

H CONFIGURATION CAPACITIES

Standard Hook Work

2825A Tubular Boom

282,200 lb Upper Counterweight

125,700 lb Carbody Counterweight

360 Degree Rating

The capacities in the rating chart meet ASME B30.5 requirements, including SAE J987 and SAE J765.

Ratings in this chart are in lbs and do not exceed the percentage of tipping specified for this crane by ASME B30.5.

Weight of all load blocks, slings, buckets, hoist lines and other load carrying devices beneath the boom point sheaves, is considered part of the main boom load. Do not lift loads in excess of those shown on this chart. Lifting loads in excess of those shown or operation not in accordance with good operating practice can cause tipping, structural damage or catastrophic failure. Where no capacity is shown, operation is not intended or approved.

Shaded areas on this chart indicate ratings that are limited by strength of material or factors other than stability (tipping).

WARNING

This rating chart is invalid if the crane has been modified or altered by use of other than genuine SANY parts as such modifications or alterations may affect its capacity or safe operation.

OPERATING CONDITIONS:

Machine to operate in a level position on a firm uniformly supporting surface. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to *SCC8300 Safety, Operation & Maintenance Manual* for operating guidelines.

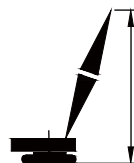
MACHINE TRAVEL:

Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart.



OPERATING RADIUS:

Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block.



BOOM POINT ELEVATION:

Boom point elevation is vertical distance from ground level to centerline of boom point shaft.



BOOM ANGLE:

Boom angle in degree is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

DEDUCTIONS

The following table(s) contain the weight that is to be deducted from the mainfall capacities found in this chart when the crane is so configured.

BOOM POINT EXTENSION	CAPACITY DEDUCT (Klb)
	2.0

1412A FIXED JIB (FJ)	BOOM LENGTH (FEET)	65.6 ~ 134.5	144.4 ~ 183.7	193.6 ~ 223.1
	JIB LENGTH (FEET)	CAPACITY DEDUCT (Klb)		
	42.7	8.0	8.0	8.0
	62.3	13.0	13.0	13.0
	80.4	20.0	17.0	17.0
	100.1	26.0	23.0	23.0
	118.1	33.0	31.0	29.0
	137.8	41.0	39.0	36.0

2316A FIXED JIB (FJH)	JIB LENGTH (FEET)	CAPACITY DEDUCT (Klb)
	39.4	19.0
	59.1	26.0

BOOM POINT EXTENSION (BPE)

- When the BPE is installed, LIFTING CAPACITIES found in this rating chart must be reduced by the boom point extension CAPACITY DEDUCT.
- This boom point extension has a maximum capacity for standard hook work as follows:
 - 66.1 Klb (when BPE is reeved with 2 parts of line).
 - 34.9 Klb (when BPE is reeved with 1 part of line).
- When using the AUXILIARY THIRD DRUM LOAD LINE, the boom point extension has a maximum capacity for standard hook work as follows:
 - 49.2 Klb (when BPE is reeved with 2 parts of line).
 - 24.6 Klb (when BPE is reeved with 1 part of line).

Notes:

- Main boom (H) capacities always govern maximum rated lifting capacities, therefore BPE capacities cannot exceed those shown in this rating chart.
- The BOOM ANGLE and BOOM POINT ELEVATION shown in this rating chart are for lifting off the main boom (H) fall.

WIRE ROPE

Ratings shown in this chart only apply to cranes equipped with wire ropes that meet the diameter, minimum breaking strength and parts of line requirements as indicated. Consult the *SCC8300 Transport, Assembly & Disassembly Manual* for a complete listing of current wire rope specifications.

MAST HOIST LINE – 20 parts of 26.0 millimeter diameter DIEPA SKZ 8 1960 wire rope with a minimum breaking strength of 638.0 kN (143,400 Lbs).

MAIN LOAD LINE (ROTATION RESISTANT) – 28.0 millimeter diameter DIEPA D 1315 CZ 2160 rotation resistant wire rope with a minimum breaking strength of 778.0 kN (174,900 Lbs).

AUXILIARY THIRD DRUM LOAD LINE - 20.0 millimeter diameter DIEPA SKZ 8 1960 wire rope with a minimum breaking strength of 383.0 kN (86,100 Lbs).

WIND CONDITIONS

No account is taken of the wind force on the load. The user must consider this effect, which can be substantial for loads with large surface areas. In any wind it is strongly recommended that taglines be used to control the load.

Operation is permitted in steady winds or wind gusts provided capacities are reduced as indicated in the table below.

MAXIMUM WIND SPEED (measured at boom tip)	15 MPH	20 MPH	25 MPH	30 MPH	35 MPH
BOOM LENGTH (FEET)	PERCENT REDUCTION				
65.6 ~ 154.2	0 %	0 %	0 %	0 %	0 %
164.0 ~ 213.3	0 %	0 %	0 %	10 %	20 %
223.1 ~ 301.8	0 %	0 %	10 %	20 %	30 %

No operation is permitted when wind conditions exceed 35 MPH. When this condition exists, the following applies.

WINDS UP TO 50 MPH : Lower the load block(s) and weight ball(s) to the ground. Orient the boom in-line with the sideframes / crawlers. Set the boom at a 70 degree boom angle.

WINDS 50 MPH AND ABOVE : Lower the boom to the ground.

Refer to the *SCC8300 Safety, Operation & Maintenance Manual* for additional information concerning operating the crane in wind.

ERECTION

Note: Blocks, slings and other load carrying devices must be on the ground during erection.

Erection " OVER-THE-SIDE " is with the boom 90° to the side frames.

Erection " OVER-THE-END " is with the boom over the drive end or idler end of the sideframes.

Erection " OVER-THE-END BLOCKED " is with the boom over the idler end of the sideframe with the idler tumblers blocked (See *SCC8300 Transport, Assembly & Disassembly Manual* for blocking instructions).

MAXIMUM BOOM & JIB SELF-ERECTION DATA				
BOOM + JIB (CONFIGURATION)	OVER-THE-SIDE OR OVER-THE-END		OVER-THE-END BLOCKED	
	BOOM LENGTH (FEET)	JIB LENGTH (FEET)	BOOM LENGTH (FEET)	JIB LENGTH (FEET)
2825A (H)	282.1	N/A	301.8	N/A
2825A + BPE (HC)	282.1	N/A	301.8	N/A
2825A + 1412A (FJ)	223.1 213.3 203.4 193.6	80.4 100.1 118.1 137.8	223.1	137.8
2825A + 2316A (FJH)	223.1 213.3	39.4 59.1	242.8	59.1

LOAD HOISTING INFORMATION 28.0 mm Diameter DIEPA D 1315 CZ 2160 Wire Rope Wire Rope Weight - 2.674 Lbs / Foot			
MAXIMUM LIFTING CAPACITY (Lbs)	MINIMUM PARTS OF LINE	MAXIMUM LIFTING CAPACITY (Lbs)	MINIMUM PARTS OF LINE
660,000	19	349,000	10
628,200	18	314,100	9
593,300	17	279,200	8
558,400	16	244,300	7
523,500	15	209,400	6
488,600	14	174,500	5
453,700	13	139,600	4
418,800	12	104,700	3
383,900	11	69,800	2
		34,900	1

AUXILIARY THIRD DRUM LOAD HOISTING INFORMATION 20.0 mm Diameter DIEPA SKZ 8 1960 Wire Rope Wire Rope Weight - 1.344 Lbs / Foot	
MAXIMUM LIFTING CAPACITY (Lbs)	MINIMUM PARTS OF LINE
49,200	2
24,600	1

BOOM COMPOSITION CHART 2825A TUBULAR BOOM - H CONFIGURATION							
BOOM LENGTH (FEET)	BOOM SECTIONS						
	32.8' 2825A BASE	9.8' 2825A CENTER	19.7' 2825A CENTER	39.4' 2825A CENTER I	39.4' 2825A CENTER II	23.0' 2825A TIP	MIDPOINT SUSPEN SION
65.6	1	1	0	0	0	1	0
75.5	1	0	1	0	0	1	0
85.3	1	1	1	0	0	1	0
95.1	1	0	0	0	1	1	0
105.0	1	1	0	0	1	1	0
114.8	1	0	1	0	1	1	0
124.7	1	1	1	0	1	1	0
134.5	1	0	0	0	2	1	0
144.4	1	1	0	2	0	1	0
154.2	1	0	1	0	2	1	0
164.0	1	1	1	2	0	1	0
173.9	1	0	0	1	2	1	0
183.7	1	1	0	2	1	1	0
193.6	1	0	1	1	2	1	0
203.4	1	1	1	2	1	1	0
213.3	1	0	0	2	2	1	0
223.1	1	1	0	2	2	1	0
232.9	1	0	1	2	2	1	0
242.8	1	1	1	2	2	1	0
252.6	1	0	0	3	2	1	0
262.5	1	1	2	2	2	1	0
272.3	1	0	1	3	2	1	0
282.1	1	1	1	3	2	1	1
292.0	1	0	2	3	2	1	1
301.8	1	1	2	3	2	1	1

Note:

39.4' 2825A Center I is fitted with four 39.4' pendant bars. And there is no connecting base at the end of the connector for the mid-point suspension cable.

39.4' 2825A Center II is only fitted with two 39.4' pendant bars. And there is a connecting base at the end of the connector for the mid-point suspension cable.

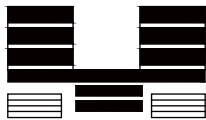
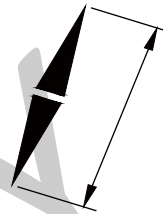
Refer to the *SCC8300 Transport, Assembly & Disassembly Manual* for proper midpoint suspension selection and installation.

Explanation of Symbols



2825A

**No.2825A
Tubular Boom**

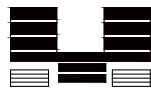
Boom Angle

**Crane Counterweight
+
Carbody Counterweight**

Boom Length

360 Degree Rating

**Operating
Radius**

Lifting Capacities

Boom Elevation



282.2 Klb
+
125.7 Klb



65.6 ft			
ft	°	ft	Klb
17	83.8	73	660.0
20	81.1	72	568.4
25	76.6	71	477.6
30	72.0	69	394.9
35	67.2	67	340.8
40	62.3	64	298.4
45	57.0	61	263.0
50	51.3	56	234.5
55	45.1	51	209.5
58	41.1	48	195.6

75.5 ft			
ft	°	ft	Klb
20	82.4	82	565.8
25	78.4	81	470.3
30	74.4	80	392.9
35	70.4	78	340.0
40	66.3	75	298.8
45	61.9	72	263.2
50	57.3	69	234.5
55	52.5	65	209.5
60	47.4	61	187.2
65	41.6	55	167.6
70	34.8	48	151.6
72	32.1	45	145.4

85.3 ft			
ft	°	ft	Klb
20	83.2	92	563.2
25	79.8	91	463.0
30	76.3	90	390.8
35	72.7	88	337.3
40	69.2	86	293.7
45	65.5	84	261.3
50	61.6	81	233.9
55	57.6	78	209.4
60	53.4	74	187.4
65	48.8	69	167.9
70	44.0	64	151.9
75	38.5	58	138.0
78	35.0	54	130.5



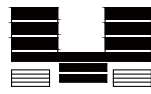
282.2 Klb
+
125.7 Klb



95.1 ft			
ft	°	ft	Klb
23	82.1	102	500.4
25	80.9	101	457.7
30	77.8	100	389.7
35	74.6	99	336.0
40	71.5	97	292.1
45	68.2	95	258.5
50	64.8	92	232.3
55	61.4	89	208.9
60	57.8	86	187.2
65	54.1	83	167.5
70	50.1	78	152.6
75	45.8	73	138.9
80	41.2	68	126.4
85	36.2	61	116.3

105.0 ft			
ft	°	ft	Klb
23	82.9	112	496.0
25	81.7	111	454.7
30	78.9	110	388.5
35	76.1	109	334.3
40	73.2	107	290.8
45	70.3	105	257.3
50	67.4	103	231.7
55	64.3	101	208.7
60	61.2	98	187.0
65	58.0	95	167.4
70	54.6	91	152.8
75	51.0	87	139.1
80	47.3	82	126.6
85	43.3	77	116.6
90	39.0	71	106.5
95	34.1	63	98.1
98	30.9	58	93.6

114.8 ft			
ft	°	ft	Klb
23	83.5	122	488.3
25	82.4	121	447.7
30	79.9	120	378.8
35	77.4	119	327.2
40	74.8	118	286.9
45	72.1	116	255.8
50	69.4	114	231.2
55	66.7	112	208.2
60	64.0	109	186.2
65	61.1	106	167.4
70	58.1	103	152.2
75	55.0	100	138.4
80	51.8	96	126.1
85	48.5	91	115.9
90	45.0	86	107.8
95	41.1	80	100.0
100	36.9	74	92.9
105	32.4	66	86.9



282.2 Klb
+
125.7 Klb



124.7 ft			
ft	°	ft	Klb
23	84.0	132	480.6
25	83.1	131	440.7
30	80.7	130	369.5
35	78.4	129	321.9
40	76.0	128	283.1
45	73.5	126	254.3
50	71.1	125	230.7
55	68.7	123	207.4
60	66.1	120	184.1
65	63.6	118	164.8
70	61.0	115	151.0
75	58.2	112	138.0
80	55.4	108	125.7
85	52.5	104	115.7
90	49.5	100	107.6
95	46.2	95	99.8
100	42.9	90	92.5
105	39.3	84	86.0
110	35.2	76	79.2

134.5 ft			
ft	°	ft	Klb
25	83.5	141	385.7
30	81.4	140	362.5
35	79.2	139	318.6
40	77.0	138	282.9
45	74.8	137	248.7
50	72.6	135	225.1
55	70.4	133	204.2
60	68.1	131	184.2
65	65.7	129	167.8
70	63.3	126	151.5
75	60.8	123	137.4
80	58.3	120	125.6
85	55.8	117	115.9
90	53.0	113	107.1
95	50.2	109	99.4
100	47.3	104	92.5
105	44.3	99	86.0
110	41.0	93	80.2
115	37.5	87	75.0
118	35.3	83	72.0

144.4 ft			
ft	°	ft	Klb
27	83.2	151	396.1
30	82.0	150	360.0
35	80.0	149	310.6
40	78.0	148	275.7
45	75.9	147	245.9
50	73.8	146	223.1
55	71.7	144	202.2
60	69.6	142	182.6
65	67.5	140	167.2
70	65.3	137	151.1
75	63.0	135	137.1
80	60.7	132	125.3
85	58.3	129	115.5
90	56.0	125	107.4
95	53.5	122	99.6
100	51.0	117	92.3
105	48.3	113	85.8
110	45.5	108	80.0
115	42.5	102	74.9
120	39.4	96	70.9
125	36.1	90	67.9
130	32.3	82	61.3



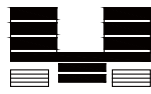
282.2 Klb
+
125.7 Klb



154.2 ft			
ft	°	ft	Klb
27	83.6	161	390.2
30	82.5	160	353.7
35	80.7	159	306.1
40	78.8	158	270.9
45	76.8	157	240.6
50	74.9	156	218.5
55	72.9	154	198.7
60	70.9	152	180.3
65	68.9	151	165.2
70	67.0	148	150.1
75	64.9	146	136.7
80	62.7	143	125.0
85	60.6	140	114.8
90	58.4	137	106.8
95	56.2	134	99.2
100	53.8	130	92.0
105	51.5	126	85.3
110	49.0	122	79.7
115	46.4	117	74.7
120	43.7	112	70.0
125	40.9	106	65.4
130	37.9	99	60.6
135	34.6	92	56.9
137	33.2	89	55.5

164.0 ft			
ft	°	ft	Klb
30	82.9	170	347.4
35	81.2	169	301.7
40	79.4	169	266.4
45	77.6	167	235.9
50	75.8	166	214.1
55	74.0	165	195.2
60	72.2	163	177.9
65	70.3	161	163.0
70	68.4	159	149.1
75	66.5	157	136.3
80	64.6	154	124.6
85	62.6	152	114.4
90	60.6	149	106.4
95	58.5	146	98.7
100	56.4	142	91.4
105	54.3	139	84.9
110	52.0	135	79.3
115	49.7	131	74.1
120	47.4	126	69.4
125	44.8	121	65.1
130	42.2	115	61.0
135	39.5	109	56.7
140	36.6	103	52.9
143	34.7	98	51.1

173.9 ft			
ft	°	ft	Klb
30	83.3	180	336.5
35	81.7	179	294.5
40	80.0	178	258.4
45	78.3	177	230.8
50	76.6	176	209.9
55	74.9	175	191.3
60	73.2	173	173.9
65	71.5	171	159.2
70	69.7	169	146.8
75	67.9	167	135.0
80	66.1	165	123.9
85	64.3	163	113.9
90	62.4	160	105.6
95	60.5	157	98.0
100	58.6	154	91.0
105	56.6	151	84.7
110	54.5	147	78.9
115	52.5	143	73.8
120	50.4	139	69.1
125	48.2	134	64.6
130	45.8	130	60.6
135	43.4	124	57.1
140	40.9	119	53.7
145	38.2	112	50.5
150	35.3	105	46.8
155	32.3	97	44.1



282.2 Klb
+
125.7 Klb



183.7 ft			
ft	°	ft	Klb
30	83.7	190	325.8
35	82.1	189	288.7
40	80.6	189	254.5
45	79.0	188	228.1
50	77.4	186	205.2
55	75.8	185	186.4
60	74.1	184	171.0
65	72.5	182	157.3
70	70.8	180	144.7
75	69.2	178	133.5
80	67.5	176	123.4
85	65.8	174	113.7
90	64.1	171	105.4
95	62.3	169	97.7
100	60.4	166	90.6
105	58.6	163	84.2
110	56.8	159	78.4
115	54.8	156	73.2
120	52.9	152	68.5
125	50.9	148	64.2
130	48.8	144	60.2
135	46.6	139	56.7
140	44.4	134	53.3
145	42.1	128	50.1
150	39.6	122	47.2
155	37.0	115	43.8
160	34.2	108	40.9
164	31.9	101	39.0

193.6 ft			
ft	°	ft	Klb
33	83.1	200	297.2
35	82.5	199	282.0
40	81.0	198	245.6
45	79.6	197	221.1
50	78.1	196	200.5
55	76.5	195	183.0
60	75.0	194	168.0
65	73.4	192	154.8
70	71.9	191	142.5
75	70.3	189	131.4
80	68.7	187	121.6
85	67.1	185	112.9
90	65.4	182	104.6
95	63.8	180	97.0
100	62.1	177	90.1
105	60.4	174	83.6
110	58.6	171	78.0
115	56.9	168	72.9
120	55.1	164	68.2
125	53.3	161	63.7
130	51.4	157	59.8
135	49.4	152	56.2
140	47.4	148	52.8
145	45.2	143	49.7
150	43.1	137	46.8
155	40.8	131	44.1
160	38.4	125	41.2
165	35.9	118	38.2
170	33.2	111	36.1

203.4 ft			
ft	°	ft	Klb
33	83.4	211	291.8
35	82.9	210	277.3
40	81.5	209	242.5
45	80.1	208	216.9
50	78.6	207	198.0
55	77.2	206	180.8
60	75.7	204	164.6
65	74.3	203	150.9
70	72.8	201	139.6
75	71.3	199	129.2
80	69.8	197	119.7
85	68.3	195	111.0
90	66.7	193	103.6
95	65.1	191	96.4
100	63.6	188	89.4
105	62.0	186	82.9
110	60.4	183	77.3
115	58.7	180	72.1
120	57.0	176	67.4
125	55.3	173	63.1
130	53.5	169	59.1
135	51.7	165	55.6
140	49.9	161	52.2
145	48.1	156	49.0
150	46.1	152	46.1
155	44.0	146	43.4
160	41.9	141	40.8
165	39.6	135	38.2
170	37.4	128	35.4
175	34.9	121	33.3
180	32.2	113	31.4
183	30.6	108	30.3



282.2 Klb
+
125.7 Klb



213.3 ft			
ft	°	ft	Klb
33	83.7	220	274.6
35	83.2	219	263.1
40	81.9	218	234.9
45	80.5	218	211.4
50	79.2	217	193.8
55	77.8	216	177.5
60	76.4	214	161.8
65	75.0	213	148.2
70	73.6	211	137.2
75	72.2	210	127.0
80	70.7	208	117.5
85	69.3	206	109.2
90	67.8	204	101.8
95	66.4	202	95.0
100	64.9	199	88.6
105	63.4	197	82.2
110	61.9	194	76.8
115	60.3	191	71.7
120	58.7	188	66.9
125	57.1	185	62.6
130	55.5	181	58.7
135	53.8	178	55.1
140	52.1	174	51.7
145	50.4	170	48.6
150	48.5	165	45.7
155	46.7	160	43.0
160	44.8	155	40.4
165	42.8	150	38.0
170	40.7	144	35.8
175	38.6	138	33.2
180	36.4	131	30.9
185	34.0	124	29.1
190	31.5	116	27.4

223.1 ft			
ft	°	ft	Klb
40	82.2	229	233.1
45	80.9	228	208.2
50	79.6	227	190.3
55	78.4	226	174.2
60	77.1	225	158.8
65	75.7	223	145.6
70	74.4	222	134.4
75	73.0	220	124.4
80	71.6	218	115.4
85	70.3	217	107.4
90	68.9	215	100.1
95	67.5	213	93.4
100	66.1	210	87.3
105	64.7	208	81.6
110	63.2	205	76.1
115	61.7	203	71.1
120	60.3	200	66.4
125	58.8	197	62.0
130	57.3	193	58.0
135	55.7	190	54.5
140	54.1	186	51.1
145	52.5	182	47.9
150	50.8	178	45.0
155	49.1	174	42.3
160	47.3	169	39.8
165	45.5	164	37.5
170	43.7	159	35.4
175	41.8	154	33.2
180	39.7	148	30.8
185	37.6	141	28.5
190	35.4	134	26.8
195	33.1	126	25.1

232.9 ft			
ft	°	ft	Klb
40	82.6	239	223.7
45	81.3	238	204.1
50	80.1	237	184.2
55	78.9	236	168.1
60	77.6	234	155.8
65	76.3	233	142.9
70	75.0	232	131.9
75	73.8	231	122.0
80	72.5	229	113.1
85	71.2	227	105.4
90	69.8	225	98.2
95	68.5	223	90.0
100	67.2	221	83.0
105	65.8	219	80.0
110	64.4	216	75.1
115	63.0	214	70.2
120	61.7	211	65.6
125	60.2	208	61.3
130	58.8	205	57.3
135	57.3	202	53.8
140	55.8	198	50.4
145	54.3	195	47.3
150	52.8	191	44.4
155	51.2	187	41.7
160	49.6	183	39.1
165	47.9	178	36.8
170	46.2	173	34.5
175	44.5	168	32.4
180	42.6	163	30.5
185	40.7	157	28.5
190	38.8	151	26.1
195	36.7	144	24.4
200	34.5	137	22.8



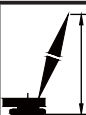
			
 ft	 °	 ft	 Klb
190	41.6	166	26.3
195	39.8	160	24.6
200	37.8	154	22.7
205	35.8	147	20.9
210	33.8	140	19.4
215	31.5	131	18.0



282.2 Klb
+
125.7 Klb



 252.6 ft			
 ft	 °	 ft	 Klb
40	83.2	258	211.7
45	82.0	257	197.5
50	80.9	257	177.9
55	79.7	256	160.1
60	78.6	255	145.7
65	77.3	254	133.3
70	76.2	252	125.8
75	75.1	251	117.8
80	73.9	250	109.3
85	72.7	248	101.5
90	71.5	246	94.9
95	70.2	244	88.5
100	69.0	243	82.5
105	67.8	241	77.2
110	66.6	238	72.3
115	65.3	236	67.7
120	64.0	233	63.6
125	62.8	231	59.8
130	61.5	228	56.2
135	60.2	225	52.7
140	58.8	222	49.3
145	57.5	219	46.2
150	56.1	216	43.3
155	54.8	212	40.6
160	53.4	208	38.0
165	51.9	204	35.7
170	50.4	200	33.4
175	48.9	196	31.3
180	47.3	191	29.4
185	45.8	186	27.5

 252.6 ft			
 ft	 °	 ft	 Klb
190	44.1	181	25.7
195	42.4	175	24.2
200	40.7	170	22.6
205	38.9	163	21.0
210	37.0	157	19.0
215	35.0	150	17.6
220	32.9	142	16.4
223	31.6	137	15.7



 262.5 ft			
 ft	 °	 ft	 Klb
190	46.4	195	25.0
195	44.8	190	23.5
200	43.2	185	21.9
205	41.6	179	20.4
210	39.9	173	19.0
215	38.1	167	17.1
220	36.2	160	15.7
225	34.3	152	14.5
227	33.5	149	14.1



282.2 Klb
+
125.7 Klb



272.3 ft			
ft	°	ft	Klb
40	83.7	278	188.8
45	82.6	277	176.6
50	81.5	277	165.5
55	80.5	276	153.4
60	79.4	275	140.9
65	78.3	274	132.4
70	77.3	273	122.7
75	76.2	271	113.7
80	75.0	270	105.5
85	74.0	269	98.1
90	72.9	267	91.6
95	71.8	265	85.3
100	70.6	264	79.5
105	69.5	262	74.3
110	68.3	260	69.4
115	67.2	257	65.0
120	66.1	255	61.0
125	64.9	253	57.3
130	63.7	250	53.7
135	62.5	248	50.5
140	61.4	245	47.5
145	60.2	242	44.7
150	58.9	239	41.9
155	57.6	236	39.2
160	56.4	233	36.7
165	55.1	229	34.4
170	53.8	225	32.3
175	52.5	222	30.2
180	51.1	218	28.2
185	49.7	213	26.3

272.3 ft			
ft	°	ft	Klb
190	48.3	209	24.6
195	46.8	204	22.9
200	45.4	199	21.3
205	43.9	194	19.9
210	42.3	188	18.5
215	40.7	182	17.2
220	39.0	176	15.5
225	37.3	170	13.9
230	35.5	163	12.7
235	33.6	155	11.7
240	31.5	147	10.6
242	30.7	144	10.1

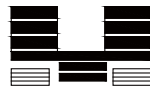


282.2 Klb
+
125.7 Klb



282.1 ft			
ft	°	ft	Klb
46	82.7	287	165.3
50	81.8	287	159.6
55	80.8	286	149.9
60	79.8	285	137.8
65	78.7	284	128.0
70	77.7	283	119.7
75	76.6	282	111.5
80	75.6	280	103.2
85	74.6	279	95.7
90	73.5	277	89.4
95	72.4	276	83.4
100	71.4	274	77.7
105	70.3	272	72.5
110	69.1	270	67.8
115	68.1	268	63.4
120	67.0	266	59.4
125	65.8	264	55.8
130	64.8	261	52.2
135	63.6	259	49.1
140	62.5	256	46.2
145	61.3	254	43.4
150	60.1	251	40.6
155	58.9	248	38.2
160	57.7	244	35.8
165	56.5	241	33.6
170	55.2	237	31.4
175	54.0	234	29.3
180	52.8	230	27.4
185	51.4	226	25.5
190	50.1	222	23.7

282.1 ft			
ft	°	ft	Klb
195	48.7	217	22.0
200	47.3	213	20.4
205	45.9	208	19.0
210	44.5	203	17.6
215	43.0	197	16.3
220	41.4	192	14.9
225	39.9	186	13.5
230	38.3	179	11.8
235	36.5	173	10.8
240	34.7	166	9.9
245	32.9	158	8.8
247	32.1	155	8.4

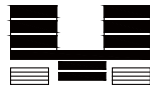


282.2 Klb
+
125.7 Klb



292.0 ft			
ft	°	ft	Klb
46	82.9	297	157.4
50	82.1	297	150.8
55	81.1	296	142.1
60	80.1	295	132.6
65	79.1	294	123.2
70	78.1	293	115.2
75	77.1	292	108.1
80	76.0	290	101.4
85	75.1	289	94.3
90	74.1	288	87.9
95	73.0	286	81.9
100	72.0	284	76.4
105	71.0	283	71.2
110	69.9	281	66.4
115	68.9	279	62.2
120	67.8	277	58.3
125	66.7	275	54.5
130	65.7	272	51.1
135	64.5	270	48.0
140	63.4	267	45.0
145	62.4	265	42.2
150	61.2	262	39.5
155	60.1	259	37.1
160	58.9	256	34.8
165	57.8	253	32.7
170	56.6	250	30.6
175	55.4	246	28.7
180	54.2	242	26.8
185	53.0	239	24.9
190	51.7	235	23.2

292.0 ft			
ft	°	ft	Klb
195	50.4	231	21.5
200	49.1	226	20.0
205	47.8	222	18.5
210	46.5	217	17.0
215	45.0	212	15.6
220	43.6	207	14.4
225	42.2	201	13.2
230	40.7	195	12.0
235	39.1	189	10.3
240	37.5	182	9.2
245	35.8	176	8.2
250	34.0	168	7.2
255	32.2	160	6.4



282.2 Klb
+
125.7 Klb



301.8 ft			
ft	°	ft	Klb
46	83.1	307	149.5
50	82.4	307	142.3
55	81.4	306	134.4
60	80.4	305	127.7
65	79.5	304	122.2
70	78.5	303	112.8
75	77.5	302	104.9
80	76.5	301	98.3
85	75.6	299	91.5
90	74.6	298	85.3
95	73.6	296	79.3
100	72.6	295	73.8
105	71.6	293	68.8
110	70.6	291	64.2
115	69.6	289	60.0
120	68.5	287	56.1
125	67.5	285	52.5
130	66.5	283	49.1
135	65.5	281	46.0
140	64.4	279	43.1
145	63.4	276	40.3
150	62.3	273	37.8
155	61.2	271	35.4
160	60.1	268	33.1
165	59.0	265	30.9
170	57.8	261	28.9
175	56.7	258	27.0
180	55.6	255	25.2
185	54.4	251	23.4
190	53.2	247	21.9

301.8 ft			
ft	°	ft	Klb
195	51.9	243	20.2
200	50.7	239	18.8
205	49.5	235	17.4
210	48.2	230	15.9
215	46.9	226	14.5
220	45.6	221	13.3
225	44.3	216	12.1
230	42.8	210	10.9
235	41.4	205	9.9
240	39.9	198	8.2
245	38.4	192	6.6
250	36.8	185	5.4
255	35.2	179	4.6