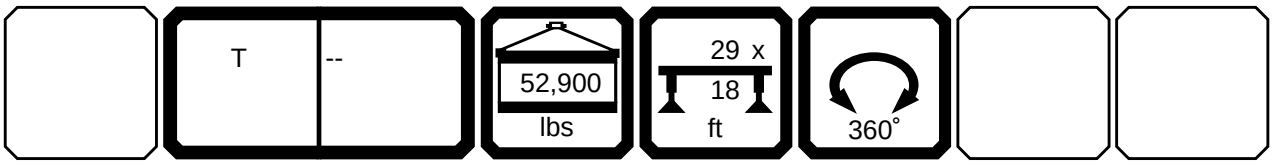
Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)								
	85	85	98	98	98	98	98	98	115	115
9										
10										
11										
12										
13	112,000	112,000								
14	112,000	112,000	125,000	128,000	131,000	124,000	121,000	91,500		
15	112,000	112,000	123,000	125,000	129,000	124,000	121,000	91,500		
16	112,000	112,000	114,000	116,000	119,000	122,000	118,000	91,500	102,000	104,000
17	111,000	110,000	106,000	108,000	112,000	117,000	114,000	90,500	98,500	101,000
18	108,000	107,000	99,000	102,000	105,000	110,000	108,000	89,000	92,500	94,500
20	101,000	100,000	86,000	88,500	91,500	96,500	97,500	86,000	81,000	83,000
22	93,000	94,000	76,500	78,500	81,500	86,500	87,000	81,500	72,000	74,000
24	85,000	86,500	68,000	70,000	72,500	78,000	78,500	77,500	64,500	66,500
26	76,500	78,000	60,500	62,500	65,500	70,000	71,000	73,000	57,600	59,600
28	69,500	71,500	54,700	56,800	59,400	64,000	64,500	68,000	52,200	54,100
30	63,500	65,500	49,300	51,400	53,900	58,600	59,100	62,500	47,200	49,100
32	58,500	60,500	44,800	46,800	49,300	53,900	54,400	57,800	42,900	44,800
34	54,000	55,700	40,800	42,800	45,200	49,700	50,200	53,500	39,200	41,000
36	49,900	51,600	37,100	39,100	41,400	45,900	46,400	49,600	35,700	37,600
38	46,500	48,200	34,000	35,900	38,300	42,700	43,200	46,400	32,800	34,600
40	43,300	44,900	31,200	33,100	35,400	39,700	40,200	43,400	30,100	31,900
45	36,700	38,100	25,200	27,000	29,300	33,500	34,000	37,100	24,300	26,100
50	31,000	32,300	20,400	22,200	24,400	28,600	29,100	32,100	19,800	21,500
55	26,300	27,500	16,400	18,300	20,400	24,500	25,000	27,700	16,000	17,700
60	22,400	23,600	13,100	14,900	17,100	21,000	21,500	23,800	12,700	14,400
65	19,300	20,500	10,400	12,200	14,300	18,100	18,500	20,700	10,100	11,700
70	16,700	18,000	8,200	9,900	11,900	15,400	15,800	18,200	7,800	9,500
75			6,200	7,900	9,700	13,100	13,500	15,900		7,500
80				6,000	7,700	11,200	11,600	13,900		
85				4,400	6,100	9,500	9,900	12,100		
90										
95										
100										
105										
110										
115										
* n *	5	5	6	6	6	6	6	4	5	5
% 1	0+	0+	92+	46+	46+	0+	0+	0+	92+	92+
2	0+	0+	46+	92+	46+	46+	0+	0+	92+	46+
3	0+	0+	46+	46+	46+	46+	92+	0+	46+	46+
4	92+	46+	0+	0+	46+	46+	46+	92+	0+	46+
5	46+	92+	0+	0+	0+	46+	46+	92+	0+	0+
ft/s	33	33	28	28	28	28	28	28	28	28
TAB 133	045	045	045	045	045	045	045	045	045	045



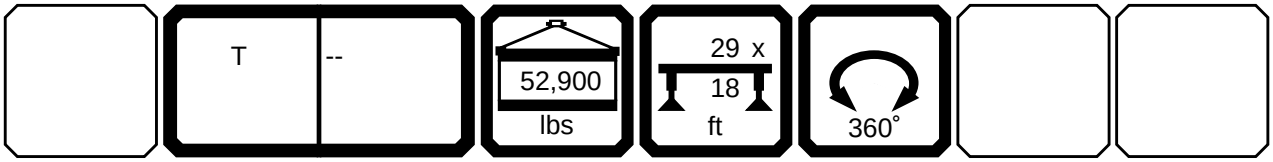
Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)								
	85	85	98	98	98	98	98	98	115	115
120										
125										
130										
* n *	5	5	6	6	6	6	6	4	5	5
1	0+	0+	92+	46+	46+	0+	0+	0+	92+	92+
2	0+	0+	46+	92+	46+	46+	0+	0+	92+	46+
3	0+	0+	46+	46+	46+	46+	92+	0+	46+	46+
4	92+	46+	0+	0+	46+	46+	46+	92+	0+	46+
5	46+	92+	0+	0+	0+	46+	46+	92+	0+	0+
%										
ft/s	33	33	28	28	28	28	28	28	28	28
TAB 133	045	045	045	045	045	045	045	045	045	045



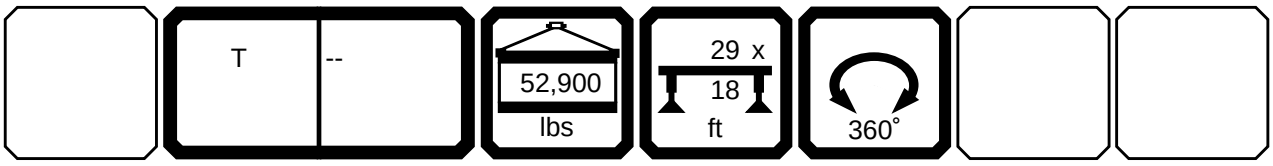
Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)								
	115	115	115	115	115	128	128	128	128	128
9										
10										
11										
12										
13										
14										
15										
16	110,000	111,000	108,000	97,500	90,500					
17	106,000	107,000	106,000	96,000	89,500					
18	100,000	101,000	101,000	94,000	87,500	81,500	83,500	86,500	85,500	85,000
20	88,000	88,500	92,500	89,000	84,000	80,500	82,000	85,000	84,000	84,000
22	79,000	79,500	83,500	82,000	80,500	72,500	74,000	77,000	76,000	77,500
24	71,000	72,000	75,500	75,000	76,000	65,000	66,500	69,500	68,500	71,000
26	64,000	65,000	68,500	68,000	70,500	58,900	60,500	63,000	62,500	64,500
28	58,600	59,300	63,000	62,500	65,000	53,800	55,300	58,000	57,200	59,400
30	53,500	54,200	57,700	57,400	59,900	49,100	50,600	53,300	52,400	54,600
32	49,200	49,900	53,300	53,000	55,500	45,100	46,600	49,200	48,300	50,500
34	45,300	46,000	49,400	49,100	51,500	41,500	43,000	45,500	44,700	46,800
36	41,800	42,400	45,800	45,500	47,900	38,200	39,600	42,200	41,300	43,400
38	38,800	39,400	42,700	42,500	44,800	35,400	36,800	39,300	38,500	40,500
40	36,000	36,600	39,900	39,600	42,000	32,700	34,200	36,700	35,800	37,900
45	30,200	30,800	34,000	33,700	36,000	27,200	28,600	31,000	30,200	32,200
50	25,500	26,100	29,200	29,000	31,200	22,800	24,200	26,500	25,700	27,700
55	21,600	22,200	25,200	25,000	27,200	19,000	20,400	22,700	21,900	23,900
60	18,300	18,900	21,900	21,600	23,800	15,900	17,200	19,500	18,700	20,700
65	15,600	16,100	19,100	18,900	21,000	13,200	14,600	16,800	16,100	18,000
70	13,300	13,800	16,800	16,500	18,400	11,000	12,300	14,600	13,800	15,700
75	11,300	11,800	14,600	14,400	16,200	9,100	10,400	12,600	11,800	13,700
80	9,500	10,000	12,600	12,400	14,100	7,300	8,700	10,800	10,100	11,900
85	7,900	8,300	10,800	10,600	12,400	5,800	7,200	9,300	8,500	10,400
90	6,400	6,900	9,400	9,200	10,900		5,900	8,000	7,200	8,900
95	5,200	5,600	8,100	7,900	9,600			6,700	6,000	7,600
100	4,100	4,500	7,000	6,800	8,400			5,500	4,800	6,400
105								4,500		5,400
110								3,600		4,500
115										3,700
* n *	5	5	5	5	4	4	4	4	4	4
1	46+	0+	0+	0+	0+	92+	46+	46+	0+	0+
2	46+	92+	46+	0+	0+	46+	92+	46+	92+	46+
3	46+	46+	46+	92+	46+	46+	46+	46+	92+	92+
4	46+	46+	46+	92+	92+	46+	46+	46+	46+	92+
5	46+	46+	92+	46+	92+	46+	46+	92+	46+	46+
%										
ft/s	28	28	28	28	28	28	28	28	28	28
TAB 133	045	045	045	045	045	045	045	045	045	045



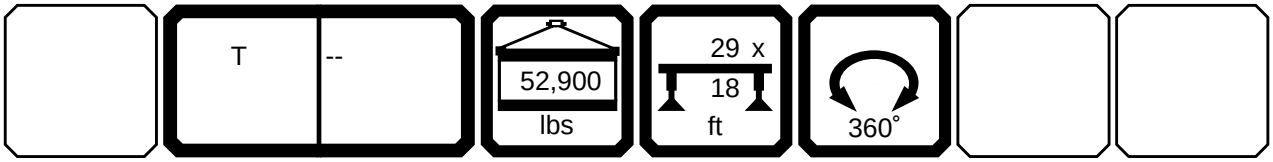
Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈	L133 0400 .x(x)							
	115	115	115	115	115	128	128	128	128	128
120										
125										
130										
* n *	5	5	5	5	4	4	4	4	4	4
1	46+	0+	0+	0+	0+	92+	46+	46+	0+	0+
2	46+	92+	46+	0+	0+	46+	92+	46+	92+	46+
3	46+	46+	46+	92+	46+	46+	46+	46+	92+	92+
4	46+	46+	46+	92+	92+	46+	46+	46+	46+	92+
5	46+	46+	92+	46+	92+	46+	46+	92+	46+	46+
%										
ft/s	28	28	28	28	28	28	28	28	28	28
TAB 133	045	045	045	045	045	045	045	045	045	045



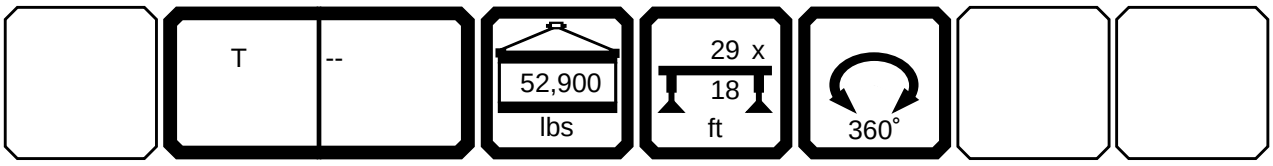
Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)								
	128	128	141	141	141	141	141	157	157	157
9										
10										
11										
12										
13										
14										
15										
16										
17										
18	81,500	68,500								
20	81,000	68,500								
22	77,500	68,500	64,500	66,500	68,500	68,500	66,000			
24	72,500	67,500	61,500	63,500	66,000	65,500	65,000			
26	66,000	66,000	55,700	57,900	61,000	60,500	62,500	52,700	55,700	57,600
28	61,000	61,500	51,000	53,200	56,400	55,700	58,200	48,900	51,900	53,800
30	55,900	56,700	46,600	48,800	51,900	51,200	53,700	44,800	47,800	49,600
32	51,800	52,600	42,800	45,000	48,100	47,400	49,900	41,300	44,200	46,000
34	48,100	48,900	39,500	41,600	44,700	44,000	46,400	38,100	41,000	42,800
36	44,700	45,500	36,300	38,500	41,500	40,800	43,200	35,100	38,000	39,800
38	41,900	42,600	33,700	35,800	38,800	38,100	40,500	32,600	35,500	37,200
40	39,200	39,900	31,200	33,300	36,300	35,500	37,900	30,300	33,100	34,900
45	33,500	34,200	25,900	28,000	30,900	30,200	32,500	25,300	28,000	29,700
50	29,000	29,600	21,700	23,700	26,500	25,800	28,100	21,200	23,900	25,600
55	25,100	25,800	18,100	20,100	22,900	22,200	24,500	17,700	20,400	22,100
60	21,900	22,500	15,100	17,000	19,800	19,100	21,300	14,800	17,400	19,100
65	19,200	19,800	12,500	14,400	17,100	16,500	18,700	12,300	14,900	16,500
70	16,900	17,500	10,400	12,300	14,900	14,300	16,500	10,200	12,800	14,400
75	14,900	15,500	8,400	10,300	13,000	12,300	14,500	8,300	10,900	12,500
80	13,100	13,700	6,800	8,600	11,300	10,600	12,800	6,700	9,200	10,800
85	11,500	11,900	5,300	7,100	9,800	9,100	11,200	5,300	7,700	9,400
90	10,000	10,500		5,900	8,400	7,800	9,900		6,500	8,100
95	8,700	9,100			7,300	6,600	8,700		5,300	6,900
100	7,500	7,900			6,200	5,500	7,500			5,800
105	6,400	6,800			5,200		6,500			4,900
110	5,500	5,900			4,200		5,500			4,000
115	4,700	5,100					4,700			
* n *	4	3	3	3	3	3	3	3	3	3
1	0+	0+	92+	46+	46+	0+	0+	92+	46+	46+
2	46+	0+	92+	92+	46+	92+	46+	92+	92+	46+
3	46+	92+	46+	92+	46+	92+	92+	92+	92+	92+
4	92+	92+	46+	46+	92+	92+	92+	46+	92+	92+
5 %	92+	92+	46+	46+	92+	46+	92+	46+	46+	92+
ft/s	28	28	28	28	28	28	28	28	28	28
TAB 133	045	045	045	045	045	045	045	045	045	045



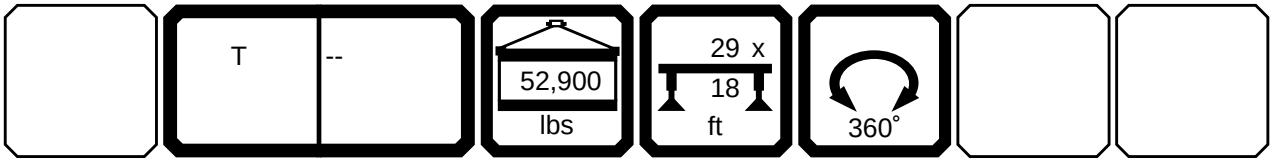
Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)								
	128	128	141	141	141	141	141	157	157	157
120							3,900			
125							3,200			
130							2,600			
* n *	4	3	3	3	3	3	3	3	3	3
1	0+	0+	92+	46+	46+	0+	0+	92+	46+	46+
2	46+	0+	92+	92+	46+	92+	46+	92+	92+	46+
3	46+	92+	46+	92+	46+	92+	92+	92+	92+	92+
4	92+	92+	46+	46+	92+	92+	92+	46+	92+	92+
5	92+	92+	46+	46+	92+	46+	92+	46+	46+	92+
%										
ft/s	28	28	28	28	28	28	28	28	28	28
TAB 133	045	045	045	045	045	045	045	045	045	045



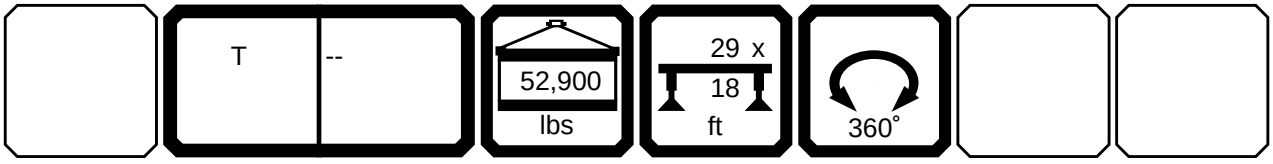
Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)								
	157	**171**	**171**	**184**	**197**	**59**	**72**	**85**	**98**	**59**
9										
10										
11						71,000				75,500
12						71,000				75,500
13						71,000	60,500	51,800		75,500
14						71,000	60,000	51,600	36,000	75,500
15						71,000	60,000	51,300	35,900	75,500
16						71,000	59,800	51,100	35,300	75,500
17						71,000	59,700	50,800	34,800	75,500
18						71,000	59,500	50,600	34,300	75,500
20						71,000	59,300	50,100	33,300	75,500
22						71,000	59,100	49,700	32,400	75,500
24						71,000	58,900	49,400	31,500	75,500
26	58,200					71,000	58,800	49,100	30,600	75,500
28	54,300	44,900	47,600			68,000	58,800	48,800	29,800	71,500
30	50,100	44,100	46,900			64,000	57,800	48,400	29,100	67,000
32	46,500	40,800	43,500	39,300		58,400	53,800	47,700	28,400	60,500
34	43,300	37,700	40,500	37,700		52,800	49,600	45,000	27,700	54,700
36	40,300	34,900	37,600	35,100	33,800	47,500	45,300	41,000	27,000	49,300
38	37,700	32,500	35,200	32,800	31,700	43,300	41,800	37,700	26,400	45,000
40	35,300	30,300	32,900	30,600	29,700	39,500	38,500	34,700	25,800	41,200
45	30,200	25,500	28,100	26,000	25,200	31,900	31,500	28,300	24,300	33,500
50	26,000	21,500	24,100	22,200	21,500		25,900	23,400	20,400	
55	22,500	18,200	20,700	18,900	18,400		21,200	19,200	16,400	
60	19,500	15,300	17,800	16,200	15,700			15,700	13,100	
65	16,900	12,900	15,400	13,800	13,400			12,600	10,400	
70	14,800	10,800	13,300	11,800	11,400			10,100	8,200	
75	12,900	9,000	11,500	10,000	9,700				6,200	
80	11,200	7,400	9,800	8,400	8,100					
85	9,700	6,000	8,400	7,000	6,700					
90	8,400		7,100	5,800	5,500					
95	7,200		6,000							
100	6,200		5,000							
105	5,200									
110	4,400									
115										
* n *	3	2	3	2	2	4	3	3	2	4
1	0+	92+	46+	92+	100+	0+	0+	46-	92-	0+
2	92+	92+	92+	92+	100+	0+	46-	46+	46+	0+
3	92+	92+	92+	92+	100+	46-	46+	46+	46+	0+
4	92+	92+	92+	92+	100+	0+	0+	0+	0+	46-
% 5	92+	46+	92+	92+	100+	0+	0+	0+	0+	0+
ft/s	28	28	28	28	28	36	33	33	28	36
TAB 133	045	045	045	045	045	045	045	045	045	045



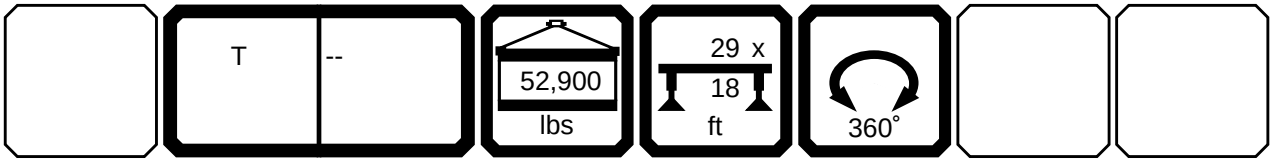
Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)								
	157	171	171	184	197	59	72	85	98	59
120										
125										
130										
* n *	3	2	3	2	2	4	3	3	2	4
1	0+	92+	46+	92+	100+	0+	0+	46-	92-	0+
2	92+	92+	92+	92+	100+	0+	46-	46+	46+	0+
3	92+	92+	92+	92+	100+	46-	46+	46+	46+	0+
4	92+	92+	92+	92+	100+	0+	0+	0+	0+	46-
5	92+	46+	92+	92+	100+	0+	0+	0+	0+	0+
%										
ft/s	28	28	28	28	28	36	33	33	28	36
TAB 133	045	045	045	045	045	045	045	045	045	045



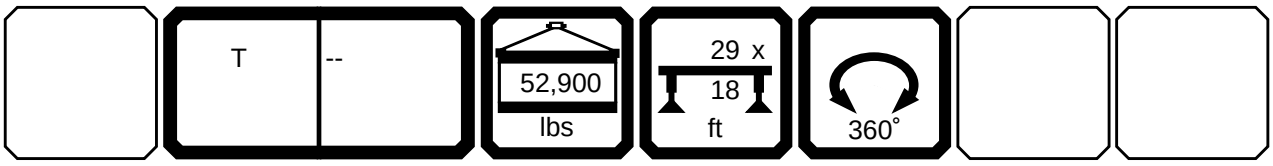
Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)								
	98	115	85	98	115	59	72	85	98	115
9										
10										
11						79,000				
12						79,000				
13			47,800			79,000	73,000	64,000		
14	50,900		47,200	50,500		79,000	72,500	64,000	58,300	
15	50,800		46,100	50,400		79,000	72,500	63,500	58,200	
16	50,500	34,600	43,300	50,100	34,100	79,000	72,500	63,000	57,900	49,900
17	50,200	34,300	41,900	49,700	33,800	79,000	72,000	63,000	57,600	49,700
18	49,900	33,700	41,400	49,400	33,200	79,000	72,000	62,500	57,300	49,400
20	49,300	32,700	40,500	48,800	32,100	79,000	71,500	62,000	56,600	48,800
22	48,800	31,700	39,600	48,300	31,100	79,000	71,500	61,500	56,100	48,200
24	48,300	30,800	38,700	47,800	30,200	79,000	71,000	61,000	55,500	47,600
26	47,800	29,900	38,000	47,300	29,200	79,000	71,000	61,000	55,000	47,000
28	47,400	29,100	37,200	46,800	28,400	74,000	69,000	60,500	54,500	46,500
30	47,000	28,200	36,500	45,800	27,500	68,500	66,500	59,600	53,800	45,400
32	46,600	27,500	35,900	42,900	26,800	62,000	61,000	56,900	52,500	42,600
34	44,600	26,800	35,300	40,700	26,000	56,000	56,200	53,400	49,700	41,200
36	41,400	26,100	34,700	39,000	25,300	50,600	51,800	49,300	45,900	40,800
38	38,300	25,400	34,100	35,900	24,600	46,300	47,900	45,900	42,700	38,500
40	35,400	24,500	33,200	33,100	23,600	42,400	44,200	42,800	39,700	36,000
45	29,300	20,400	28,900	27,000	19,600	34,600	36,400	36,200	33,500	30,200
50	24,400	18,900	24,300	22,200	18,100		30,500	30,600	28,600	25,500
55	20,400	17,100	20,100	18,300	15,900		25,700	25,900	24,500	21,600
60	17,100	14,400	16,500	14,900	12,700			22,000	21,000	18,300
65	14,300	11,700	13,300	12,200	10,100			18,900	18,100	15,600
70	11,900	9,500	10,800	9,900	7,800			16,300	15,400	13,300
75	9,700	7,500		7,900					13,100	11,300
80	7,700			6,000					11,200	9,500
85	6,100			4,400					9,500	7,900
90										6,400
95										5,200
100										4,100
105										
110										
115										
* n *	3	2	3	3	2	4	4	3	3	3
1	46-	92-	0+	46-	92-	0+	0+	0+	0+	46-
2	46-	46+	92-	92+	92+	0+	0+	0+	46-	46+
3	46-	46+	46+	46+	46+	0+	0+	46-	46+	46+
4	46+	46+	0+	0+	0+	0+	46-	46+	46+	46+
5	0+	0+	0+	0+	0+	46-	46+	46+	46+	46+
%										
ft/s	28	28	33	28	28	36	33	33	28	28
TAB 133	045	045	045	045	045	045	045	045	045	045



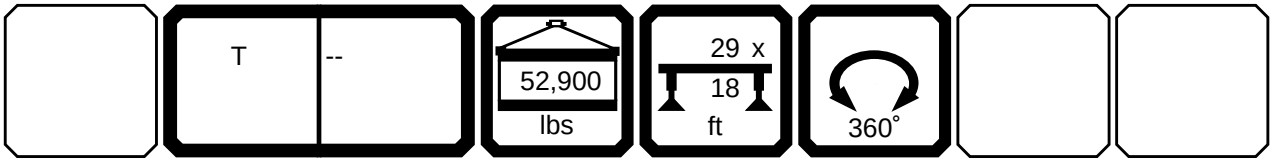
Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)								
	98	115	85	98	115	59	72	85	98	115
120										
125										
130										
* n *	3	2	3	3	2	4	4	3	3	3
1	46-	92-	0+	46-	92-	0+	0+	0+	0+	46-
2	46-	46+	92-	92+	92+	0+	0+	0+	46-	46+
3	46-	46+	46+	46+	46+	0+	0+	46-	46+	46+
4	46+	46+	0+	0+	0+	0+	46-	46+	46+	46+
5	0+	0+	0+	0+	0+	46-	46+	46+	46+	46+
%										
ft/s	28	28	33	28	28	36	33	33	28	28
TAB 133	045	045	045	045	045	045	045	045	045	045



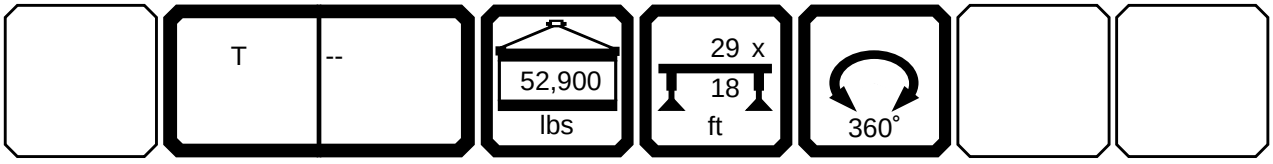
Main Boom - Outriggers 29' x 18'

ft	ft> < lbs CODE 〉0005〈 L133 0400 .x(x)									
	128	72	85	115	128	115	128	141	98	115
9										
10										
11										
12										
13		60,000	71,500							
14		59,500	71,000						52,500	
15		59,000	71,000						52,300	
16		58,400	70,500	57,200		40,300			51,600	61,500
17		57,900	70,000	57,000		39,900			50,900	61,000
18	32,600	57,500	70,000	56,600	48,700	39,400	48,200		50,300	61,000
20	32,400	56,500	69,000	55,900	48,600	38,300	48,000		49,000	60,000
22	31,400	55,700	66,000	55,300	47,900	37,200	47,400	30,100	47,900	59,400
24	30,500	54,900	64,500	54,700	47,300	36,300	45,400	29,600	45,800	58,700
26	29,500	54,100	64,500	54,000	46,700	35,300	42,300	28,700	42,800	58,000
28	28,700	53,400	64,000	53,500	44,000	34,500	41,500	27,800	41,700	57,400
30	27,900	52,800	63,000	52,800	41,600	33,600	41,000	26,900	40,900	56,500
32	27,100	52,200	59,500	51,900	41,200	32,800	40,500	26,100	40,100	54,500
34	26,300	51,600	55,700	49,400	40,700	32,000	40,000	25,300	39,300	51,500
36	25,600	51,200	51,600	45,800	40,300	31,300	39,500	24,500	38,600	47,900
38	25,000	47,800	48,200	42,700	38,600	30,600	36,800	23,800	37,900	44,800
40	24,000	44,500	44,900	39,900	36,700	30,000	34,200	22,800	37,300	42,000
45	20,000	36,600	38,100	34,000	31,000	28,400	28,600	19,000	35,800	36,000
50	18,500	30,700	32,300	29,200	26,500	25,500	24,200	17,400	31,900	31,200
55	17,400	26,000	27,500	25,200	22,700	22,200	20,400	16,300	27,700	27,200
60	15,900		23,600	21,900	19,500	18,900	17,200	15,100	23,800	23,800
65	13,200		20,500	19,100	16,800	16,100	14,600	12,500	20,700	21,000
70	11,000		18,000	16,800	14,600	13,800	12,300	10,400	18,200	18,400
75	9,100			14,600	12,600	11,800	10,400	8,400	15,900	16,200
80	7,300			12,600	10,800	10,000	8,700	6,800	13,900	14,100
85	5,800			10,800	9,300	8,300	7,200	5,300	12,100	12,400
90				9,400	8,000	6,900	5,900			10,900
95				8,100	6,700	5,600				9,600
100				7,000	5,500	4,500				8,400
105					4,500					
110					3,600					
115										
* n *	2	3	4	3	3	2	3	2	3	3
% 1	92-	0+	0+	0+	46-	0+	46-	92-	0+	0+
% 2	46+	0+	0+	46-	46+	92-	92+	92+	0+	0+
% 3	46+	0+	0+	46-	46+	46+	46+	46+	0+	46-
% 4	46+	0+	46-	46+	46+	46+	46+	46+	92-	92+
% 5	46+	92-	92+	92+	92+	46+	46+	46+	92+	92+
ft/s	28	33	33	28	28	28	28	28	28	28
TAB 133	045	045	045	045	045	045	045	045	045	045



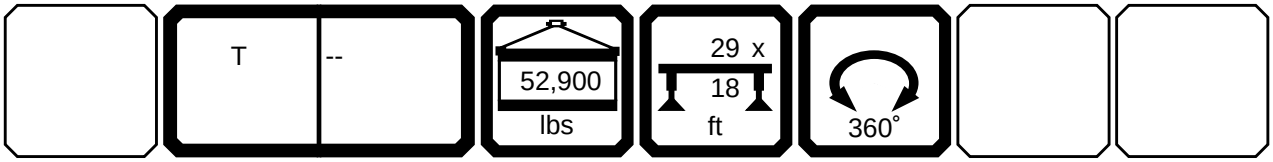
Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)								
	128	72	85	115	128	115	128	141	98	115
120										
125										
130										
* n *	2	3	4	3	3	2	3	2	3	3
1	92-	0+	0+	0+	46-	0+	46-	92-	0+	0+
2	46+	0+	0+	46-	46+	92-	92+	92+	0+	0+
3	46+	0+	0+	46-	46+	46+	46+	46+	0+	46-
4	46+	0+	46-	46+	46+	46+	46+	46+	92-	92+
5 %	46+	92-	92+	92+	92+	46+	46+	46+	92+	92+
ft/s	28	33	33	28	28	28	28	28	28	28
TAB 133	045	045	045	045	045	045	045	045	045	045



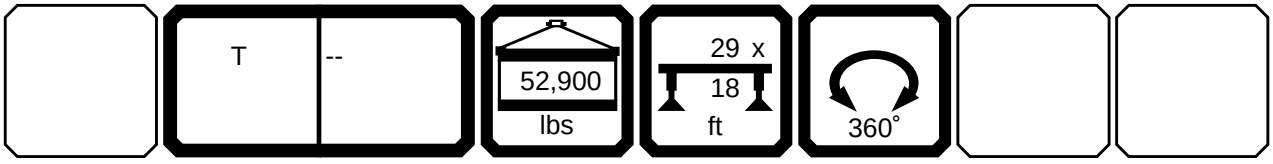
Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)								
	128	141	98	128	141	157	128	141	157	85
9										
10										
11										
12										
13										55,100
14			49,400							54,500
15			49,200							53,900
16			48,600							53,300
17			47,900							52,700
18	55,500		47,300	37,700			41,300			52,100
20	55,400		45,800	37,500			41,100			51,000
22	54,700	47,300	42,700	36,400	46,600		40,000	53,800		49,900
24	54,000	47,000	40,800	35,400	45,000		38,900	53,400		48,900
26	53,300	46,300	39,900	34,400	41,900	28,100	37,900	52,700	41,600	48,000
28	52,700	43,600	39,000	33,500	41,000	27,300	37,000	52,000	41,200	47,100
30	51,900	41,200	38,200	32,600	40,500	26,500	36,100	51,000	40,600	45,800
32	50,700	40,700	37,500	31,700	40,000	25,600	35,200	49,100	40,100	43,200
34	48,100	40,300	36,700	30,900	39,200	24,800	34,400	46,400	39,600	41,700
36	44,700	39,800	36,000	30,200	38,400	24,000	33,600	43,200	39,100	41,100
38	41,900	38,100	35,400	29,400	35,800	21,400	32,900	40,500	37,000	40,500
40	39,200	36,300	34,700	28,700	33,300	19,300	32,200	37,900	34,900	39,700
45	33,500	30,900	33,200	27,100	28,000	18,000	30,500	32,500	29,700	36,200
50	29,000	26,500	29,100	24,800	23,700	16,900	28,500	28,100	25,600	31,000
55	25,100	22,900	25,000	21,900	20,100	15,800	25,800	24,500	22,100	26,300
60	21,900	19,800	21,500	18,700	17,000	14,600	22,500	21,300	19,100	22,400
65	19,200	17,100	18,500	16,100	14,400	12,300	19,800	18,700	16,500	19,300
70	16,900	14,900	15,800	13,800	12,300	10,200	17,500	16,500	14,400	16,700
75	14,900	13,000	13,500	11,800	10,300	8,300	15,500	14,500	12,500	
80	13,100	11,300	11,600	10,100	8,600	6,700	13,700	12,800	10,800	
85	11,500	9,800	9,900	8,500	7,100	5,300	11,900	11,200	9,400	
90	10,000	8,400		7,200	5,900		10,500	9,900	8,100	
95	8,700	7,300		6,000			9,100	8,700	6,900	
100	7,500	6,200		4,800			7,900	7,500	5,800	
105	6,400	5,200					6,800	6,500	4,900	
110	5,500	4,200					5,900	5,500	4,000	
115	4,700						5,100	4,700		
* n *	3	3	3	2	3	2	2	3	2	3
1	0+	46-	0+	0+	46-	92-	0+	0+	46-	0+
2	46-	46+	0+	92-	92+	92+	0+	46-	46+	0+
3	46+	46+	92-	92+	92+	92+	92-	92+	92+	0+
4	92+	92+	46+	46+	46+	46+	92+	92+	92+	92-
5	92+	92+	46+	46+	46+	46+	92+	92+	92+	46+
%										
ft/s	28	28	28	28	28	28	28	28	28	33
TAB 133	045	045	045	045	045	045	045	045	045	045



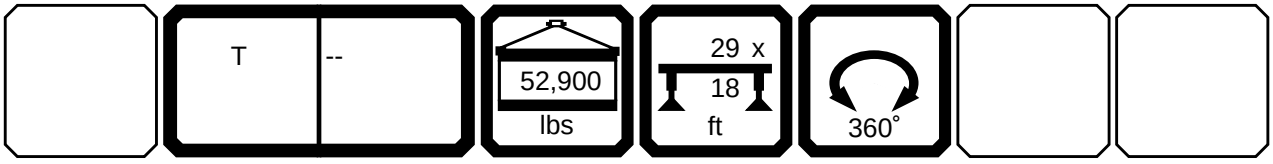
Main Boom - Outriggers 29' x 18'

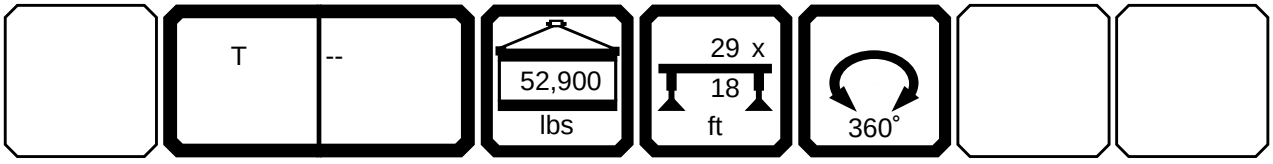
ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)								
	128	141	98	128	141	157	128	141	157	85
120								3,900		
125								3,200		
130								2,600		
* n *	3	3	3	2	3	2	2	3	2	3
1	0+	46-	0+	0+	46-	92-	0+	0+	46-	0+
2	46-	46+	0+	92-	92+	92+	0+	46-	46+	0+
3	46+	46+	92-	92+	92+	92+	92-	92+	92+	0+
4	92+	92+	46+	46+	46+	46+	92+	92+	92+	92-
5	92+	92+	46+	46+	46+	46+	92+	92+	92+	46+
%										
ft/s	28	28	28	28	28	28	28	28	28	33
TAB 133	045	045	045	045	045	045	045	045	045	045



Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)							
	115	128	141	157	171	157	171	184	197
9									
10									
11									
12									
13									
14									
15									
16	47,100								
17	46,100								
18	44,400	55,300							
20	41,500	55,200							
22	40,500	54,400	35,400						
24	39,400	53,700	34,900						
26	38,500	53,000	33,900	41,300		33,400			
28	37,600	52,400	32,900	40,800	26,300	32,500	40,200		
30	36,700	51,500	32,000	40,300	26,100	31,600	40,000		
32	35,900	49,600	31,200	39,800	25,300	30,700	39,500	25,100	
34	35,100	46,800	30,300	38,900	24,500	29,900	38,600	24,600	
36	34,300	43,400	29,500	37,900	23,700	29,100	37,600	23,800	15,700
38	33,600	40,500	28,800	35,500	21,100	28,300	35,200	21,200	15,200
40	32,900	37,900	28,000	33,100	19,000	27,600	32,900	19,200	14,600
45	31,300	32,200	26,400	28,000	17,800	25,900	28,100	17,900	13,200
50	28,400	27,700	24,600	23,900	16,600	24,400	24,100	16,800	12,000
55	25,000	23,900	22,200	20,400	15,500	21,900	20,700	15,700	10,900
60	21,600	20,700	19,100	17,400	14,400	18,800	17,800	14,700	9,900
65	18,900	18,000	16,500	14,900	12,800	16,900	15,400	13,600	9,000
70	16,500	15,700	14,300	12,800	10,800	14,800	13,300	11,800	8,100
75	14,400	13,700	12,300	10,900	9,000	12,900	11,500	10,000	7,300
80	12,400	11,900	10,600	9,200	7,400	11,200	9,800	8,400	6,600
85	10,600	10,400	9,100	7,700	6,000	9,700	8,400	7,000	6,000
90	9,200	8,900	7,800	6,500		8,400	7,100	5,800	5,300
95	7,900	7,600	6,600	5,300		7,200	6,000		
100	6,800	6,400	5,500			6,200	5,000		
105		5,400				5,200			
110		4,500				4,400			
115		3,700							
* n *	3	3	2	2	2	2	2	2	1
% 1	0+	0+	0+	46-	92-	0+	46-	92-	100-
2	0+	46-	92-	92+	92+	92-	92+	92-	100-
3	92-	92+	92+	92+	92+	92+	92+	92-	100-
4	92+	92+	92+	92+	92+	92+	92+	92-	100-
5	46+	46+	46+	46+	46+	92+	92+	92-	100-
ft/s	28	28	28	28	28	28	28	28	28
TAB 133	045	045	045	045	045	045	045	045	045



Main Boom - Outriggers 29' x 18'

ft	ft> < lbs	CODE 〉0005〈 L133 0400 .x(x)								
	115	128	141	157	171	157	171	184	197	
120										
125										
130										
* n *	3	3	2	2	2	2	2	2	1	
1	0+	0+	0+	46-	92-	0+	46-	92-	100-	
2	0+	46-	92-	92+	92+	92-	92+	92-	100-	
3	92-	92+	92+	92+	92+	92+	92+	92-	100-	
4	92+	92+	92+	92+	92+	92+	92+	92-	100-	
5	46+	46+	46+	46+	46+	92+	92+	92-	100-	
%										
ft/s	28	28	28	28	28	28	28	28	28	
TAB 133	045	045	045	045	045	045	045	045	045