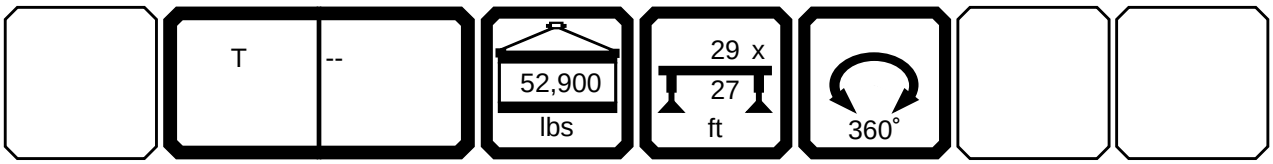
STERLING CRANE

LIFTING CHARTS - All Terrain Cranes

LIEBHERR MODEL LTM 1200/1 - 250 TON CAPACITY

Main Boom - Outriggers 29' x 27'

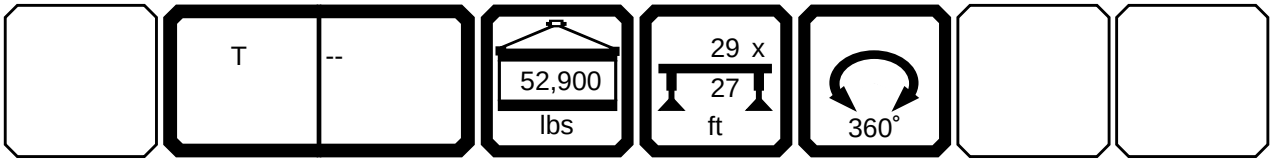
ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .x(x)								
	43	59	59	59	72	72	72	85	85	85
9	305,000									
10	303,000									
11	287,000	259,000								
12	273,000	259,000	139,000	125,000						
13	259,000	256,000	139,000	125,000	251,000		112,000	209,000	190,000	
14	246,000	246,000	140,000	126,000	243,000	125,000	112,000	207,000	185,000	124,000
15	234,000	234,000	141,000	127,000	234,000	125,000	112,000	204,000	180,000	124,000
16	222,000	223,000	142,000	127,000	222,000	125,000	111,000	202,000	174,000	124,000
17	211,000	212,000	143,000	128,000	212,000	126,000	109,000	196,000	169,000	125,000
18	201,000	202,000	144,000	130,000	202,000	127,000	106,000	188,000	165,000	125,000
20	182,000	183,000	147,000	132,000	182,000	128,000	99,000	171,000	155,000	126,000
22	166,000	166,000	149,000	132,000	163,000	128,000	93,000	150,000	146,000	128,000
24	151,000	152,000	146,000	129,000	145,000	128,000	88,000	133,000	134,000	128,000
26	138,000	138,000	139,000	123,000	129,000	128,000	83,000	118,000	120,000	127,000
28	125,000	125,000	128,000	118,000	116,000	121,000	79,000	107,000	108,000	117,000
30	113,000	113,000	116,000	112,000	105,000	113,000	75,000	97,000	98,000	107,000
32	100,000	101,000	104,000	104,000	96,000	104,000	71,500	88,500	90,000	98,000
34		91,000	93,000	94,500	88,000	95,000	68,000	81,500	82,500	90,500
36		82,000	84,000	85,500	81,000	87,500	64,500	75,000	76,000	84,000
38		75,000	76,500	78,000	74,500	80,000	61,500	69,500	70,500	78,000
40		68,500	70,000	71,500	68,000	73,500	58,700	64,500	65,500	73,000
45		56,000	57,600	58,900	55,700	60,500	53,600	53,500	54,600	61,000
50					46,200	51,200	49,100	44,700	45,600	51,400
55					38,700	43,600	43,700	37,300	38,100	43,700
60								31,300	32,000	37,500
65								26,600	27,300	32,700
70								22,700	23,400	28,800
75										
80										
85										
90										
95										
100										
105										
110										
115										
* n *	14!	13	7	6	12	6	5	10	9	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	035	035	035	035	035	035	035	035	035	035



STERLING CRANE

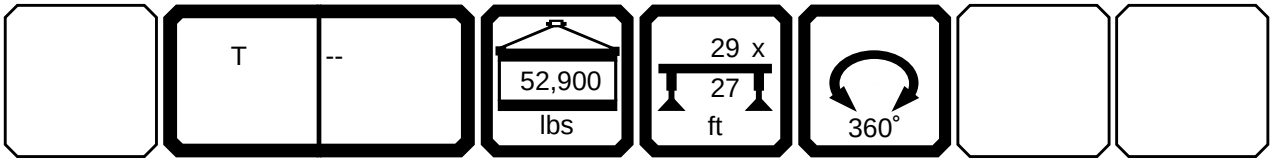
Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .x(x)								
	43	**59**	**59**	**59**	**72**	**72**	**72**	**85**	**85**	**85**
120										
125										
130										
135										
140										
145										
150										
155										
* n *	14!	13	7	6	12	6	5	10	9	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	035	035	035	035	035	035	035	035	035	035



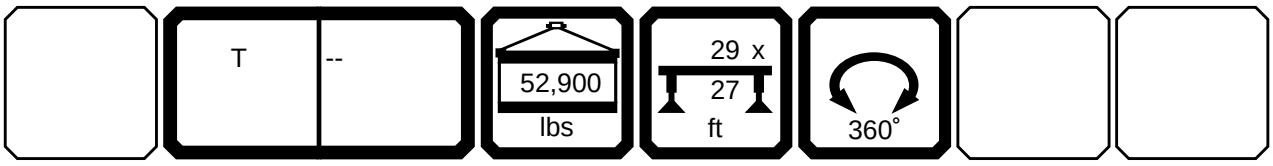
Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .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	167,000	168,000			121,000	91,500		
15	112,000	112,000	166,000	168,000	138,000	124,000	121,000	91,500		
16	112,000	112,000	163,000	166,000	138,000	124,000	118,000	91,500	130,000	132,000
17	111,000	110,000	159,000	163,000	138,000	124,000	115,000	90,500	130,000	132,000
18	108,000	107,000	155,000	159,000	138,000	125,000	112,000	89,000	129,000	131,000
20	102,000	100,000	146,000	150,000	138,000	125,000	106,000	86,000	127,000	129,000
22	96,500	94,500	134,000	137,000	136,000	126,000	101,000	81,500	122,000	125,000
24	91,000	89,000	122,000	124,000	127,000	124,000	96,000	77,500	115,000	117,000
26	86,000	84,000	109,000	111,000	114,000	119,000	91,000	73,000	103,000	106,000
28	82,000	80,000	99,000	101,000	104,000	109,000	87,000	70,000	94,000	96,500
30	78,000	76,000	89,500	92,000	94,500	100,000	83,000	67,000	85,500	87,500
32	75,000	72,500	82,000	84,000	87,000	92,000	79,500	64,000	78,500	80,500
34	71,500	69,500	75,500	77,500	80,000	85,000	76,000	61,000	72,500	74,500
36	68,500	66,500	69,500	71,500	74,000	79,000	72,500	58,700	66,500	68,500
38	66,000	63,500	64,000	66,000	69,000	73,500	70,000	56,300	61,500	63,500
40	63,000	61,000	59,200	61,500	64,000	68,500	67,000	54,100	57,000	59,000
45	56,900	54,700	49,100	51,200	53,700	58,400	58,600	48,800	47,400	49,400
50	50,600	50,300	41,300	43,300	45,700	50,100	50,600	44,800	40,000	41,900
55	44,200	45,200	34,900	36,900	39,000	42,900	43,300	41,200	33,900	35,700
60	37,900	39,200	29,600	31,500	33,300	36,700	37,100	37,900	28,800	30,600
65	33,000	34,300	25,100	26,800	28,500	31,800	32,200	34,400	24,600	26,400
70	29,100	30,400	21,100	22,800	24,600	28,000	28,300	30,600	21,200	22,900
75			17,700	19,300	21,300	24,600	25,000	27,200	18,000	19,600
80			14,800	16,400	18,300	21,800	22,200	24,300	15,100	16,700
85			12,300	14,000	15,800	19,400	19,700	21,900	12,600	14,100
90									10,500	12,000
95									8,700	10,200
100									7,000	8,500
105										
110										
115										
* n *	5	5	8	8	7	6	6	4	6	6
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	035	035	035	035	035	035	035	035	035	035



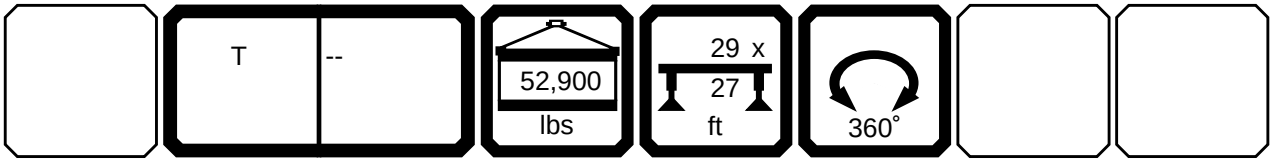
Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .x(x)								
	85	**85**	**98**	**98**	**98**	**98**	**98**	**98**	**115**	**115**
120 **125**										
130 **135**										
140 **145**										
150 **155**										
* n *	5	5	8	8	7	6	6	4	6	6
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	035	035	035	035	035	035	035	035	035	035



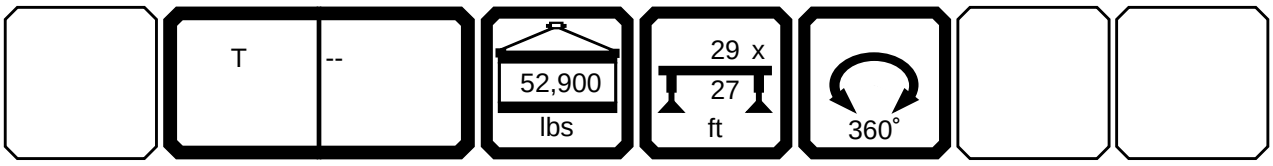
Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈	L133 0B00 .x(x)							
	115	115	115	115	115	128	128	128	128	128
9										
10										
11										
12										
13										
14										
15										
16		124,000	108,000	97,500	90,500					
17	125,000	122,000	107,000	96,000	89,500					
18	125,000	119,000	105,000	94,000	87,500	108,000	106,000	91,500	91,500	85,000
20	125,000	113,000	102,000	89,500	84,000	108,000	105,000	91,500	91,500	84,500
22	126,000	108,000	97,500	86,000	80,500	106,000	103,000	91,500	90,500	82,000
24	121,000	104,000	94,000	82,500	77,500	104,000	100,000	91,000	88,000	79,000
26	110,000	99,000	90,000	79,000	74,500	100,000	96,500	89,500	85,000	76,500
28	101,000	95,000	87,000	75,500	71,500	93,500	92,500	87,000	82,000	74,500
30	92,500	90,500	83,500	72,000	69,000	86,000	88,000	84,500	79,000	72,000
32	85,500	85,500	80,500	69,000	66,000	79,500	81,000	82,000	76,000	70,000
34	79,000	79,500	77,500	66,500	63,500	73,500	75,000	77,500	73,500	68,000
36	73,000	74,000	75,000	64,000	61,500	68,000	70,000	72,500	70,500	65,500
38	68,000	69,000	71,500	61,500	59,300	63,500	65,000	68,000	66,500	63,000
40	63,500	64,500	68,000	59,100	57,200	59,100	60,500	63,500	62,500	61,000
45	53,900	54,600	58,100	53,700	52,200	49,900	51,500	54,100	53,300	54,800
50	46,300	46,900	50,400	48,800	47,600	42,700	44,200	46,800	46,000	48,100
55	40,000	40,600	43,800	43,600	43,600	36,800	38,200	40,800	39,900	42,000
60	34,800	35,400	38,200	38,000	39,800	31,800	33,200	35,700	34,900	36,900
65	30,300	30,800	33,300	33,100	34,900	27,700	29,100	31,600	30,700	32,800
70	26,500	26,900	29,400	29,200	30,900	24,300	25,700	28,000	27,300	29,000
75	23,100	23,600	26,000	25,800	27,500	21,300	22,700	24,700	24,100	25,600
80	20,200	20,700	23,100	22,900	24,600	18,700	19,900	21,800	21,200	22,800
85	17,700	18,100	20,700	20,500	22,100	16,100	17,300	19,300	18,600	20,300
90	15,500	16,000	18,600	18,400	20,000	13,900	15,200	17,100	16,400	18,100
95	13,600	14,100	16,700	16,500	18,200	12,000	13,200	15,200	14,500	16,200
100	12,000	12,400	15,000	14,800	16,500	10,300	11,500	13,500	12,700	14,400
105						8,800	10,000	11,900	11,200	12,900
110						7,500	8,700	10,600	9,900	11,600
115						6,400	7,600	9,400	8,700	10,400
* n *	6	6	5	5	4	5	5	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	035	035	035	035	035	035	035	035	035	035



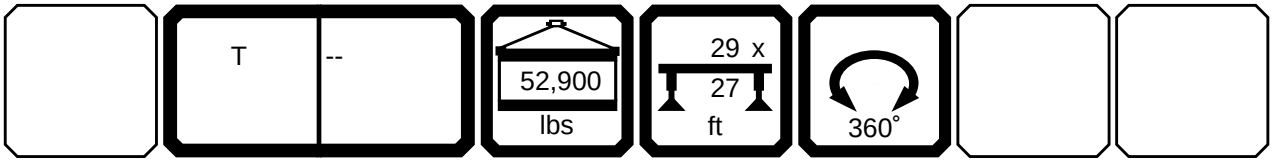
Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .x(x)								
	115	115	115	115	115	128	128	128	128	128
120 125										
130 135										
140 145										
150 155										
* n *	6	6	5	5	4	5	5	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	035	035	035	035	035	035	035	035	035	035



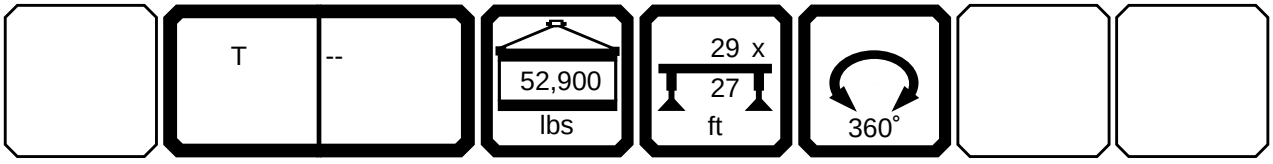
Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .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	81,500	68,500								
22	78,500	68,500	86,000	81,500	68,500	68,500	66,000			
24	76,000	67,500	85,500	81,000	68,500	68,500	65,500			
26	73,500	66,500	85,000	80,500	68,500	68,500	64,000	71,000	65,000	60,500
28	71,500	65,000	82,500	78,500	68,000	67,500	62,000	70,500	64,000	59,400
30	69,000	63,000	80,000	76,000	67,000	67,000	60,500	69,500	63,000	58,000
32	67,500	61,000	75,000	74,000	65,500	65,500	59,000	68,500	61,500	56,700
34	65,000	58,900	70,500	71,000	64,000	63,500	57,500	66,000	60,500	55,500
36	63,000	56,700	65,000	67,500	62,500	62,000	56,100	63,000	59,400	54,300
38	61,000	54,600	60,500	63,000	61,000	60,000	54,500	58,700	58,000	53,200
40	58,900	52,700	56,600	58,900	59,500	58,200	53,000	54,800	56,200	52,100
45	54,300	48,200	47,900	50,100	52,900	52,100	49,100	46,500	49,300	49,300
50	48,800	44,200	41,000	43,200	46,300	45,600	45,600	40,000	42,900	44,400
55	43,400	40,700	35,300	37,400	40,500	39,800	41,700	34,500	37,400	39,200
60	38,300	37,600	30,500	32,600	35,600	34,900	37,300	29,900	32,700	34,500
65	33,900	34,300	26,600	28,600	31,600	30,900	33,200	26,100	28,900	30,600
70	30,000	30,500	23,300	25,300	28,200	27,500	29,800	22,900	25,600	27,400
75	26,600	27,100	20,400	22,400	25,300	24,600	26,700	20,100	22,800	24,500
80	23,700	24,200	17,900	19,900	22,600	21,900	23,800	17,600	20,300	22,000
85	21,300	21,700	15,700	17,600	20,100	19,500	21,300	15,500	18,100	19,800
90	19,200	19,600	13,700	15,500	18,000	17,400	19,200	13,600	16,200	17,900
95	17,300	17,700	11,900	13,600	16,000	15,400	17,300	11,900	14,400	16,000
100	15,500	16,000	10,200	11,900	14,200	13,600	15,600	10,400	12,800	14,300
105	14,000	14,400	8,600	10,300	12,700	12,000	14,000	9,000	11,200	12,700
110	12,700	13,100	7,300	9,000	11,300	10,700	12,600	7,700	9,900	11,300
115	11,500	11,800	6,100	7,800	10,100	9,500	11,400	6,500	8,600	10,100
* n *	4	3	4	4	3	3	3	4	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	035	035	035	035	035	035	035	035	035	035



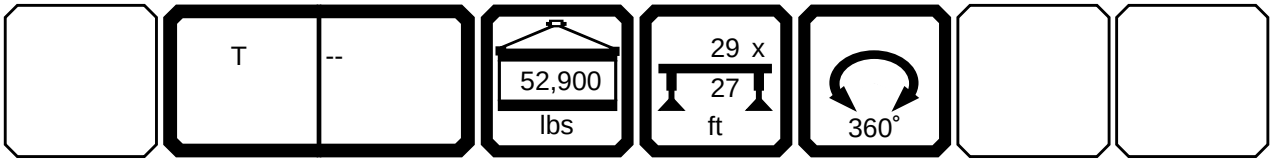
Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .x(x)								
	128	**128**	**141**	**141**	**141**	**141**	**141**	**157**	**157**	**157**
120			5,000	6,700	8,900	8,300	10,300	5,400	7,500	9,000
125			4,100	5,700	7,900	7,300	9,300	4,400	6,500	7,900
130			3,200	4,900	7,100	6,400	8,400	3,500	5,600	7,000
135									4,800	6,200
140									4,000	5,400
145										
150										
155										
* n *	4	3	4	4	3	3	3	4	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	035	035	035	035	035	035	035	035	035	035



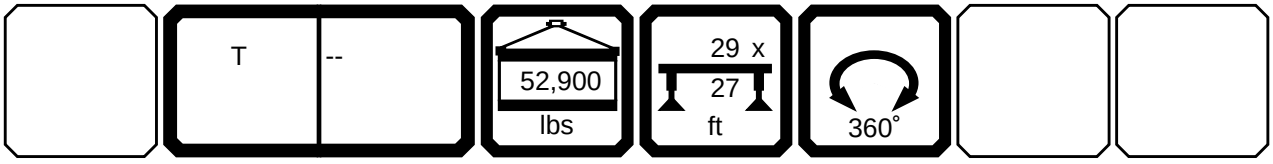
Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .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	58,500					71,000	58,800	49,100	30,600	75,500
28	57,300	56,200	52,900			71,000	58,800	48,800	29,800	75,500
30	56,000	56,200	52,700			71,000	58,800	48,500	29,100	75,500
32	54,800	56,000	51,800	45,200		71,000	58,800	48,300	28,400	75,500
34	53,700	55,600	51,000	45,000		71,000	58,800	48,200	27,700	75,500
36	52,600	55,000	50,200	44,600	37,500	71,000	58,800	48,100	27,000	75,500
38	51,600	54,500	49,400	44,100	37,200	70,500	58,800	48,000	26,400	73,500
40	50,700	53,200	48,700	43,700	36,900	68,500	58,300	48,000	25,900	70,000
45	48,100	46,100	47,000	42,700	35,800	56,000	54,100	48,000	24,500	57,600
50	44,200	39,900	42,300	39,300	34,700		46,200	43,300	21,300	
55	39,700	34,600	37,400	35,100	32,800		38,700	37,300	19,200	
60	35,000	30,200	32,900	30,800	30,100			31,300	18,600	
65	31,100	26,500	29,100	27,200	26,600			26,600	18,100	
70	27,800	23,400	26,000	24,200	23,600			22,700	17,800	
75	24,900	20,600	23,200	21,500	21,000				16,700	
80	22,400	18,200	20,800	19,100	18,600				14,800	
85	20,200	16,100	18,600	17,000	16,600				12,300	
90	18,200	14,200	16,700	15,200	14,800					
95	16,400	12,600	15,100	13,500	13,200					
100	14,600	11,000	13,500	12,000	11,700					
105	13,000	9,700	12,100	10,600	10,400					
110	11,700	8,400	10,800	9,400	9,200					
115	10,400	7,300	9,600	8,300	8,100					
* n *	3	3	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	035	035	035	035	035	035	035	035	035	035



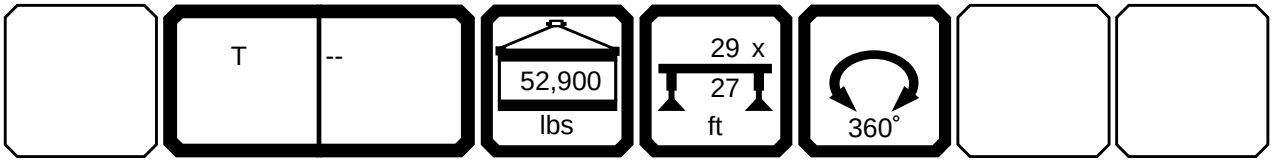
Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .x(x)								
	157	**171**	**171**	**184**	**197**	**59**	**72**	**85**	**98**	**59**
120	9,300	6,300	8,400	7,300	7,100					
125	8,200	5,200	7,400	6,400	6,100					
130	7,300	4,300	6,500	5,500	5,300					
135	6,500	3,500	5,600	4,600	4,500					
140	5,700		4,900	3,800	3,800					
145			4,200							
150			3,500							
155			2,900							
* n *	3	3	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	035	035	035	035	035	035	035	035	035	035



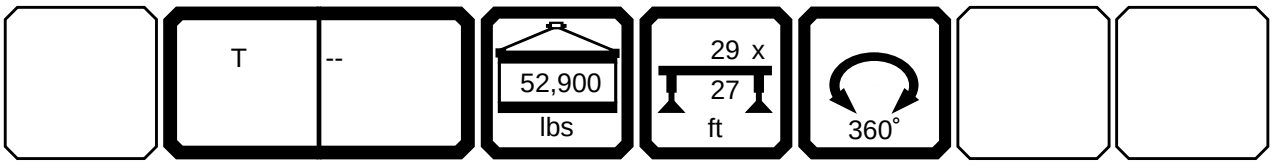
Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .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	79,000	71,000	60,500	54,500	46,500
30	47,000	28,200	36,500	45,800	27,500	79,000	71,000	60,000	54,000	45,400
32	46,600	27,500	35,900	42,900	26,800	79,000	71,000	59,900	53,600	42,600
34	44,800	26,800	35,300	41,600	26,000	79,000	71,000	59,600	53,200	41,200
36	42,000	26,100	34,700	41,300	25,300	79,000	71,000	59,400	52,800	40,800
38	41,700	25,400	34,100	41,000	24,600	75,500	71,000	59,300	52,500	40,500
40	41,500	24,500	33,600	40,800	23,600	71,500	69,500	59,100	52,200	40,200
45	41,100	20,400	32,500	40,400	19,600	58,900	60,000	58,700	51,600	39,500
50	40,900	18,900	31,600	39,900	18,100		51,200	51,400	48,200	39,000
55	38,200	18,000	31,000	36,900	17,100		43,600	43,700	42,900	37,500
60	33,300	17,200	30,000	31,500	16,300			37,500	36,700	34,800
65	28,500	16,500	27,100	26,800	15,600			32,700	31,800	30,300
70	24,600	16,000	23,400	22,800	14,900			28,800	28,000	26,500
75	21,300	15,500		19,300	14,400				24,600	23,100
80	18,300	14,900		16,400	13,700				21,800	20,200
85	15,800	14,000		14,000	12,500				19,400	17,700
90		12,000			10,500					15,500
95		10,200			8,700					13,600
100		8,500			7,000					12,000
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	035	035	035	035	035	035	035	035	035	035



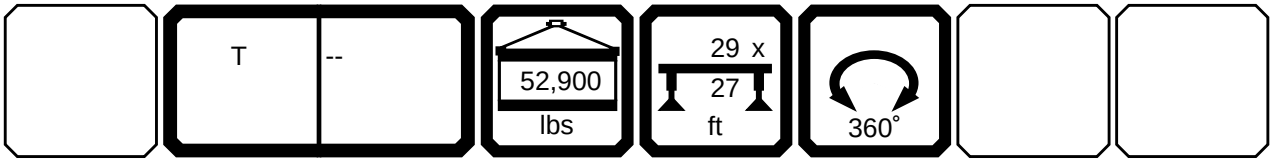
Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .x(x)								
	98	115	85	98	115	59	72	85	98	115
120 125										
130 135										
140 145										
150 155										
* n *	3	2	3	3	2	4	4	3	3	3
1 2	46- 46-	92- 46+	0+ 92-	46- 92+	92- 92+	0+ 0+	0+ 0+	0+ 0+	0+ 46-	46- 46+
3 4	46- 46+	46+ 46+	46+ 0+	46+ 0+	46+ 0+	0+ 0+	0+ 46-	46- 46+	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	035	035	035	035	035	035	035	035	035	035



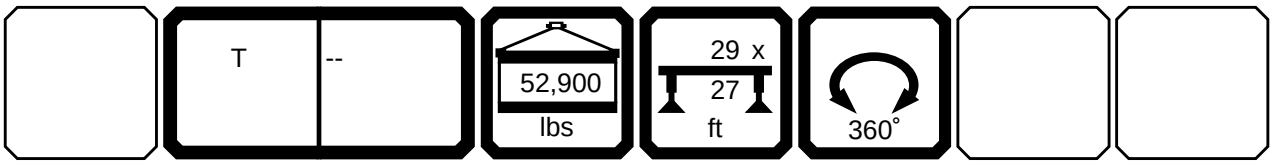
Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .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	63,500	52,900	41,600	33,600	41,000	26,900	40,900	56,800
32	27,100	52,200	63,000	52,400	41,200	32,800	40,500	26,100	40,100	56,300
34	26,300	51,600	63,000	51,900	40,700	32,000	40,100	25,300	39,300	55,700
36	25,600	51,200	62,500	51,400	40,300	31,300	39,700	24,500	38,600	55,200
38	25,000	50,700	62,000	51,000	40,000	30,600	39,300	23,800	37,900	54,800
40	24,000	50,400	61,000	50,600	39,600	30,000	38,900	22,800	37,300	54,100
45	20,000	49,700	54,700	49,600	38,700	28,400	38,000	19,000	35,800	51,700
50	18,500	47,900	50,300	47,800	38,000	27,100	37,200	17,400	34,500	47,600
55	17,500	43,700	45,200	43,800	37,200	25,900	35,700	16,300	33,300	43,600
60	16,700		39,200	38,200	35,700	24,800	33,200	15,400	32,300	39,800
65	15,900		34,300	33,300	31,600	23,800	29,100	14,600	31,400	34,900
70	15,200		30,400	29,400	28,000	21,100	25,700	13,800	29,700	30,900
75	14,600			26,000	24,700	19,500	22,700	13,100	27,200	27,500
80	14,100			23,100	21,800	18,900	19,900	12,400	24,300	24,600
85	13,600			20,700	19,300	18,000	17,300	11,800	21,900	22,100
90	13,200			18,600	17,100	16,000	15,200	11,300		20,000
95	12,000			16,700	15,200	14,100	13,200	10,900		18,200
100	10,300			15,000	13,500	12,400	11,500	10,100		16,500
105	8,800				11,900		10,000	8,600		
110	7,500				10,600		8,700	7,300		
115	6,400				9,400		7,600	6,100		
* 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	035	035	035	035	035	035	035	035	035	035



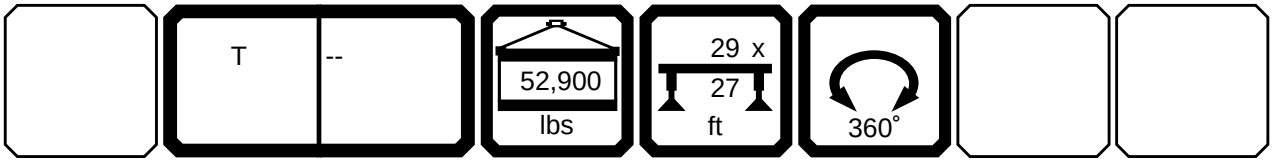
Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .x(x)								
	128	**72**	**85**	**115**	**128**	**115**	**128**	**141**	**98**	**115**
120								5,000		
125								4,100		
130								3,200		
135										
140										
145										
150										
155										
* 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	035	035	035	035	035	035	035	035	035	035



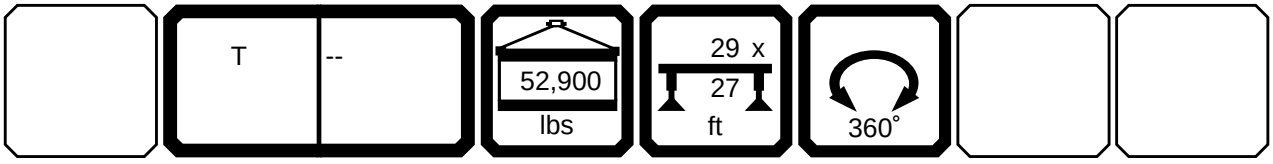
Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .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	52,000	41,200	38,200	32,600	40,500	26,500	36,100	51,300	40,600	45,800
32	51,500	40,700	37,500	31,700	40,000	25,600	35,200	50,700	40,100	43,200
34	50,900	40,300	36,700	30,900	39,500	24,800	34,400	50,100	39,600	41,700
36	50,300	39,800	36,000	30,200	39,000	24,000	33,600	49,500	39,100	41,100
38	49,800	39,400	35,400	29,400	38,600	21,400	32,900	48,900	38,700	40,500
40	49,300	39,000	34,800	28,700	38,100	19,300	32,200	48,300	38,200	40,000
45	48,200	38,000	33,300	27,100	37,100	18,000	30,500	47,000	37,200	38,700
50	46,800	37,100	32,100	25,600	36,200	16,900	29,000	43,700	36,200	37,800
55	43,400	36,300	31,000	24,300	34,800	15,800	27,700	40,300	35,300	37,000
60	38,300	35,100	30,000	22,700	32,600	14,800	26,400	37,300	34,000	35,800
65	33,900	31,500	29,200	19,500	28,600	13,900	25,300	33,200	30,600	32,800
70	30,000	28,200	27,500	18,500	25,300	13,100	24,300	29,800	27,400	29,100
75	26,600	25,300	25,000	17,800	22,400	12,400	22,300	26,700	24,500	
80	23,700	22,600	22,200	17,100	19,900	11,700	20,000	23,800	22,000	
85	21,300	20,100	19,700	16,600	17,600	11,000	19,400	21,300	19,800	
90	19,200	18,000		15,900	15,500	10,400	18,900	19,200	17,900	
95	17,300	16,000		14,500	13,600	9,900	17,600	17,300	16,000	
100	15,500	14,200		12,700	11,900	9,400	16,000	15,600	14,300	
105	14,000	12,700		11,200	10,300	9,000	14,400	14,000	12,700	
110	12,700	11,300		9,900	9,000	7,700	13,100	12,600	11,300	
115	11,500	10,100		8,700	7,800	6,500	11,800	11,400	10,100	
* 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	035	035	035	035	035	035	035	035	035	035



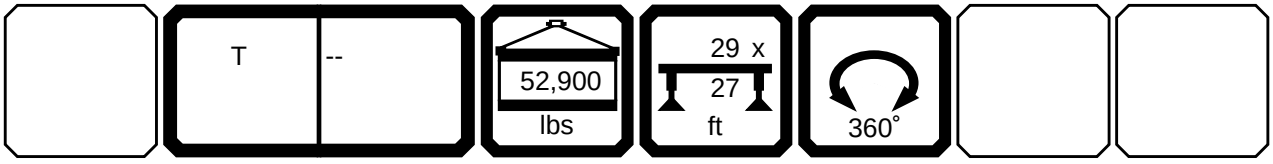
Main Boom - Outriggers 29' x 27'

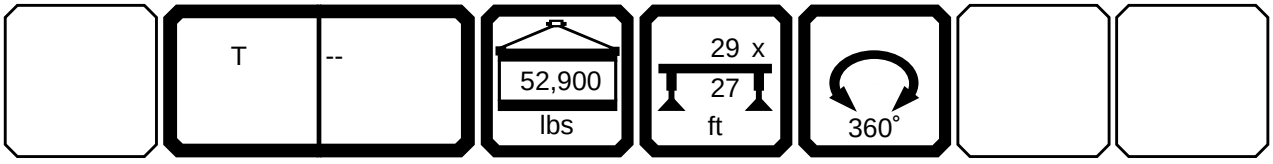
ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .x(x)								
	128	**141**	**98**	**128**	**141**	**157**	**128**	**141**	**157**	**85**
120		8,900			6,700	5,400		10,300	9,000	
125		7,900			5,700	4,400		9,300	7,900	
130		7,100			4,900	3,500		8,400	7,000	
135									6,200	
140									5,400	
145										
150										
155										
* 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	035	035	035	035	035	035	035	035	035	035



Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .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	51,800	32,000	40,300	26,100	31,600	40,000		
32	35,900	51,200	31,200	39,800	25,300	30,700	39,500	25,100	
34	35,100	50,600	30,300	39,200	24,500	29,900	39,000	24,600	
36	34,300	50,000	29,500	38,700	23,700	29,100	38,400	23,800	15,700
38	33,600	49,500	28,800	38,200	21,100	28,300	37,900	21,200	15,200
40	32,900	49,000	28,000	37,800	19,000	27,600	37,400	19,200	14,600
45	31,300	47,800	26,400	36,700	17,800	25,900	36,300	17,900	13,200
50	29,900	45,800	24,800	35,700	16,600	24,400	35,300	16,800	12,000
55	28,600	42,000	22,400	34,500	15,500	21,900	34,300	15,700	10,900
60	27,500	36,900	19,400	32,700	14,500	19,000	32,800	14,700	9,900
65	26,500	32,800	18,500	28,900	13,600	18,100	29,100	13,800	9,000
70	25,600	29,000	17,700	25,600	12,800	17,200	26,000	12,900	8,100
75	24,500	25,600	16,900	22,800	12,000	16,400	23,200	12,100	7,300
80	22,900	22,800	16,200	20,300	11,300	15,700	20,800	11,400	6,600
85	20,500	20,300	15,500	18,100	10,600	15,000	18,600	10,700	6,000
90	18,400	18,100	15,000	16,200	10,000	14,400	16,700	10,100	5,400
95	16,500	16,200	14,500	14,400	9,400	13,900	15,100	9,600	4,800
100	14,800	14,400	13,600	12,800	8,900	13,300	13,500	9,000	
105		12,900	12,000	11,200	8,400	12,900	12,100	8,500	
110		11,600	10,700	9,900	8,000	11,600	10,800	8,100	
115		10,400	9,500	8,600	7,200	10,400	9,600	7,600	
* 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	035	035	035	035	035	035	035	035	035



Main Boom - Outriggers 29' x 27'

ft	ft> < lbs	CODE 〉0012〈 L133 0B00 .x(x)								
	115	**128**	**141**	**157**	**171**	**157**	**171**	**184**	**197**	
120			8,300	7,500	6,300	9,300	8,400	7,100		
125			7,300	6,500	5,200	8,200	7,400	6,400		
130			6,400	5,600	4,300	7,300	6,500	5,500		
135				4,800	3,500	6,500	5,600	4,600		
140				4,000		5,700	4,900	3,800		
145							4,200			
150							3,500			
155							2,900			
* 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	035	035	035	035	035	035	035	035	035