

Load capacity charts

These load capacity charts meet the requirements of ANSI B30.5 (incl. SAE J987, SAE J765).

The machine classification acc. ISO 4301/1 and /2 given by the manufacturer is A1 (Q1, U2). Please see also operating manual chapter 1 "Equipment rating" where the state of loading (Q1) and the class of utilization (U2) is explained.

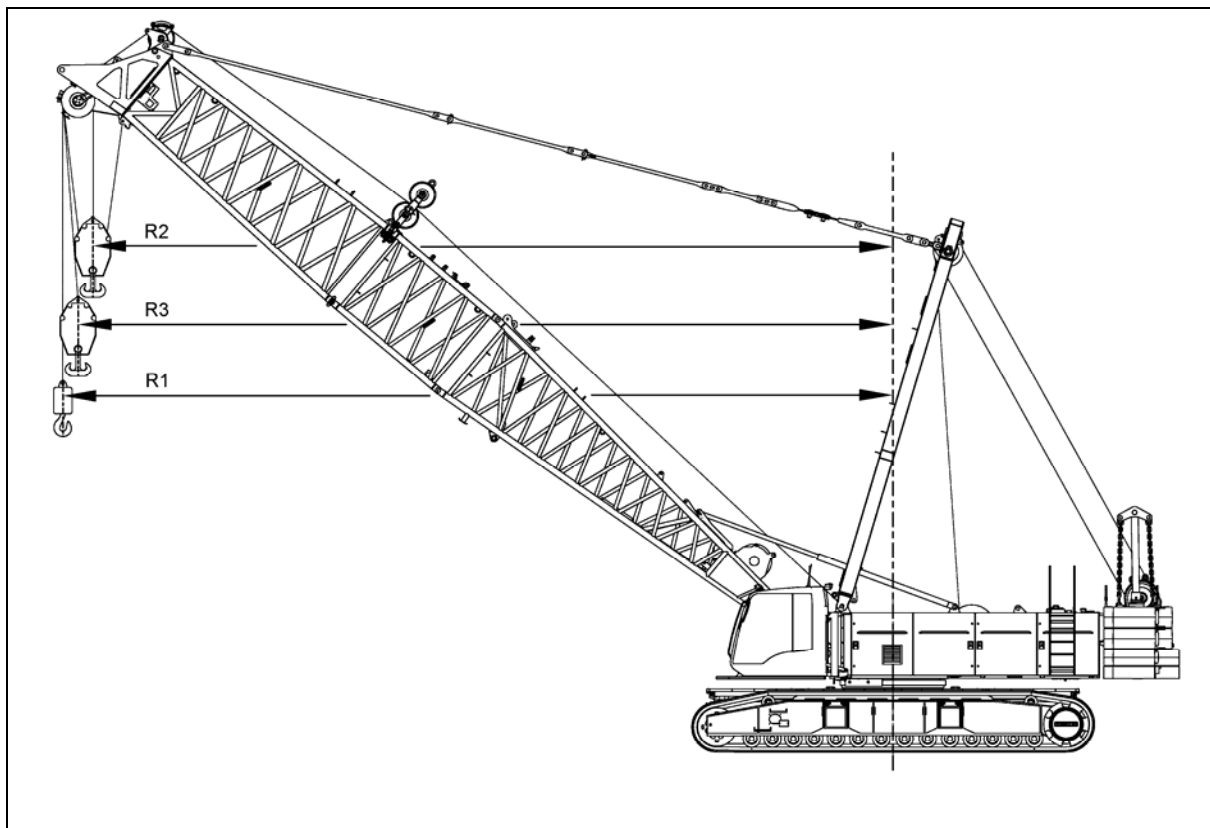
All radii which are allowed show a rated capacity, other length and radii are not approved.

The load capacities are only applicable to machines standing on horizontal (tolerance 1%, 1%), solid and sufficiently supportive subsoil.

Load ratings are based on the freely suspended load.

None of the loads shown exceeds 75% of the tipping load. The values shown on a grey background are load capacities that are limited by the structure of the machine. All values shown with a white background are tilting load values.

The outreach is the radius measured between the centre of the slewing ring and the center of the load hook or the pulley block. Different outreaches at the same boom angle result from different reevings. The LML (load moment limitation) on the machine takes this change into account.



schematic diagram

R1	Single reeved hoisting cable
R2	Double reeved hoisting cable
R3	Triple to n-times reeved hoisting cable

The outreach (radius) in the load capacity chart always refers to R3.

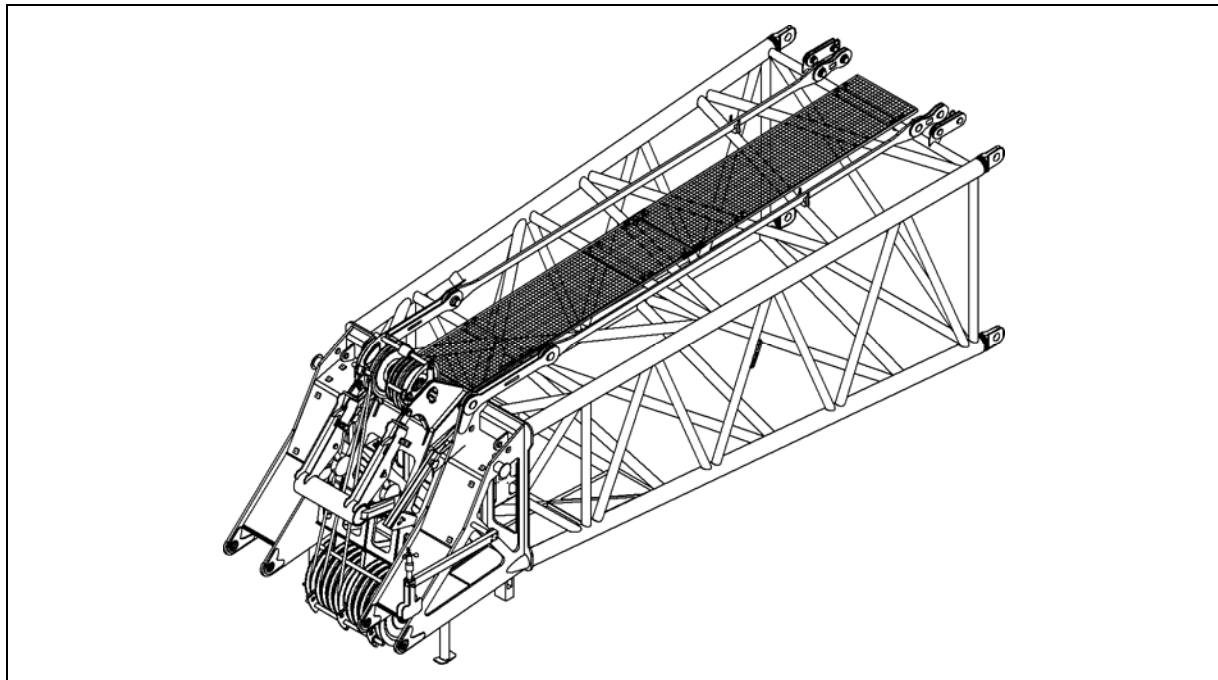
Main boom

These load capacity charts are only applicable to original LIEBHERR machine and boom components that are new and in perfect condition. Any form of damage, any modification or addition that has not been approved by LIEBHERR invalidates the following load capacities, which in such cases must not be applied.

The suspended hoisting ropes, the load hook/pulley block and the slinging equipment form part of the load. These weights must always be deducted from the value shown in the table. The per-meter weight of the rope is stated in the Rope Certificate.

The rated rope pull of the hoisting winches is 33744lbs (150kN). The reeving should be selected in such a way that this value is not exceeded. The tables below show the reevings and the associated maximum load capacities. The efficiency of the rope drive has been taken into account in these tables.

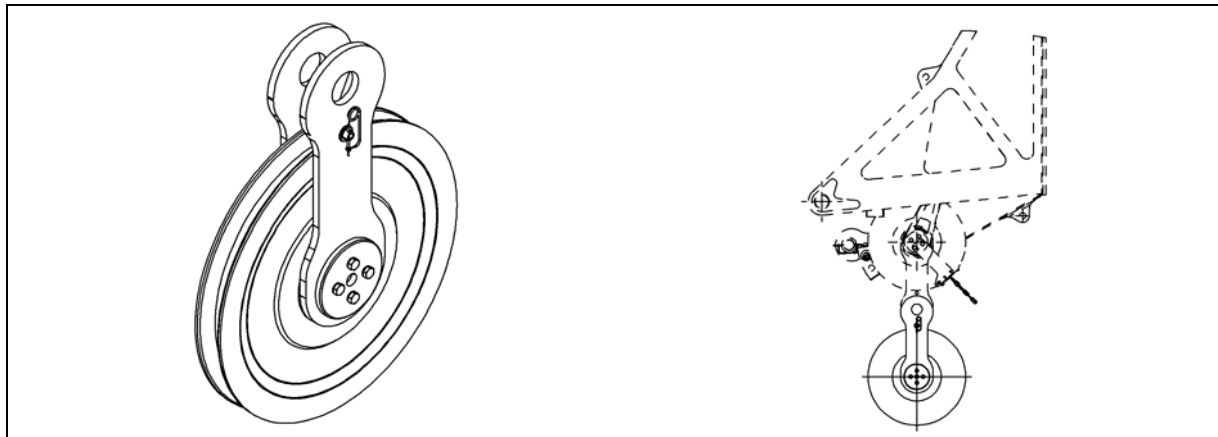
Boom head 2821-1	2821.30	23.0ft (7.0m)	10 (11) rope pulleys (maximum reeving: 20 (22))
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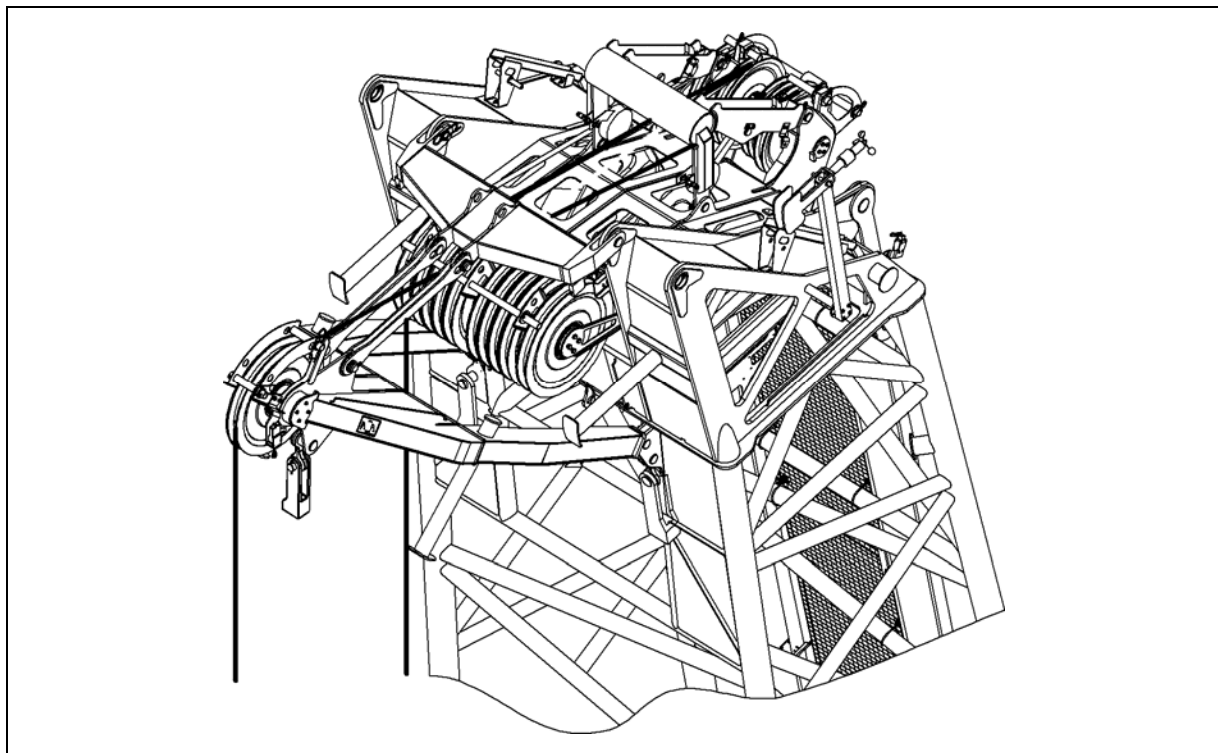
Reeving	1	2	3	4	5	6	7	8	9	10
Load capacity [lbs]	33400	66400	99200	131600	163600	195400	226900	258000	288800	319300
Load capacity [t]	15.2	30.1	45.0	59.7	74.2	88.6	102.9	117.0	131.0	144.8

Reeving	11	12	13	14	15	16	17	18	19	20
Load capacity [lbs]	349500	379400	409000	438300	467300	496000	524500	552600	580500	608100
Load capacity [t]	158.5	172.1	185.5	198.8	212.0	225.0	237.9	250.7	263.3	275.8

Add. equipment: rope pulley 11 (max. reeving: 22)	Reeving	21	22
	Load capacity [lbs]	628900	661400
	Load capacity [t]	285.3	300.0



Boom head 2821-2	2821.30	25.0ft (7,77m)	1 (2) rope pulleys (maximum reeving: 2 (3))
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Reeving	1	2	3
Load capacity [lbs]	33400	66400	79400
Load capacity [t]	15.2	30.1	36.0

The load capacities for the tip boom have been calculated on the assumption that an unladen pulley block with a dead weight of 6600lbs (3t) is reeved at the load fall point main boom head. Load capacity charts are only provided for self-erecting boom lengths.

The pulley block should be reeved in accordance with the reeving diagrams in chapter 6 of the operating manual.

To ensure that at minimum radius the pulley block can always be lowered to the ground, the maximum possible reeving, which depends on the hoisting rope (rope length) used, must be checked. More details can be found in chapter 6 "Required hoist rope length" of the operating manual.

The machine is approved for use in an outside temperature range from -4°F to +104°F (-20°C to +40°C).

Dynamic effects due to hoisting and lowering of the load, booming, slewing, travelling and wind must be considered by the machine operator. The machine operator shall therefore reduce load ratings in order to take these conditions into account.

Rated load capacities do not account for effects of wind on a suspended load or boom. Judgement and experience of the machine operator, job planners and supervisors must be used to compensate for affect of wind on the lifted load and boom by reducing ratings, reducing speeds or a combination of both. Local conditions have to be considered additionally (e.g. wind effects between and around buildings). As a guideline the following table shows rating reductions [%] which shall be used as a minimum. For changing wind speeds an especially for gusts of wind the maximum wind speed must be used. For wind speeds between given values the maximum wind speed has to be taken. The following table is valid only for this machine and the attached chart.

Main boom length [ft (m)]	all combinations
Wind speed [mph (m/s)]	Reduction by: [%]
15 (7)	0
20 (9)	10
25 (11)	
30 (13)	
35 (16)	20
	30
over 35 (16)	Operation prohibited

Chapter 5 "Boom park position" of the operating manual describes the permitted park positions of the machine.

If a wind speed in excess of 50mph (22m/s) is expected or has been forecast, then the entire boom must be laid flat on the ground (see chapters 2 and 5 of the operating manual).

The wind load applied in the load capacity calculation is based on 0.84 square inch per lbs (1.2 m²/t) of the load. If this ratio is greater for light loads with a large surface area, then the manufacturer should be asked to provide details of the reduced load capacities in advance.

The reductions of the load capacities and further restrictions for the use with the tip boom must be taken out of chapter 5 "Hoisting a load at the main boom head load position with tip boom fitted" of the operating manual. Following table gives a rough estimation.

	Reduction by: [lbs (kg)]
Tip boom without rope	2645 (1200)
Tip boom with load hook [1323lbs (600kg)]	4409 (2000)
Tip boom with pulley block [3307lbs (1500kg)]	7165 (3250)

If the pendant straps of the luffing jib remain on the main boom, the following values must be deducted from the load capacity for each pendant strap of the luffing jib.

per 9.8ft (3.0m) pendant strap	per 19.7ft (6.0m) pendant strap	per 39.4ft (12m) pendant strap
110lbs (50kg)	200lbs (90kg)	400lbs (180kg)

The pendant straps of the luffing jib must be completely removed in all cases where main booms are between 262ft (80m) and 404ft (123m) in length. The manufacturer recommends that the pendant straps of the luffing jib are always removed.

The machine operator must hold the qualifications stated in chapter 2 "Personal attributes required of the machine operator" of the operating manual. The machine operator and all other personnel who are involved with its operation must have read and understood the latest applicable ANSI code for mobile crane (ANSI B30.5).

Travelling inevitably produces certain dynamic effects on the machine. For this reason a machine's load must always be reduced before the machine starts to travel. The load reduction should be calculated as follows:

Load capacity - 10%
Load capacity - 2200lbs (1000kg)

The lower value must be used.

The machine must only be moved very slowly (less than 0.9mph (0.4m/s)) and only when the subsoil is level and firm. Any dynamic effects must be reduced to the absolute minimum. The load must not be allowed to sway. See also chapter 5 "Moving the machine on ground slope" of the operating manual.

Blocked crawlers:

Using the load capacities over the tipping edge tumbler or idler the degree rating is limited ($\pm 45^\circ$ alongside to the crawlers). Travelling is not permitted. See also chapter 4 "Blocked Crawlers" of the operating manual.

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 273.4
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
66 ft Main boom, Load fall point Boom, HPT head (2821-1)			
40	61.9	63	301.0
45	56.6	60	260.9
50	50.9	56	224.9
55	44.7	51	197.1
60	37.5	44	174.9
65	28.7	36	156.8
66 ft Main boom, Load fall point Boom, HPT head (2821-2)			
35	72.8	70	79.4
40	68	67	79.4
45	63.1	64	79.4
50	57.9	60	79.4
55	52.2	55	79.4
60	45.8	50	79.4
65	38.4	42	79.4
70	28.7	32	79.4
76 ft Main boom, Load fall point Boom, HPT head (2821-1)			
40	65.9	75	301.1
45	61.5	72	261.4
50	57	69	225.3
55	52.1	65	197.6
60	46.9	60	175.5
65	41.1	54	157.5
70	34.5	47	142.6
75	26.2	37	129.9
76 ft Main boom, Load fall point Boom, HPT head (2821-2)			
35	75.1	80	79.4
40	71.1	78	79.4
45	66.9	75	79.4
50	62.6	72	79.4
55	58.1	68	79.4
60	53.2	64	79.4
65	47.9	59	79.4
70	42	52	79.4
75	35	44	79.4
80	25.8	33	79.4
85 ft Main boom, Load fall point Boom, HPT head (2821-1)			
35	72.5	88	346.3
40	68.9	86	300.4
45	65.1	83	261.3
50	61.3	80	225.3
55	57.3	77	197.5
60	53.1	73	175.4
65	48.5	69	157.5
70	43.7	64	142.6
75	38.3	57	130.0
80	32	49	119.2
85	24.2	39	109.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
85 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	80.2	92	79.4
35	76.8	91	79.4
40	73.3	89	79.4
45	69.8	86	79.4
50	66.1	84	79.4
55	62.3	81	79.4
60	58.3	77	79.4
65	54	73	79.4
70	49.5	68	79.4
75	44.5	62	79.4
80	38.9	55	79.4
85	32.3	46	79.4
90	23.4	34	79.4
95 ft Main boom, Load fall point Boom, HPT head (2821-1)			
35	74.1	98	66.4
40	71.2	96	300.6
45	67.9	94	261.6
50	64.6	92	225.6
55	61.1	89	197.8
60	57.5	86	175.8
65	53.8	82	157.9
70	49.8	78	143.0
75	45.6	73	130.4
80	41	67	119.7
85	35.9	60	110.4
90	29.9	52	102.2
95	22.5	40	94.9
95 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	81.2	102	79.4
35	78.2	101	79.4
40	75.1	99	79.4
45	72	97	79.4
50	68.7	95	79.4
55	65.4	92	79.4
60	62	89	79.4
65	58.4	86	79.4
70	54.6	82	79.4
75	50.6	77	79.4
80	46.3	71	79.4
85	41.6	65	79.4
90	36.3	58	79.4
95	30	48	79.4
100	21.5	34	79.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
105 ft Main boom, Load fall point Boom, HPT head (2821-1)			
35	75.9	108	343.1
40	73	107	299.8
45	70.1	105	261.5
50	67.1	103	225.4
55	64.1	100	197.6
60	60.9	97	175.6
65	57.7	94	157.6
70	54.3	90	142.7
75	50.8	86	130.2
80	47	82	119.5
85	43	76	110.2
90	38.7	70	102.0
95	33.8	63	94.9
100	28.2	54	88.4
105	22.7	44	33.4
105 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	82.1	113	79.4
35	79.3	111	79.4
40	76.5	110	79.4
45	73.7	108	79.4
50	70.8	106	79.4
55	67.9	103	79.4
60	64.9	101	79.4
65	61.7	98	79.4
70	58.5	94	79.4
75	55.1	90	79.4
80	51.5	86	79.4
85	47.8	81	79.4
90	43.7	75	79.4
95	39.2	68	79.4
100	34.1	60	79.4
105	28.1	50	78.1
110	19.8	35	72.7
115 ft Main boom, Load fall point Boom, HPT head (2821-1)			
35	77.1	118	341.9
40	74.5	117	299.3
45	71.9	115	261.4
50	69.2	113	225.3
55	66.5	111	197.5
60	63.7	109	175.4
65	60.8	106	157.5
70	57.9	103	142.6
75	54.8	99	130.0
80	51.6	95	119.3
85	48.2	90	110.0
90	44.7	85	101.9
95	40.9	80	94.8
100	36.7	73	88.4
105	32	65	82.7
110	26.6	55	77.6
115	21.4	46	33.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
Degree rating: 360 °
Foot print: 2-wide track
Counterweight [1000 lbs]: 273.4
Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
115 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	82.7	123	79.4
35	80.2	122	79.4
40	77.7	120	79.4
45	75.1	118	79.4
50	72.5	116	79.4
55	69.9	114	79.4
60	67.2	112	79.4
65	64.4	109	79.4
70	61.5	106	79.4
75	58.6	103	79.4
80	55.5	99	79.4
85	52.3	94	79.4
90	48.9	90	79.4
95	45.3	84	79.4
100	41.4	78	79.4
105	37.1	70	78.3
110	32.2	62	73.0
115	26.4	51	68.2
120	18.4	35	63.7
125 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	80.5	130	391.0
35	78.2	129	339.6
40	75.8	127	296.5
45	73.4	126	261.1
50	70.9	124	225.0
55	68.5	122	197.1
60	65.9	120	175.0
65	63.4	117	157.1
70	60.7	114	142.2
75	58	111	129.6
80	55.2	108	118.9
85	52.3	104	109.6
90	49.2	99	101.5
95	46	94	94.4
100	42.6	89	88.1
105	39	83	82.4
110	35	76	77.3
115	30.5	67	72.6
120	25.3	57	68.4
125	20.2	47	33.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
125 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	83.3	133	79.4
35	81	132	79.4
40	78.7	130	79.4
45	76.3	129	79.4
50	74	127	79.4
55	71.5	125	79.4
60	69.1	123	79.4
65	66.6	120	79.4
70	64	118	79.4
75	61.4	114	79.4
80	58.6	111	79.4
85	55.8	107	79.4
90	52.9	103	79.4
95	49.8	98	79.4
100	46.6	93	79.4
105	43.1	87	78.0
110	39.4	81	72.8
115	35.3	73	68.0
120	30.6	64	63.7
125	24.9	52	59.7
130	19.1	40	33.4
134 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	81.2	140	388.6
35	79	139	338.9
40	76.9	138	295.3
45	74.6	136	261.1
50	72.4	134	224.9
55	70.1	133	197.1
60	67.8	130	175.0
65	65.5	128	157.0
70	63.1	126	142.1
75	60.6	123	129.6
80	58.1	120	118.9
85	55.5	116	109.6
90	52.8	112	101.5
95	50	108	94.4
100	47.1	103	88.0
105	44	98	82.4
110	40.8	92	77.3
115	37.3	86	72.7
120	33.4	78	68.4
125	29.1	70	64.6
130	24.1	59	61.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
134 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	85.9	143	79.4
30	83.8	143	79.4
35	81.7	142	79.4
40	79.5	140	79.4
45	77.4	139	79.4
50	75.2	137	79.4
55	72.9	136	79.4
60	70.7	134	79.4
65	68.4	131	79.4
70	66.1	129	79.4
75	63.7	126	79.4
80	61.2	123	79.4
85	58.7	120	79.4
90	56.1	116	79.4
95	53.4	112	79.4
100	50.6	107	79.4
105	47.7	102	78.0
110	44.6	97	72.8
115	41.2	90	68.1
120	37.6	83	63.8
125	33.7	75	59.9
130	29	65	56.2
135	23.4	53	52.8
140	18	40	33.4
144 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	81.8	150	386.3
35	79.8	149	334.5
40	77.8	148	294.2
45	75.7	146	260.1
50	73.6	145	224.6
55	71.5	143	196.7
60	69.4	141	174.6
65	67.3	139	156.6
70	65.1	137	141.7
75	62.8	134	129.2
80	60.5	131	118.4
85	58.2	128	109.2
90	55.8	125	101.1
95	53.3	121	93.9
100	50.7	117	87.6
105	48.1	112	81.9
110	45.3	107	76.8
115	42.3	102	72.2
120	39.2	96	68.0
125	35.8	89	64.2
130	32.1	81	60.7
135	27.9	72	57.4
140	23	60	54.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 273.4
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
144 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	153	79.4
30	84.2	153	79.4
35	82.2	152	79.4
40	80.2	151	79.4
45	78.2	149	79.4
50	76.2	148	79.4
55	74.1	146	79.4
60	72.1	144	79.4
65	70	142	79.4
70	67.8	140	79.4
75	65.6	137	79.4
80	63.4	134	79.4
85	61.1	131	79.4
90	58.8	128	79.4
95	56.4	124	79.4
100	53.9	120	79.4
105	51.3	116	77.6
110	48.6	111	72.4
115	45.7	106	67.7
120	42.7	100	63.5
125	39.5	93	59.5
130	36	86	55.9
135	32.1	77	52.6
140	27.7	67	49.5
145	22.5	55	46.6
150	16.9	41	33.4
154 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	82.4	160	384.4
35	80.5	159	330.8
40	78.6	158	292.9
45	76.7	157	259.0
50	74.7	155	224.3
55	72.8	154	196.4
60	70.8	152	174.3
65	68.8	150	156.3
70	66.8	148	141.4
75	64.7	145	128.8
80	62.6	142	118.1
85	60.5	140	108.8
90	58.3	136	100.7
95	56	133	93.6
100	53.7	129	87.3
105	51.3	125	81.6
110	48.9	121	76.5
115	46.3	116	71.9
120	43.6	111	67.7
125	40.7	105	63.9
130	37.7	99	60.4
135	34.4	91	57.1
140	30.8	83	54.1
145	26.8	73	51.4
150	22	62	48.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
154 ft Main boom, Load fall point Boom, HPT head (2821-2)			
26	86	163	79.4
30	84.6	163	79.4
35	82.7	162	79.4
40	80.9	161	79.4
45	79	159	79.4
50	77.1	158	79.4
55	75.2	156	79.4
60	73.2	155	79.4
65	71.3	153	79.4
70	69.3	151	79.4
75	67.3	148	79.4
80	65.2	146	79.4
85	63.1	143	79.4
90	61	140	79.4
95	58.8	136	79.4
100	56.6	133	79.4
105	54.2	129	77.3
110	51.8	125	72.1
115	49.3	120	67.4
120	46.7	115	63.2
125	44	109	59.3
130	41.1	103	55.7
135	37.9	96	52.4
140	34.6	88	49.3
145	30.9	80	46.5
150	26.5	69	43.8
155	21.4	56	41.3
164 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	84.6	170	446.9
30	82.8	170	382.5
35	81	169	328.2
40	79.3	168	290.8
45	77.5	167	257.5
50	75.7	165	224.0
55	73.8	164	196.1
60	72	162	173.9
65	70.1	160	155.9
70	68.3	158	140.9
75	66.3	156	128.4
80	64.4	154	117.6
85	62.4	151	108.3
90	60.4	148	100.2
95	58.4	145	93.1
100	56.2	142	86.8
105	54.1	138	81.1
110	51.9	134	76.0
115	49.6	130	71.4
120	47.2	125	67.2
125	44.7	120	63.4
130	42.1	114	59.9
135	39.3	108	56.7
140	36.4	102	53.7
145	33.2	94	50.9
150	29.7	85	48.3
155	25.8	75	45.9
160	21.1	63	43.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
164 ft Main boom, Load fall point Boom, HPT head (2821-2)			
27	86	173	79.4
30	84.9	172	79.4
35	83.2	172	79.4
40	81.4	171	79.4
45	79.6	170	79.4
50	77.9	168	79.4
55	76.1	167	79.4
60	74.3	165	79.4
65	72.5	163	79.4
70	70.6	161	79.4
75	68.7	159	79.4
80	66.8	157	79.4
85	64.9	154	79.4
90	62.9	151	79.4
95	60.9	148	79.4
100	58.8	145	79.4
105	56.7	141	76.9
110	54.6	138	71.7
115	52.3	133	67.0
120	50	129	62.7
125	47.6	124	58.8
130	45.1	119	55.3
135	42.4	113	52.0
140	39.6	106	48.9
145	36.6	99	46.1
150	33.3	91	43.4
155	29.7	82	41.0
160	25.4	70	38.6
165	20.3	56	36.4
174 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	84.9	180	438.3
30	83.2	180	377.6
35	81.6	179	326.0
40	79.9	178	286.8
45	78.2	177	256.2
50	76.5	176	223.8
55	74.8	174	195.8
60	73.1	173	173.7
65	71.3	171	155.6
70	69.6	169	140.7
75	67.8	167	128.1
80	66	165	117.4
85	64.1	162	108.1
90	62.3	160	100.0
95	60.4	157	92.9
100	58.4	154	86.5
105	56.4	150	80.9
110	54.4	146	75.8
115	52.3	143	71.2
120	50.2	138	67.0
125	47.9	134	63.2
130	45.6	129	59.7
135	43.2	124	56.5
140	40.7	118	53.5
145	38	111	50.7
150	35.2	104	48.2
155	32.1	96	45.8
160	28.7	88	43.5
165	24.9	77	41.4
170	20.3	64	39.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 273.4
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
174 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	183	79.4
30	85.2	182	79.4
35	83.5	182	79.4
40	81.9	181	79.4
45	80.2	180	79.4
50	78.6	178	79.4
55	76.9	177	79.4
60	75.2	176	79.4
65	73.5	174	79.4
70	71.7	172	79.4
75	70	170	79.4
80	68.2	168	79.4
85	66.4	165	79.4
90	64.6	163	79.4
95	62.7	160	79.1
100	60.8	157	78.8
105	58.9	154	76.6
110	56.9	150	71.5
115	54.9	146	66.8
120	52.8	142	62.5
125	50.6	138	58.6
130	48.3	133	55.1
135	46	128	51.8
140	43.6	122	48.8
145	41	116	45.9
150	38.2	109	43.3
155	35.4	102	40.9
160	32.2	93	38.6
165	28.6	83	36.4
170	24.5	72	34.3
175	20.8	61	32.6
184 ft Main boom, Load fall point Boom, HPT head (2821-1)			
22	86	190	419.7
25	85.2	190	419.7
30	83.6	190	368.6
35	82	189	323.8
40	80.4	188	283.7
45	78.8	187	254.8
50	77.2	186	223.5
55	75.6	184	195.5
60	74	183	173.3
65	72.4	181	155.2
70	70.7	180	140.3
75	69	178	127.7
80	67.3	176	116.9
85	65.6	173	107.6
90	63.9	171	99.5
95	62.1	168	92.4
100	60.3	165	86.0
105	58.5	162	80.4
110	56.6	159	75.3
115	54.7	155	70.7
120	52.7	151	66.5
125	50.7	147	62.7
130	48.6	143	59.2
135	46.5	138	55.9
140	44.2	133	53.0
145	41.9	127	50.2
150	39.4	121	47.7
155	36.8	114	45.3
160	34.1	107	43.0
165	31.1	99	40.9
170	27.8	90	39.0
175	24	79	37.1
180	19.6	65	35.3

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
184 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	193	79.4
30	85.4	192	79.4
35	83.9	192	79.4
40	82.3	191	79.4
45	80.8	190	79.4
50	79.2	189	79.4
55	77.6	187	79.4
60	76	186	79.4
65	74.4	184	79.4
70	72.8	182	79.4
75	71.1	180	79.4
80	69.4	178	79.4
85	67.8	176	79.4
90	66.1	174	79.4
95	64.3	171	79.4
100	62.5	168	78.1
105	60.8	165	76.2
110	58.9	162	71.0
115	57.1	158	66.3
120	55.1	155	62.1
125	53.1	151	58.2
130	51.1	146	54.6
135	49	142	51.3
140	46.8	137	48.3
145	44.6	131	45.5
150	42.2	126	42.9
155	39.7	119	40.4
160	37	112	38.1
165	34.2	104	36.0
170	31.1	96	34.0
175	28.5	88	32.2
180	24.6	76	30.4
185	20	62	28.6
194 ft Main boom, Load fall point Boom, HPT head (2821-1)			
23	86	200	392.7
25	85.4	200	392.7
30	83.9	200	358.4
35	82.4	199	321.6
40	80.9	198	281.4
45	79.4	197	251.9
50	77.9	196	223.1
55	76.4	195	195.1
60	74.8	193	172.9
65	73.3	192	154.8
70	71.7	190	139.9
75	70.2	188	127.3
80	68.6	186	116.5
85	66.9	184	107.2
90	65.3	182	99.1
95	63.7	179	91.9
100	62	176	85.6
105	60.3	174	79.9
110	58.5	170	74.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
194 ft Main boom, Load fall point Boom, HPT head (2821-1)			
115	56.8	167	70.2
120	54.9	164	66.1
125	53.1	160	62.2
130	51.2	156	58.7
135	49.2	151	55.5
140	47.2	147	52.6
145	45.1	142	49.8
150	42.9	136	47.3
155	40.7	131	44.9
160	38.3	124	42.6
165	35.7	117	40.6
170	33	110	38.6
175	30.1	101	36.7
180	26.9	92	35.0
185	24.1	83	33.4
190	19.9	70	31.9
194 ft Main boom, Load fall point Boom, HPT head (2821-2)			
29	86	202	79.4
30	85.7	202	79.4
35	84.2	202	79.4
40	82.7	201	79.4
45	81.2	200	79.4
50	79.7	199	79.4
55	78.2	198	79.4
60	76.7	196	79.4
65	75.2	195	79.4
70	73.7	193	79.4
75	72.1	191	79.4
80	70.5	189	79.4
85	69	187	79.4
90	67.4	185	79.4
95	65.7	182	79.4
100	64.1	180	79.1
105	62.4	177	75.8
110	60.7	174	70.6
115	59	170	65.9
120	57.2	167	61.7
125	55.4	163	57.8
130	53.5	159	54.2
135	51.6	155	50.9
140	49.6	150	47.9
145	47.6	146	45.1
150	45.4	140	42.5
155	43.3	135	40.1
160	40.9	129	37.8
165	38.5	122	35.6
170	35.9	115	33.6
175	33.8	108	31.9
180	30.8	100	30.1
185	27.5	90	28.4
190	23.8	78	26.8
195	19.2	63	25.2

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 273.4
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
203 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	210	363.6
25	85.6	210	363.6
30	84.2	209	344.3
35	82.8	209	319.1
40	81.4	208	278.6
45	79.9	207	247.7
50	78.5	206	222.8
55	77	205	194.8
60	75.6	204	172.5
65	74.1	202	154.4
70	72.6	200	139.4
75	71.2	199	126.8
80	69.7	197	116.0
85	68.1	195	106.7
90	66.6	192	98.6
95	65	190	91.4
100	63.5	188	85.1
105	61.9	185	79.4
110	60.2	182	74.3
115	58.6	179	69.7
120	56.9	176	65.5
125	55.2	172	61.7
130	53.4	168	58.2
135	51.6	164	55.0
140	49.8	160	52.0
145	47.9	156	49.3
150	45.9	151	46.7
155	43.8	146	44.3
160	41.7	140	42.1
165	39.5	134	40.0
170	37.2	127	38.1
175	34.7	120	36.2
180	32.1	112	34.5
185	29.9	105	33.0
190	26.8	96	31.4
195	23.3	84	29.9
200	19.2	71	28.5
203 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	86	212	79.4
30	85.9	212	79.4
35	84.5	212	79.4
40	83.1	211	79.4
45	81.7	210	79.4
50	80.2	209	79.4
55	78.8	208	79.4
60	77.4	206	79.4
65	75.9	205	79.4
70	74.5	203	79.4
75	73	202	79.4
80	71.5	200	79.4
85	70	198	79.4
90	68.5	196	79.4
95	67	193	79.4
100	65.4	191	79.4
105	63.9	188	75.3
110	62.3	185	70.1
115	60.6	182	65.4
120	59	179	61.2
125	57.3	176	57.3

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
203 ft Main boom, Load fall point Boom, HPT head (2821-2)			
130	55.6	172	53.7
135	53.8	168	50.4
140	52	164	47.4
145	50.1	159	44.6
150	48.2	154	42.0
155	46.2	149	39.5
160	44.1	144	37.3
165	42	138	35.1
170	40.3	133	33.3
175	37.9	126	31.4
180	35.5	119	29.7
185	32.8	111	28.0
190	29.9	102	26.3
195	26.7	91	24.8
200	23	79	23.3
205	18.5	64	21.9
213 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	220	66.4
25	85.8	220	337.2
30	84.5	219	328.2
35	83.1	219	310.4
40	81.8	218	276.3
45	80.4	217	244.4
50	79	216	221.0
55	77.7	215	194.4
60	76.3	214	172.2
65	74.9	212	154.1
70	73.5	211	139.1
75	72.1	209	126.5
80	70.6	207	115.7
85	69.2	205	106.4
90	67.7	203	98.3
95	66.3	201	91.1
100	64.8	199	84.7
105	63.3	196	79.1
110	61.7	193	74.0
115	60.2	190	69.4
120	58.6	187	65.2
125	57	184	61.4
130	55.4	181	57.9
135	53.7	177	54.7
140	52	173	51.7
145	50.2	169	48.9
150	48.4	164	46.4
155	46.6	160	44.0
160	44.7	155	41.8
165	42.7	149	39.7
170	40.6	143	37.8
175	38.5	137	35.9
180	36.2	130	34.2
185	34.3	124	32.7
190	31.8	116	31.1
195	29	108	29.7
200	26	98	28.3
205	22.6	86	26.9
210	18.6	72	25.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
213 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	86	222	79.4
35	84.7	221	79.4
40	83.4	221	79.4
45	82	220	79.4
50	80.7	219	79.4
55	79.3	218	79.4
60	78	216	79.4
65	76.6	215	79.4
70	75.2	214	79.4
75	73.8	212	79.4
80	72.4	210	79.4
85	71	208	79.4
90	69.6	206	79.4
95	68.1	204	79.4
100	66.6	202	79.4
105	65.2	199	75.0
110	63.7	196	69.8
115	62.1	194	65.1
120	60.6	191	60.9
125	59	188	57.0
130	57.4	184	53.4
135	55.8	180	50.1
140	54.1	176	47.1
145	52.4	172	44.3
150	50.6	168	41.7
155	48.8	163	39.3
160	46.9	158	37.0
165	45	153	34.9
170	43.4	149	33.1
175	41.4	143	31.2
180	39.2	136	29.4
185	36.9	129	27.7
190	34.5	122	26.1
195	31.9	113	24.6
200	29	104	23.2
205	25.9	93	21.8
210	22.3	80	20.4
215	17.9	64	19.1
223 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	86	230	66.4
30	84.7	229	311.2
35	83.4	229	296.3
40	82.1	228	272.2
45	80.8	227	241.1
50	79.5	226	217.4
55	78.2	225	194.1
60	76.9	224	171.8
65	75.6	222	153.7
70	74.2	221	138.7
75	72.9	220	126.0
80	71.5	218	115.2
85	70.2	216	105.9
90	68.8	214	97.8
95	67.4	212	90.6
100	66	210	84.2
105	64.6	207	78.6
110	63.1	205	73.4
115	61.6	202	68.8
120	60.2	199	64.6
125	58.7	196	60.8
130	57.1	193	57.3
135	55.6	189	54.1
140	54	186	51.1

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 273.4
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
223 ft Main boom, Load fall point Boom, HPT head (2821-1)			
145	52.3	182	48.4
150	50.7	178	45.8
155	49	173	43.5
160	47.2	168	41.2
165	45.4	164	39.2
170	43.5	158	37.2
175	41.6	153	35.4
180	39.6	147	33.6
185	38	142	32.2
190	35.8	135	30.6
195	33.4	127	29.1
200	31	119	27.7
205	28.3	110	26.4
210	25.3	99	25.1
215	22	87	23.9
220	18	73	22.8
223 ft Main boom, Load fall point Boom, HPT head (2821-2)			
31	86	232	79.4
35	85	231	79.4
40	83.7	231	79.4
45	82.4	230	79.4
50	81.1	229	79.4
55	79.8	228	79.4
60	78.5	227	79.4
65	77.2	225	79.4
70	75.9	224	79.4
75	74.5	222	79.4
80	73.2	221	79.4
85	71.9	219	79.4
90	70.5	217	79.4
95	69.1	215	79.4
100	67.7	213	79.4
105	66.3	210	74.5
110	64.9	208	69.3
115	63.5	205	64.6
120	62	202	60.4
125	60.5	199	56.5
130	59	196	52.9
135	57.5	192	49.6
140	55.9	189	46.6
145	54.3	185	43.8
150	52.7	181	41.2
155	51	177	38.7
160	49.3	172	36.5
165	47.5	167	34.4
170	46.1	163	32.6
175	44.3	158	30.7
180	42.3	152	28.9
185	40.3	146	27.2
190	38.2	139	25.6
195	35.9	132	24.1
200	33.6	124	22.7
205	31	115	21.3
210	28.2	106	20.0
215	25.1	95	18.8
220	21.6	82	17.5
225	17.2	65	16.3

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
233 ft Main boom, Load fall point Boom, HPT head (2821-1)			
26	86	240	66.4
30	85	239	294.7
35	83.7	238	277.8
40	82.5	238	261.3
45	81.2	237	233.8
50	80	236	212.0
55	78.7	235	193.7
60	77.5	234	171.4
65	76.2	233	153.3
70	74.9	231	138.2
75	73.6	230	125.6
80	72.3	228	114.8
85	71	226	105.4
90	69.7	225	97.3
95	68.4	223	90.1
100	67.1	220	83.8
105	65.7	218	78.1
110	64.3	216	73.0
115	63	213	68.4
120	61.6	210	64.2
125	60.1	208	60.4
130	58.7	204	56.9
135	57.2	201	53.6
140	55.7	198	50.7
145	54.2	194	47.9
150	52.7	190	45.4
155	51.1	186	43.0
160	49.5	182	40.8
165	47.8	177	38.7
170	46.1	172	36.7
175	44.3	167	34.9
180	42.9	163	33.3
185	41	157	31.7
190	39.1	151	30.2
195	37	145	28.7
200	34.9	137	27.3
205	32.6	130	26.0
210	30.2	121	24.7
215	27.6	112	23.5
220	24.7	101	22.4
225	21.4	89	21.3
233 ft Main boom, Load fall point Boom, HPT head (2821-2)			
32	86	242	79.4
35	85.2	241	79.4
40	83.9	241	79.4
45	82.7	240	79.4
50	81.5	239	79.4
55	80.2	238	79.4
60	79	237	79.4
65	77.7	236	79.4
70	76.5	234	79.4
75	75.2	233	79.4
80	73.9	231	79.4
85	72.7	229	79.3
90	71.4	228	78.8
95	70	226	78.2
100	68.7	223	77.8
105	67.4	221	74.1
110	66	219	68.9
115	64.7	216	64.2
120	63.3	214	59.9
125	61.9	211	56.0
130	60.5	208	52.5
135	59	204	49.2
140	57.6	201	46.1

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
233 ft Main boom, Load fall point Boom, HPT head (2821-2)			
145	56.1	198	43.3
150	54.6	194	40.7
155	53	190	38.3
160	51.4	186	36.0
165	49.8	181	33.9
170	48.5	177	32.1
175	46.8	172	30.2
180	45	167	28.5
185	43.2	162	26.8
190	41.3	156	25.2
195	39.3	149	23.7
200	37.2	142	22.3
205	35	135	20.9
210	32.7	127	19.6
215	30.2	118	18.4
220	27.5	108	17.2
225	24.5	96	16.1
230	21	83	14.9
235	16.7	66	13.8
243 ft Main boom, Load fall point Boom, HPT head (2821-1)			
26	86	249	273.2
30	85.2	249	273.2
35	84	248	261.0
40	82.8	248	250.9
45	81.6	247	226.5
50	80.4	246	206.5
55	79.2	245	191.1
60	78	244	171.0
65	76.8	243	152.8
70	75.5	242	137.8
75	74.3	240	125.1
80	73.1	239	114.3
85	71.8	237	104.9
90	70.6	235	96.8
95	69.3	233	89.6
100	68	231	83.2
105	66.8	229	77.6
110	65.5	227	72.4
115	64.1	224	67.8
120	62.8	222	63.6
125	61.5	219	59.8
130	60.1	216	56.3
135	58.7	213	53.1
140	57.3	210	50.1
145	55.9	206	47.3
150	54.4	203	44.8
155	52.9	199	42.4
160	51.4	195	40.2
165	49.9	191	38.1
170	48.3	186	36.2
175	46.7	181	34.3
180	45.4	178	32.8
185	43.7	172	31.1
190	41.9	167	29.6
195	40.1	161	28.1
200	38.2	154	26.7
205	36.2	148	25.4
210	34.1	140	24.2
215	31.8	132	23.0
220	29.5	123	21.8
225	26.9	114	20.7
230	24	103	19.7
235	20.8	90	18.7

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 273.4
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
243 ft Main boom, Load fall point Boom, HPT head (2821-2)			
32	86	252	79.4
35	85.4	251	79.4
40	84.2	250	79.4
45	83	250	79.4
50	81.8	249	79.4
55	80.6	248	79.4
60	79.4	247	79.4
65	78.2	246	79.4
70	77	244	79.4
75	75.8	243	79.4
80	74.6	241	79.4
85	73.4	240	79.4
90	72.1	238	78.7
95	70.9	236	77.3
100	69.6	234	76.0
105	68.4	232	73.6
110	67.1	230	68.4
115	65.8	227	63.7
120	64.5	225	59.4
125	63.2	222	55.5
130	61.8	219	51.9
135	60.5	216	48.6
140	59.1	213	45.6
145	57.7	210	42.8
150	56.2	206	40.2
155	54.8	202	37.8
160	53.3	198	35.5
165	52.1	195	33.4
170	50.5	191	31.6
175	49	186	29.7
180	47.3	181	27.9
185	45.7	176	26.3
190	43.9	171	24.7
195	42.2	165	23.2
200	40.3	159	21.8
205	38.4	152	20.4
210	36.3	145	19.1
215	34.2	137	17.9
220	31.9	129	16.7
225	29.5	120	15.6
230	26.8	109	14.5
235	23.8	98	13.4
240	20.4	84	12.4
245	16.1	66	11.4
253 ft Main boom, Load fall point Boom, HPT head (2821-1)			
27	86	259	257.6
30	85.3	259	257.6
35	84.2	258	252.9
40	83.1	258	247.8
45	81.9	257	227.8
50	80.8	256	206.6
55	79.6	255	189.9
60	78.5	254	170.6
65	77.3	253	152.5
70	76.1	252	137.4
75	74.9	250	124.7
80	73.8	249	113.9
85	72.6	247	104.6
90	71.4	246	96.4
95	70.2	244	89.2
100	68.9	242	82.9
105	67.7	240	77.2
110	66.5	238	72.1
115	65.2	235	67.4
120	64	233	63.2

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
253 ft Main boom, Load fall point Boom, HPT head (2821-1)			
125	62.7	230	59.4
130	61.4	227	55.9
135	60.1	224	52.7
140	58.7	221	49.7
145	57.4	218	47.0
150	56	215	44.4
155	54.6	211	42.0
160	53.2	207	39.8
165	51.8	203	37.7
170	50.3	199	35.8
175	48.8	195	34.0
180	47.6	191	32.4
185	46	186	30.8
190	44.4	181	29.2
195	42.7	176	27.8
200	41	170	26.4
205	39.2	164	25.1
210	37.3	157	23.8
215	35.3	150	22.6
220	33.3	143	21.5
225	31.1	135	20.4
230	28.8	126	19.3
235	26.2	116	18.3
240	23.4	104	17.4
245	20.3	91	16.4
253 ft Main boom, Load fall point Boom, HPT head (2821-2)			
33	86	261	79.4
35	85.5	261	79.4
40	84.4	260	79.4
45	83.3	260	79.4
50	82.1	259	79.4
55	81	258	79.4
60	79.9	257	79.4
65	78.7	256	79.4
70	77.6	254	79.4
75	76.4	253	79.4
80	75.2	252	79.4
85	74	250	79.4
90	72.9	248	79.4
95	71.7	247	77.4
100	70.5	245	75.4
105	69.2	243	73.2
110	68	240	68.0
115	66.8	238	63.3
120	65.6	236	59.1
125	64.3	233	55.2
130	63	230	51.6
135	61.7	228	48.3
140	60.4	225	45.3
145	59.1	221	42.4
150	57.7	218	39.8
155	56.4	214	37.4
160	55	211	35.1
165	53.8	208	33.2
170	52.4	204	31.2

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
253 ft Main boom, Load fall point Boom, HPT head (2821-2)			
175	50.9	199	29.3
180	49.4	195	27.6
185	47.9	190	25.9
190	46.3	185	24.3
195	44.6	180	22.8
200	42.9	174	21.4
205	41.2	168	20.1
210	39.4	162	18.8
215	37.5	155	17.6
220	35.5	148	16.4
225	33.4	140	15.3
230	31.2	131	14.2
235	28.7	122	13.2
240	26.1	111	12.2
245	23.2	99	11.2
250	19.8	85	10.2
262 ft Main boom, Load fall point Boom, HPT head (2821-1)			
28	86	269	239.9
30	85.5	269	239.9
35	84.4	268	237.6
40	83.3	268	234.0
45	82.2	267	221.9
50	81.1	266	202.5
55	80	265	186.7
60	78.9	264	170.2
65	77.8	263	152.1
70	76.7	262	137.0
75	75.5	261	124.3
80	74.4	259	113.4
85	73.2	258	104.1
90	72.1	256	95.9
95	70.9	254	88.7
100	69.8	252	82.3
105	68.6	250	76.6
110	67.4	248	71.5
115	66.2	246	66.9
120	65	244	62.7
125	63.8	241	58.9
130	62.6	239	55.4
135	61.3	236	52.1
140	60.1	233	49.1
145	58.8	230	46.4
150	57.5	227	43.8
155	56.2	223	41.5
160	54.8	220	39.2
165	53.5	216	37.2
170	52.1	212	35.2
175	50.7	208	33.4
180	49.5	205	31.8
185	48.1	200	30.2
190	46.6	195	28.6
195	45	190	27.2
200	43.4	185	25.8
205	41.8	179	24.5
210	40.1	173	23.2
215	38.3	167	22.0
220	36.5	160	20.9
225	34.6	153	19.8
230	32.6	145	18.8
235	30.4	137	17.8
240	28.1	128	16.8
245	25.6	117	15.9
250	22.9	106	15.0
255	19.8	92	14.2

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 273.4
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
262 ft Main boom, Load fall point Boom, HPT head (2821-2)			
34	86	271	79.4
35	85.7	271	79.4
40	84.6	270	79.4
45	83.5	270	79.4
50	82.4	269	79.4
55	81.3	268	79.4
60	80.2	267	79.4
65	79.1	266	79.4
70	78	265	79.4
75	76.9	263	79.4
80	75.8	262	79.4
85	74.7	260	79.4
90	73.5	259	79.4
95	72.4	257	78.6
100	71.2	255	75.8
105	70.1	253	72.7
110	68.9	251	67.5
115	67.7	249	62.8
120	66.6	247	58.6
125	65.3	244	54.6
130	64.1	242	51.1
135	62.9	239	47.8
140	61.6	236	44.7
145	60.4	233	41.9
150	59.1	230	39.3
155	57.8	226	36.9
160	56.5	223	34.6
165	55.4	220	32.7
170	54.1	216	30.7
175	52.7	212	28.8
180	51.3	208	27.0
185	49.8	204	25.4
190	48.3	199	23.8
195	46.8	194	22.3
200	45.3	189	20.9
205	43.7	183	19.5
210	42	178	18.2
215	40.3	172	17.0
220	38.5	165	15.9
225	36.7	158	14.7
230	34.7	150	13.7
235	32.6	142	12.6
240	30.4	133	11.7
245	28.1	124	10.7
250	25.5	113	9.8
255	22.6	100	8.9
260	19.3	86	7.9
272 ft Main boom, Load fall point Boom, HPT head (2821-1)			
28	86	279	222.0
30	85.7	279	222.0
35	84.6	278	221.2
40	83.6	278	219.0
45	82.5	277	213.6
50	81.4	276	196.1
55	80.4	275	181.5
60	79.3	274	169.3
65	78.2	273	151.6
70	77.1	272	136.5
75	76.1	271	123.8
80	75	269	113.0
85	73.9	268	103.6
90	72.8	266	95.4
95	71.7	265	88.2
100	70.5	263	81.9
105	69.4	261	76.2

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
272 ft Main boom, Load fall point Boom, HPT head (2821-1)			
110	68.3	259	71.0
115	67.1	257	66.4
120	66	255	62.2
125	64.8	252	58.4
130	63.6	250	54.9
135	62.5	247	51.6
140	61.3	244	48.6
145	60	241	45.9
150	58.8	238	43.3
155	57.6	235	41.0
160	56.3	232	38.7
165	55	228	36.7
170	53.7	224	34.7
175	52.6	222	33.0
180	51.3	218	31.3
185	49.9	213	29.7
190	48.5	209	28.1
195	47.1	204	26.7
200	45.6	199	25.3
205	44.1	194	24.0
210	42.5	189	22.7
215	40.9	183	21.6
220	39.3	177	20.4
225	37.5	170	19.3
230	35.7	163	18.3
235	33.9	156	17.3
240	31.9	148	16.4
245	29.8	139	15.4
250	27.5	130	14.6
255	25.1	119	13.7
260	22.4	107	12.9
265	19.3	94	12.1
272 ft Main boom, Load fall point Boom, HPT head (2821-2)			
34	86	281	79.4
35	85.9	281	79.4
40	84.8	280	79.4
45	83.8	280	79.4
50	82.7	279	79.4
55	81.7	278	79.4
60	80.6	277	79.4
65	79.5	276	79.4
70	78.5	275	79.4
75	77.4	274	79.4
80	76.3	272	79.4
85	75.2	271	79.4
90	74.1	269	79.4
95	73	268	79.4
100	71.9	266	77.2
105	70.8	264	72.3
110	69.7	262	67.1
115	68.6	260	62.4
120	67.5	258	58.1
125	66.3	255	54.2
130	65.1	253	50.6
135	64	250	47.3
140	62.8	247	44.3
145	61.6	244	41.4
150	60.3	242	38.8
155	59.1	238	36.4
160	57.9	235	34.1
165	56.9	232	32.2
170	55.6	229	30.2
175	54.3	225	28.3
180	52.9	221	26.6
185	51.6	217	24.9

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
272 ft Main boom, Load fall point Boom, HPT head (2821-2)			
190	50.2	212	23.3
195	48.8	208	21.8
200	47.3	203	20.4
205	45.9	198	19.1
210	44.3	193	17.8
215	42.8	187	16.6
220	41.1	181	15.4
225	39.5	175	14.3
230	37.7	168	13.2
235	35.9	161	12.2
240	34	153	11.2
245	31.9	145	10.3
250	29.8	136	9.4
255	27.5	126	8.4
260	24.9	114	7.3
265	22.1	102	6.3
270	18.8	87	5.2
282 ft Main boom, Load fall point Boom, HPT head (2821-1)			
29	86	289	205.3
30	85.8	289	205.3
35	84.8	288	204.8
40	83.8	288	202.9
45	82.8	287	201.1
50	81.7	286	186.8
55	80.7	285	174.8
60	79.7	284	165.0
65	78.6	283	151.2
70	77.6	282	136.1
75	76.6	281	123.4
80	75.5	280	112.5
85	74.5	278	103.1
90	73.4	277	94.9
95	72.3	275	87.7
100	71.3	273	81.3
105	70.2	272	75.6
110	69.1	270	70.5
115	68	268	65.9
120	66.9	265	61.6
125	65.8	263	57.8
130	64.6	261	54.3
135	63.5	258	51.1
140	62.4	256	48.1
145	61.2	253	45.3
150	60	250	42.8
155	58.8	247	40.4
160	57.6	244	38.1
165	56.4	240	36.1
170	55.2	237	34.1
175	54.2	234	32.5
180	52.9	230	30.7
185	51.6	226	29.1
190	50.3	222	27.6
195	48.9	218	26.1

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 273.4
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
282 ft Main boom, Load fall point Boom, HPT head (2821-1)			
200	47.5	213	24.7
205	46.1	208	23.4
210	44.7	203	22.2
215	43.2	198	21.0
220	41.7	192	19.8
225	40.1	186	18.8
230	38.5	180	17.7
235	36.8	173	16.7
240	35	166	15.8
245	33.2	158	14.9
250	31.2	150	14.0
255	29.1	141	13.2
260	26.9	132	12.3
265	24.5	121	11.6
270	21.9	109	10.8
275	18.8	95	10.1
282 ft Main boom, Load fall point Boom, HPT head (2821-2)			
35	86	291	79.4
40	85	290	79.4
45	84	290	79.4
50	83	289	79.4
55	81.9	288	79.4
60	80.9	287	79.4
65	79.9	286	79.4
70	78.9	285	79.4
75	77.8	284	79.4
80	76.8	282	79.4
85	75.8	281	79.4
90	74.7	280	79.4
95	73.6	278	79.4
100	72.6	276	77.6
105	71.5	274	71.8
110	70.4	272	66.6
115	69.4	270	61.8
120	68.3	268	57.6
125	67.2	266	53.7
130	66.1	264	50.1
135	64.9	261	46.8
140	63.8	259	43.7
145	62.7	256	40.9
150	61.5	253	38.3
155	60.3	250	35.8
160	59.1	247	33.6
165	58.2	244	31.7
170	57	241	29.7
175	55.7	237	27.8
180	54.5	234	26.0
185	53.2	230	24.3
190	51.9	225	22.8
195	50.5	221	21.3
200	49.2	217	19.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
282 ft Main boom, Load fall point Boom, HPT head (2821-2)			
205	47.8	212	18.5
210	46.4	207	17.2
215	44.9	202	16.0
220	43.4	196	14.8
225	41.9	190	13.7
230	40.3	184	12.7
235	38.7	178	11.6
240	36.9	171	10.7
245	35.1	163	9.7
250	33.3	156	8.6
255	31.3	147	7.6
260	29.1	138	6.5
265	26.9	127	5.5
270	24.3	116	4.5
275	21.5	103	3.5
280	18.3	88	2.5
292 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	86	298	66.4
30	86	298	191.3
35	85	298	191.3
40	84	297	189.5
45	83	297	188.2
50	82	296	178.8
55	81	295	168.1
60	80	294	159.2
65	79	293	149.7
70	78	292	135.7
75	77	291	122.9
80	76	290	112.1
85	75	288	102.7
90	74	287	94.5
95	72.9	285	87.3
100	71.9	284	80.9
105	70.9	282	75.2
110	69.8	280	70.1
115	68.8	278	65.4
120	67.7	276	61.2
125	66.6	274	57.4
130	65.6	272	53.9
135	64.5	269	50.6
140	63.4	267	47.6
145	62.3	264	44.9
150	61.1	261	42.3
155	60	258	39.9
160	58.8	255	37.7
165	57.7	252	35.6
170	56.5	249	33.7
175	55.6	246	32.0
180	54.4	242	30.3
185	53.1	239	28.7
190	51.9	235	27.1
195	50.6	231	25.7
200	49.3	226	24.3
205	48	222	23.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
292 ft Main boom, Load fall point Boom, HPT head (2821-1)			
210	46.6	217	21.7
215	45.3	212	20.6
220	43.8	207	19.4
225	42.4	201	18.3
230	40.9	196	17.3
235	39.3	190	16.3
240	37.7	183	15.4
245	36.1	176	14.5
250	34.3	169	13.6
255	32.5	161	12.8
260	30.6	153	12.0
265	28.6	144	11.2
270	26.4	134	10.4
275	24	123	9.7
280	21.4	110	9.0
285	18.4	96	8.3
292 ft Main boom, Load fall point Boom, HPT head (2821-2)			
36	86	301	79.4
40	85.2	300	79.4
45	84.2	300	79.4
50	83.2	299	79.4
55	82.2	298	79.4
60	81.2	297	79.4
65	80.2	296	79.4
70	79.2	295	79.4
75	78.3	294	79.4
80	77.2	293	79.4
85	76.2	291	79.4
90	75.2	290	79.4
95	74.2	288	79.4
100	73.2	287	77.2
105	72.2	285	71.4
110	71.1	283	66.2
115	70.1	281	61.4
120	69.1	279	57.2
125	68	277	53.3
130	66.9	275	49.7
135	65.8	272	46.4
140	64.8	270	43.3
145	63.7	267	40.5
150	62.5	264	37.9
155	61.4	262	35.4
160	60.3	258	33.2
165	59.4	256	31.3
170	58.2	253	29.3
175	57	249	27.4
180	55.8	246	25.6
185	54.6	242	23.9
190	53.4	238	22.4
195	52.1	234	20.9
200	50.9	230	19.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 273.4
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
292 ft Main boom, Load fall point Boom, HPT head (2821-2)			
205	49.6	225	18.1
210	48.2	221	16.8
215	46.9	216	15.6
220	45.5	211	14.5
225	44.1	205	13.3
230	42.6	200	12.3
235	41.1	194	11.3
240	39.5	187	10.3
245	37.9	181	9.3
250	36.2	174	8.1
255	34.4	166	7.1
260	32.6	158	6.0
265	30.6	149	5.0
270	28.5	140	4.0
275	26.3	129	3.1
280	23.8	118	2.1
302 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	86	308	66.4
35	85.2	308	177.3
40	84.2	307	176.4
45	83.2	307	175.5
50	82.3	306	170.4
55	81.3	305	161.3
60	80.4	304	153.6
65	79.4	303	147.2
70	78.4	302	134.5
75	77.5	301	122.5
80	76.5	300	111.6
85	75.5	299	102.2
90	74.5	297	94.0
95	73.5	296	86.8
100	72.5	294	80.4
105	71.5	292	74.7
110	70.5	291	69.5
115	69.5	289	64.9
120	68.5	287	60.7
125	67.4	285	56.8
130	66.4	282	53.3
135	65.4	280	50.1
140	64.3	278	47.1
145	63.2	275	44.3
150	62.2	272	41.8
155	61.1	270	39.4
160	60	267	37.1
165	58.9	264	35.1
170	58	261	33.3
175	56.9	258	31.5
180	55.7	255	29.7
185	54.5	251	28.1
190	53.3	247	26.6
195	52.1	243	25.1
200	50.9	239	23.7
205	49.7	235	22.4
210	48.4	230	21.2
215	47.1	226	20.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
302 ft Main boom, Load fall point Boom, HPT head (2821-1)			
220	45.8	221	18.8
225	44.4	216	17.8
230	43	210	16.7
235	41.6	205	15.7
240	40.1	199	14.8
245	38.6	193	13.9
250	37	186	13.0
255	35.4	179	12.2
260	33.7	172	11.4
265	31.9	164	10.6
270	30	155	9.9
275	28	146	9.1
280	25.9	136	8.4
285	23.5	124	7.8
290	20.9	112	7.0
295	18	97	6.2
312 ft Main boom, Load fall point Boom, HPT head (2821-1)			
31	86	318	165.4
35	85.3	318	165.4
40	84.4	317	164.2
45	83.5	317	162.8
50	82.5	316	160.1
55	81.6	315	152.9
60	80.7	314	146.7
65	79.7	313	141.7
70	78.8	312	132.9
75	77.9	311	121.5
80	76.9	310	111.1
85	76	309	101.7
90	75	308	93.5
95	74.1	306	86.3
100	73.1	304	79.9
105	72.1	303	74.2
110	71.2	301	69.0
115	70.2	299	64.4
120	69.2	297	60.2
125	68.2	295	56.3
130	67.2	293	52.8
135	66.2	291	49.6
140	65.2	289	46.6
145	64.2	286	43.8
150	63.1	284	41.2
155	62.1	281	38.9
160	61	278	36.6
165	60	275	34.5
170	58.9	272	32.6
175	58	270	30.9
180	56.9	266	29.2
185	55.8	263	27.6
190	54.7	260	26.0
195	53.5	256	24.6
200	52.4	252	23.2
205	51.2	248	21.9
210	50	244	20.6
215	48.8	239	19.4
220	47.5	235	18.3
225	46.3	230	17.2

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
312 ft Main boom, Load fall point Boom, HPT head (2821-1)			
230	45	225	16.2
235	43.6	220	15.2
240	42.3	214	14.3
245	40.8	208	13.4
250	39.4	202	12.5
255	37.9	196	11.7
260	36.4	189	10.9
265	34.7	182	10.1
270	33.1	174	9.4
275	31.3	166	8.6
280	29.4	157	7.9
285	27.5	148	7.2
290	25.4	137	6.3
295	23	126	5.5
300	20.5	113	4.8
305	17.6	98	4.0
322 ft Main boom, Load fall point Boom, HPT head (2821-1)			
32	86	328	155.5
35	85.5	328	155.5
40	84.6	327	154.6
45	83.7	327	153.1
50	82.8	326	152.0
55	81.9	325	146.1
60	81	324	140.7
65	80.1	323	136.1
70	79.1	322	131.2
75	78.2	321	119.9
80	77.3	320	110.1
85	76.4	319	101.2
90	75.5	318	93.0
95	74.6	316	85.8
100	73.6	315	79.4
105	72.7	313	73.6
110	71.8	312	68.5
115	70.8	310	63.8
120	69.9	308	59.6
125	68.9	306	55.8
130	67.9	304	52.2
135	67	302	49.0
140	66	300	46.0
145	65	297	43.2
150	64	295	40.7
155	63	292	38.3
160	62	290	36.0
165	61	287	34.0
170	59.9	284	32.0
175	59.1	281	30.3
180	58.1	278	28.6
185	57	275	27.0
190	55.9	272	25.4
195	54.8	268	24.0
200	53.7	264	22.6
205	52.6	260	21.3
210	51.5	256	20.0
215	50.3	252	18.8
220	49.1	248	17.7
225	47.9	244	16.6
230	46.7	239	15.6

Load capacities main boom

Version: 9839979/59979/
Degree rating: 360 °
Foot print: 2-wide track
Counterweight [1000 lbs]: 273.4
Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
322 ft Main boom, Load fall point Boom, HPT head (2821-1)			
235	45.5	234	14.6
240	44.2	229	13.7
245	42.9	223	12.8
250	41.5	218	11.9
255	40.1	212	11.1
260	38.7	206	10.3
265	37.2	199	9.5
270	35.7	192	8.8
275	34.1	185	8.0
280	32.5	177	7.1
285	30.7	168	6.3
290	28.9	160	5.5
295	27	150	4.7
300	24.9	139	3.9
305	22.6	127	3.1
310	20.1	114	2.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 251.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
66 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	71.6	68	393.9
35	66.8	66	334.7
40	61.9	63	290.3
45	56.6	60	245.9
50	50.9	56	211.8
55	44.7	51	185.5
60	37.5	44	164.6
65	28.7	36	147.4
66 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	81.7	74	79.4
30	77.3	72	79.4
35	72.8	70	79.4
40	68	67	79.4
45	63.1	64	79.4
50	57.9	60	79.4
55	52.2	55	79.4
60	45.8	50	79.4
65	38.4	42	79.4
70	28.7	32	79.4
76 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	77.9	80	66.4
30	74.1	79	393.8
35	70.1	77	334.7
40	65.9	75	290.3
45	61.5	72	246.3
50	57	69	212.3
55	52.1	65	186.0
60	46.9	60	165.1
65	41.1	54	148.1
70	34.5	47	134.0
75	26.2	37	121.9
76 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	82.7	84	79.4
30	78.9	82	79.4
35	75.1	80	79.4
40	71.1	78	79.4
45	66.9	75	79.4
50	62.6	72	79.4
55	58.1	68	79.4
60	53.2	64	79.4
65	47.9	59	79.4
70	42	52	79.4
75	35	44	79.4
80	25.8	33	79.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
85 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	79.5	91	475.7
30	76	89	393.1
35	72.5	88	334.0
40	68.9	86	289.6
45	65.1	83	246.3
50	61.3	80	212.2
55	57.3	77	185.9
60	53.1	73	165.1
65	48.5	69	148.1
70	43.7	64	134.0
75	38.3	57	122.1
80	32	49	111.8
85	24.2	39	102.9
85 ft Main boom, Load fall point Boom, HPT head (2821-2)			
21	86	94	79.4
25	83.6	94	79.4
30	80.2	92	79.4
35	76.8	91	79.4
40	73.3	89	79.4
45	69.8	86	79.4
50	66.1	84	79.4
55	62.3	81	79.4
60	58.3	77	79.4
65	54	73	79.4
70	49.5	68	79.4
75	44.5	62	79.4
80	38.9	55	79.4
85	32.3	46	79.4
90	23.4	34	79.4
95 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	80.6	101	473.9
30	77.5	100	393.2
35	74.4	98	334.2
40	71.2	96	289.8
45	67.9	94	246.6
50	64.6	92	212.5
55	61.1	89	186.3
60	57.5	86	165.4
65	53.8	82	148.5
70	49.8	78	134.4
75	45.6	73	122.5
80	41	67	112.4
85	35.9	60	103.5
90	29.9	52	95.8
95	22.5	40	88.9

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
95 ft Main boom, Load fall point Boom, HPT head (2821-2)			
22	86	104	79.4
25	84.2	104	79.4
30	81.2	102	79.4
35	78.2	101	79.4
40	75.1	99	79.4
45	72	97	79.4
50	68.7	95	79.4
55	65.4	92	79.4
60	62	89	79.4
65	58.4	86	79.4
70	54.6	82	79.4
75	50.6	77	79.4
80	46.3	71	79.4
85	41.6	65	79.4
90	36.3	58	79.4
95	30	48	79.4
100	21.5	34	78.2
105 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	81.5	111	470.7
30	78.7	110	392.4
35	75.9	108	333.3
40	73	107	289.0
45	70.1	105	246.5
50	67.1	103	212.3
55	64.1	100	186.0
60	60.9	97	165.2
65	57.7	94	148.2
70	54.3	90	134.1
75	50.8	86	122.3
80	47	82	112.1
85	43	76	103.3
90	38.7	70	95.6
95	33.8	63	88.8
100	28.2	54	82.8
105	22.7	44	33.4
105 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	114	79.4
25	84.8	114	79.4
30	82.1	113	79.4
35	79.3	111	79.4
40	76.5	110	79.4
45	73.7	108	79.4
50	70.8	106	79.4
55	67.9	103	79.4
60	64.9	101	79.4
65	61.7	98	79.4
70	58.5	94	79.4
75	55.1	90	79.4
80	51.5	86	79.4
85	47.8	81	79.4
90	43.7	75	79.4
95	39.2	68	79.4
100	34.1	60	78.4
105	28.1	50	72.8
110	19.8	35	67.6

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 251.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
115 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	82.2	121	468.3
30	79.7	120	391.9
35	77.1	118	332.8
40	74.5	117	288.5
45	71.9	115	246.3
50	69.2	113	212.2
55	66.5	111	185.9
60	63.7	109	165.0
65	60.8	106	148.1
70	57.9	103	134.0
75	54.8	99	122.1
80	51.6	95	112.0
85	48.2	90	103.2
90	44.7	85	95.5
95	40.9	80	88.8
100	36.7	73	82.8
105	32	65	77.4
110	26.6	55	72.5
115	21.4	46	33.4
115 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	124	79.4
25	85.2	124	79.4
30	82.7	123	79.4
35	80.2	122	79.4
40	77.7	120	79.4
45	75.1	118	79.4
50	72.5	116	79.4
55	69.9	114	79.4
60	67.2	112	79.4
65	64.4	109	79.4
70	61.5	106	79.4
75	58.6	103	79.4
80	55.5	99	79.4
85	52.3	94	79.4
90	48.9	90	79.4
95	45.3	84	79.4
100	41.4	78	78.4
105	37.1	70	72.9
110	32.2	62	67.9
115	26.2	51	63.3
120	18.4	35	59.1

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
125 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	85.2	131	570.6
25	82.9	131	466.0
30	80.5	130	391.0
35	78.2	129	331.9
40	75.8	127	287.6
45	73.4	126	246.1
50	70.9	124	211.9
55	68.5	122	185.6
60	65.9	120	164.7
65	63.4	117	147.7
70	60.7	114	133.6
75	58	111	121.7
80	55.2	108	111.6
85	52.3	104	102.8
90	49.2	99	95.1
95	46	94	88.4
100	42.6	89	82.4
105	39	83	77.0
110	35	76	72.2
115	30.5	67	67.8
120	25.3	57	63.7
125	20.2	47	33.4
125 ft Main boom, Load fall point Boom, HPT head (2821-2)			
24	86	134	79.4
25	85.6	134	79.4
30	83.3	133	79.4
35	81	132	79.4
40	78.7	130	79.4
45	76.3	129	79.4
50	74	127	79.4
55	71.5	125	79.4
60	69.1	123	79.4
65	66.6	120	79.4
70	64	118	79.4
75	61.4	114	79.4
80	58.6	111	79.4
85	55.8	107	79.4
90	52.9	103	79.4
95	49.8	98	79.4
100	46.6	93	78.1
105	43.1	87	72.6
110	39.4	81	67.7
115	35.3	73	63.2
120	30.6	64	59.1
125	24.7	52	55.2
130	19.1	40	33.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
134 ft Main boom, Load fall point Boom, HPT head (2821-1)			
19	86	141	553.0
20	85.5	141	553.0
25	83.4	141	462.9
30	81.2	140	388.6
35	79	139	331.8
40	76.9	138	287.4
45	74.6	136	246.0
50	72.4	134	211.8
55	70.1	133	185.5
60	67.8	130	164.6
65	65.5	128	147.6
70	63.1	126	133.5
75	60.6	123	121.7
80	58.1	120	111.5
85	55.5	116	102.8
90	52.8	112	95.1
95	50	108	88.4
100	47.1	103	82.4
105	44	98	77.0
110	40.8	92	72.2
115	37.3	86	67.8
120	33.4	78	63.8
125	29.1	70	60.2
130	24.1	59	56.8
134 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	144	79.4
25	85.9	143	79.4
30	83.8	143	79.4
35	81.7	142	79.4
40	79.5	140	79.4
45	77.4	139	79.4
50	75.2	137	79.4
55	72.9	136	79.4
60	70.7	134	79.4
65	68.4	131	79.4
70	66.1	129	79.4
75	63.7	126	79.4
80	61.2	123	79.4
85	58.7	120	79.4
90	56.1	116	79.4
95	53.4	112	79.4
100	50.6	107	78.1
105	47.7	102	72.6
110	44.6	97	67.7
115	41.2	90	63.3
120	37.6	83	59.2
125	33.5	75	55.4
130	29	65	52.0
135	23.6	54	48.8
140	18	40	33.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 251.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
144 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	86	151	66.4
20	85.8	151	526.6
25	83.8	150	456.1
30	81.8	150	386.3
35	79.8	149	330.8
40	77.8	148	286.5
45	75.7	146	245.8
50	73.6	145	211.5
55	71.5	143	185.2
60	69.4	141	164.2
65	67.3	139	147.2
70	65.1	137	133.1
75	62.8	134	121.2
80	60.5	131	111.1
85	58.2	128	102.3
90	55.8	125	94.7
95	53.3	121	87.9
100	50.7	117	81.9
105	48.1	112	76.6
110	45.3	107	71.7
115	42.3	102	67.4
120	39.2	96	63.4
125	35.8	89	59.8
130	32.1	81	56.4
135	27.9	72	53.3
140	23	60	50.5
144 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	153	79.4
30	84.2	153	79.4
35	82.2	152	79.4
40	80.2	151	79.4
45	78.2	149	79.4
50	76.2	148	79.4
55	74.1	146	79.4
60	72.1	144	79.4
65	70	142	79.4
70	67.8	140	79.4
75	65.6	137	79.4
80	63.4	134	79.4
85	61.1	131	79.4
90	58.8	128	79.4
95	56.4	124	79.4
100	53.9	120	77.7
105	51.3	116	72.2
110	48.6	111	67.3
115	45.7	106	62.9
120	42.7	100	58.8
125	39.5	93	55.1
130	36	86	51.7
135	32.1	77	48.5
140	27.7	67	45.6
145	22.3	54	42.8
150	16.9	41	33.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
154 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	86	161	66.4
25	84.2	160	451.7
30	82.4	160	384.4
35	80.5	159	330.2
40	78.6	158	285.9
45	76.7	157	245.5
50	74.7	155	211.3
55	72.8	154	184.9
60	70.8	152	163.9
65	68.8	150	146.9
70	66.8	148	132.8
75	64.7	145	120.9
80	62.6	142	110.8
85	60.5	140	102.0
90	58.3	136	94.3
95	56	133	87.6
100	53.7	129	81.6
105	51.3	125	76.2
110	48.9	121	71.4
115	46.3	116	67.1
120	43.6	111	63.1
125	40.7	105	59.5
130	37.7	99	56.1
135	34.4	91	53.1
140	30.8	83	50.2
145	26.8	73	47.6
150	22	62	45.1
154 ft Main boom, Load fall point Boom, HPT head (2821-2)			
26	86	163	79.4
30	84.6	163	79.4
35	82.7	162	79.4
40	80.9	161	79.4
45	79	159	79.4
50	77.1	158	79.4
55	75.2	156	79.4
60	73.2	155	79.4
65	71.3	153	79.4
70	69.3	151	79.4
75	67.3	148	79.4
80	65.2	146	79.4
85	63.1	143	79.4
90	61	140	79.4
95	58.8	136	79.4
100	56.6	133	77.4
105	54.2	129	71.9
110	51.8	125	67.0
115	49.3	120	62.6
120	46.7	115	58.6
125	44	109	54.9
130	41.1	103	51.5
135	37.9	96	48.3
140	34.6	88	45.4
145	30.8	79	42.7
150	26.6	69	40.2
155	21.4	56	37.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
164 ft Main boom, Load fall point Boom, HPT head (2821-1)			
21	86	171	475.6
25	84.6	170	446.9
30	82.8	170	382.5
35	81	169	328.2
40	79.3	168	285.0
45	77.5	167	245.3
50	75.7	165	210.9
55	73.8	164	184.5
60	72	162	163.5
65	70.1	160	146.5
70	68.3	158	132.4
75	66.3	156	120.5
80	64.4	154	110.3
85	62.4	151	101.5
90	60.4	148	93.8
95	58.4	145	87.1
100	56.2	142	81.1
105	54.1	138	75.7
110	51.9	134	70.9
115	49.6	130	66.6
120	47.2	125	62.6
125	44.7	120	59.0
130	42.1	114	55.7
135	39.3	108	52.6
140	36.4	102	49.8
145	33.2	94	47.1
150	29.7	85	44.7
155	25.8	75	42.4
160	21.1	63	40.2
164 ft Main boom, Load fall point Boom, HPT head (2821-2)			
27	86	173	79.4
30	84.9	172	79.4
35	83.2	172	79.4
40	81.4	171	79.4
45	79.6	170	79.4
50	77.9	168	79.4
55	76.1	167	79.4
60	74.3	165	79.4
65	72.5	163	79.4
70	70.6	161	79.4
75	68.7	159	79.4
80	66.8	157	79.4
85	64.9	154	79.4
90	62.9	151	79.4
95	60.9	148	79.4
100	58.8	145	76.9
105	56.7	141	71.5
110	54.6	138	66.6
115	52.3	133	62.1
120	50	129	58.1
125	47.6	124	54.4
130	45.1	118	51.0
135	42.4	113	47.9
140	39.6	106	45.0
145	36.6	99	42.3
150	33.3	91	39.8
155	29.7	82	37.5
160	25.4	70	35.2
165	21.7	60	33.3

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 251.3
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
174 ft Main boom, Load fall point Boom, HPT head (2821-1)			
22	86	181	448.5
25	84.9	180	438.3
30	83.2	180	377.6
35	81.6	179	326.0
40	79.9	178	284.7
45	78.2	177	245.1
50	76.5	176	210.7
55	74.8	174	184.3
60	73.1	173	163.3
65	71.3	171	146.3
70	69.6	169	132.1
75	67.8	167	120.2
80	66	165	110.1
85	64.1	162	101.3
90	62.3	160	93.6
95	60.4	157	86.8
100	58.4	154	80.9
105	56.4	150	75.5
110	54.4	146	70.7
115	52.3	143	66.3
120	50.2	138	62.4
125	47.9	134	58.8
130	45.6	129	55.5
135	43.2	124	52.4
140	40.7	118	49.6
145	38	111	47.0
150	35.2	104	44.5
155	32.1	96	42.3
160	28.7	88	40.1
165	24.9	77	38.1
170	20.3	64	36.2
174 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	183	79.4
30	85.2	182	79.4
35	83.5	182	79.4
40	81.9	181	79.4
45	80.2	180	79.4
50	78.6	178	79.4
55	76.9	177	79.4
60	75.2	176	79.4
65	73.5	174	79.4
70	71.7	172	79.4
75	70	170	79.4
80	68.2	168	79.4
85	66.4	165	79.4
90	64.6	163	79.4
95	62.7	160	79.1
100	60.8	157	76.7
105	58.9	154	71.3
110	56.9	150	66.4
115	54.9	146	61.9
120	52.8	142	57.9
125	50.6	138	54.2
130	48.3	133	50.8
135	46	128	47.7
140	43.6	122	44.9
145	41	116	42.2
150	38.2	109	39.7
155	35.4	102	37.4
160	32.1	93	35.2
165	29.5	86	33.3
170	25.5	75	31.4
175	20.8	61	29.5

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
184 ft Main boom, Load fall point Boom, HPT head (2821-1)			
22	86	190	419.7
25	85.2	190	419.7
30	83.6	190	368.6
35	82	189	323.8
40	80.4	188	283.7
45	78.8	187	244.8
50	77.2	186	210.4
55	75.6	184	183.9
60	74	183	162.9
65	72.4	181	145.8
70	70.7	180	131.7
75	69	178	119.8
80	67.3	176	109.6
85	65.6	173	100.8
90	63.9	171	93.1
95	62.1	168	86.4
100	60.3	165	80.4
105	58.5	162	75.0
110	56.6	159	70.2
115	54.7	155	65.8
120	52.7	151	61.9
125	50.7	147	58.2
130	48.6	143	54.9
135	46.5	138	51.9
140	44.2	133	49.1
145	41.9	127	46.5
150	39.4	121	44.0
155	36.8	114	41.8
160	34.1	107	39.7
165	31.1	99	37.7
170	27.8	90	35.8
175	24	79	34.0
180	20.6	68	32.5
184 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	193	79.4
30	85.4	192	79.4
35	83.9	192	79.4
40	82.3	191	79.4
45	80.8	190	79.4
50	79.2	189	79.4
55	77.6	187	79.4
60	76	186	79.4
65	74.4	184	79.4
70	72.8	182	79.4
75	71.1	180	79.4
80	69.4	178	79.4
85	67.8	176	79.4
90	66.1	174	79.4
95	64.3	171	79.4
100	62.5	168	76.3
105	60.8	165	70.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
184 ft Main boom, Load fall point Boom, HPT head (2821-2)			
110	58.9	162	65.9
115	57.1	158	61.5
120	55.1	155	57.4
125	53.1	151	53.7
130	51.1	146	50.4
135	49	142	47.3
140	46.8	137	44.4
145	44.6	131	41.7
150	42.2	125	39.2
155	39.7	119	36.9
160	37.1	112	34.8
165	34.9	106	32.9
170	31.8	98	31.0
175	28.5	88	29.2
180	24.6	76	27.4
185	20	62	25.7
194 ft Main boom, Load fall point Boom, HPT head (2821-1)			
23	86	200	392.7
25	85.4	200	392.7
30	83.9	200	358.4
35	82.4	199	321.6
40	80.9	198	281.4
45	79.4	197	244.5
50	77.9	196	210.1
55	76.4	195	183.6
60	74.8	193	162.5
65	73.3	192	145.5
70	71.7	190	131.3
75	70.2	188	119.4
80	68.6	186	109.2
85	66.9	184	100.4
90	65.3	182	92.7
95	63.7	179	85.9
100	62	176	79.9
105	60.3	174	74.6
110	58.5	170	69.7
115	56.8	167	65.4
120	54.9	164	61.4
125	53.1	160	57.8
130	51.2	156	54.5
135	49.2	151	51.5
140	47.2	147	48.7
145	45.1	142	46.0
150	42.9	136	43.6
155	40.7	131	41.4
160	38.3	124	39.3
165	35.7	117	37.3
170	33	110	35.4
175	30.1	101	33.7
180	27.6	94	32.2
185	24.1	83	30.6
190	19.9	70	29.1

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 251.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
194 ft Main boom, Load fall point Boom, HPT head (2821-2)			
29	86	202	79.4
30	85.7	202	79.4
35	84.2	202	79.4
40	82.7	201	79.4
45	81.2	200	79.4
50	79.7	199	79.4
55	78.2	198	79.4
60	76.7	196	79.4
65	75.2	195	79.4
70	73.7	193	79.4
75	72.1	191	79.4
80	70.5	189	79.4
85	69	187	79.4
90	67.4	185	79.4
95	65.7	182	79.4
100	64.1	180	75.9
105	62.4	177	70.4
110	60.7	174	65.5
115	59	170	61.1
120	57.2	167	57.0
125	55.4	163	53.4
130	53.5	159	50.0
135	51.6	155	46.9
140	49.6	150	44.0
145	47.6	146	41.3
150	45.4	140	38.9
155	43.3	135	36.6
160	40.9	129	34.4
165	39.1	124	32.6
170	36.5	116	30.7
175	33.8	108	28.9
180	30.8	100	27.1
185	27.5	90	25.5
190	23.8	78	24.0
195	19.2	63	22.5
203 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	210	363.6
25	85.6	210	363.6
30	84.2	209	344.3
35	82.8	209	319.1
40	81.4	208	278.6
45	79.9	207	244.2
50	78.5	206	209.7
55	77	205	183.2
60	75.6	204	162.1
65	74.1	202	145.0
70	72.6	200	130.8
75	71.2	199	118.9
80	69.7	197	108.7
85	68.1	195	99.9
90	66.6	192	92.2
95	65	190	85.4
100	63.5	188	79.4
105	61.9	185	74.0
110	60.2	182	69.2
115	58.6	179	64.8
120	56.9	176	60.9

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
203 ft Main boom, Load fall point Boom, HPT head (2821-1)			
125	55.2	172	57.3
130	53.4	168	54.0
135	51.6	164	50.9
140	49.8	160	48.1
145	47.9	156	45.5
150	45.9	151	43.1
155	43.8	146	40.8
160	41.7	140	38.7
165	39.5	134	36.7
170	37.2	127	34.9
175	35.3	122	33.3
180	32.7	114	31.6
185	29.9	105	30.1
190	26.8	96	28.6
195	23.3	84	27.2
200	19.2	71	25.8
203 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	86	212	79.4
30	85.9	212	79.4
35	84.5	212	79.4
40	83.1	211	79.4
45	81.7	210	79.4
50	80.2	209	79.4
55	78.8	208	79.4
60	77.4	206	79.4
65	75.9	205	79.4
70	74.5	203	79.4
75	73	202	79.4
80	71.5	200	79.4
85	70	198	79.4
90	68.5	196	79.4
95	67	193	79.4
100	65.4	191	75.4
105	63.9	188	69.9
110	62.3	185	65.0
115	60.6	182	60.6
120	59	179	56.5
125	57.3	176	52.9
130	55.6	172	49.5
135	53.8	168	46.4
140	52	164	43.5
145	50.1	159	40.8
150	48.2	155	38.4
155	46.2	149	36.0
160	44.1	144	33.9
165	42.5	140	32.1
170	40.3	133	30.2
175	37.9	126	28.4
180	35.5	119	26.7
185	32.8	111	25.1
190	29.9	102	23.5
195	26.7	91	22.1
200	23	79	20.7
205	18.5	64	19.3

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
213 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	220	66.4
25	85.8	220	337.2
30	84.5	219	328.2
35	83.1	219	310.4
40	81.8	218	276.3
45	80.4	217	243.1
50	79	216	209.4
55	77.7	215	182.9
60	76.3	214	161.8
65	74.9	212	144.7
70	73.5	211	130.5
75	72.1	209	118.6
80	70.6	207	108.4
85	69.2	205	99.5
90	67.7	203	91.9
95	66.3	201	85.1
100	64.8	199	79.1
105	63.3	196	73.7
110	61.7	193	68.9
115	60.2	190	64.5
120	58.6	187	60.6
125	57	184	56.9
130	55.4	181	53.6
135	53.7	177	50.6
140	52	173	47.8
145	50.2	169	45.2
150	48.4	164	42.8
155	46.6	160	40.5
160	44.7	155	38.4
165	42.7	149	36.4
170	40.6	143	34.6
175	38.9	138	33.0
180	36.7	132	31.4
185	34.3	124	29.8
190	31.8	116	28.3
195	29	108	26.9
200	26	98	25.6
205	22.6	86	24.3
210	18.6	72	23.1
213 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	86	222	79.4
35	84.7	221	79.4
40	83.4	221	79.4
45	82	220	79.4
50	80.7	219	79.4
55	79.3	218	79.4
60	78	216	79.4
65	76.6	215	79.4
70	75.2	214	79.4
75	73.8	212	79.4
80	72.4	210	79.4
85	71	208	79.4
90	69.6	206	79.4
95	68.1	204	79.4
100	66.6	202	75.1
105	65.2	199	69.6
110	63.7	197	64.7
115	62.1	194	60.3
120	60.6	191	56.2
125	59	188	52.6
130	57.4	184	49.2
135	55.8	180	46.1

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 251.3
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
213 ft Main boom, Load fall point Boom, HPT head (2821-2)			
140	54.1	176	43.2
145	52.4	172	40.5
150	50.6	168	38.1
155	48.8	163	35.8
160	46.9	158	33.6
165	45.4	154	31.8
170	43.4	149	29.9
175	41.4	143	28.1
180	39.2	136	26.4
185	36.9	129	24.8
190	34.5	122	23.3
195	31.9	113	21.9
200	29	104	20.5
205	25.9	93	19.2
210	22.3	80	17.9
215	17.9	64	16.7
223 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	86	230	66.4
30	84.7	229	311.2
35	83.4	229	296.3
40	82.1	228	272.2
45	80.8	227	240.4
50	79.5	226	209.1
55	78.2	225	182.5
60	76.9	224	161.4
65	75.6	222	144.3
70	74.2	221	130.1
75	72.9	220	118.1
80	71.5	218	107.9
85	70.2	216	99.1
90	68.8	214	91.4
95	67.4	212	84.6
100	66	210	78.6
105	64.6	207	73.2
110	63.1	205	68.4
115	61.6	202	64.0
120	60.2	199	60.0
125	58.7	196	56.4
130	57.1	193	53.1
135	55.6	189	50.0
140	54	186	47.2
145	52.3	182	44.6
150	50.7	178	42.2
155	49	173	40.0
160	47.2	168	37.9
165	45.4	164	35.9
170	43.5	158	34.0
175	42	154	32.5
180	40	148	30.8
185	38	142	29.3
190	35.8	135	27.8
195	33.4	127	26.4
200	31	119	25.1
205	28.3	110	23.8
210	25.3	99	22.6
215	22	87	21.5
220	18	73	20.3

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
223 ft Main boom, Load fall point Boom, HPT head (2821-2)			
31	86	232	79.4
35	85	231	79.4
40	83.7	231	79.4
45	82.4	230	79.4
50	81.1	229	79.4
55	79.8	228	79.4
60	78.5	227	79.4
65	77.2	225	79.4
70	75.9	224	79.4
75	74.5	222	79.4
80	73.2	221	79.4
85	71.9	219	79.4
90	70.5	217	79.4
95	69.1	215	79.4
100	67.7	213	74.6
105	66.3	210	69.1
110	64.9	208	64.3
115	63.5	205	59.8
120	62	202	55.7
125	60.5	199	52.1
130	59	196	48.7
135	57.5	192	45.6
140	55.9	189	42.7
145	54.3	185	40.0
150	52.7	181	37.5
155	51	177	35.2
160	49.7	173	33.3
165	47.9	168	31.3
170	46.1	163	29.4
175	44.3	158	27.6
180	42.3	152	25.9
185	40.3	146	24.3
190	38.2	139	22.8
195	35.9	132	21.4
200	33.6	124	20.0
205	31	115	18.7
210	28.2	106	17.5
215	25.1	95	16.3
220	21.6	82	15.1
225	17.2	65	14.0
233 ft Main boom, Load fall point Boom, HPT head (2821-1)			
26	86	240	66.4
30	85	239	294.7
35	83.7	238	277.8
40	82.5	238	261.3
45	81.2	237	233.8
50	80	236	208.3
55	78.7	235	182.1
60	77.5	234	161.0
65	76.2	233	143.9
70	74.9	231	129.6
75	73.6	230	117.7
80	72.3	228	107.4
85	71	226	98.6
90	69.7	225	90.9
95	68.4	223	84.1
100	67.1	220	78.1
105	65.7	218	72.7
110	64.3	216	67.9
115	63	213	63.5
120	61.6	210	59.5
125	60.1	208	55.9
130	58.7	204	52.6
135	57.2	201	49.6
140	55.7	198	46.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
233 ft Main boom, Load fall point Boom, HPT head (2821-1)			
145	54.2	194	44.2
150	52.7	190	41.7
155	51.1	186	39.5
160	49.5	182	37.4
165	47.8	177	35.4
170	46.1	172	33.6
175	44.7	168	32.0
180	42.9	163	30.4
185	41	157	28.8
190	39.1	151	27.3
195	37	145	26.0
200	34.9	137	24.6
205	32.6	130	23.4
210	30.2	121	22.2
215	27.6	112	21.1
220	24.7	101	20.0
225	21.4	89	18.9
233 ft Main boom, Load fall point Boom, HPT head (2821-2)			
32	86	242	79.4
35	85.2	241	79.4
40	83.9	241	79.4
45	82.7	240	79.4
50	81.5	239	79.4
55	80.2	238	79.4
60	79	237	79.4
65	77.7	236	79.4
70	76.5	234	79.4
75	75.2	233	79.4
80	73.9	231	79.4
85	72.7	229	79.3
90	71.4	228	78.8
95	70	226	78.2
100	68.7	223	74.2
105	67.4	221	68.7
110	66.1	219	63.8
115	64.7	216	59.4
120	63.3	214	55.3
125	61.9	211	51.6
130	60.5	208	48.2
135	59	204	45.1
140	57.6	201	42.2
145	56.1	198	39.6
150	54.6	194	37.1
155	53	190	34.8
160	51.8	186	32.9
165	50.1	182	30.8
170	48.5	177	29.0
175	46.8	172	27.2
180	45	167	25.5
185	43.2	162	23.9
190	41.3	156	22.4
195	39.3	149	21.0
200	37.2	142	19.6
205	35	135	18.3
210	32.7	127	17.1
215	30.2	118	15.9
220	27.5	108	14.8
225	24.5	96	13.7
230	21	83	12.6
235	16.7	66	11.6

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 251.3
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
243 ft Main boom, Load fall point Boom, HPT head (2821-1)			
26	86	249	273.2
30	85.2	249	273.2
35	84	248	261.0
40	82.8	248	250.9
45	81.6	247	226.5
50	80.4	246	206.0
55	79.2	245	181.8
60	78	244	160.6
65	76.8	243	143.4
70	75.5	242	129.2
75	74.3	240	117.2
80	73.1	239	107.0
85	71.8	237	98.1
90	70.6	235	90.4
95	69.3	233	83.6
100	68	231	77.6
105	66.8	229	72.2
110	65.5	227	67.3
115	64.1	224	63.0
120	62.8	222	59.0
125	61.5	219	55.4
130	60.1	216	52.1
135	58.7	213	49.0
140	57.3	210	46.2
145	55.9	206	43.6
150	54.4	203	41.2
155	52.9	199	38.9
160	51.4	195	36.8
165	49.9	191	34.8
170	48.7	187	33.2
175	47	182	31.4
180	45.4	178	29.8
185	43.7	172	28.2
190	41.9	167	26.8
195	40.1	161	25.4
200	38.2	154	24.1
205	36.2	148	22.8
210	34.1	140	21.6
215	31.8	132	20.5
220	29.5	123	19.4
225	26.9	114	18.4
230	24	103	17.4
235	20.8	90	16.4
243 ft Main boom, Load fall point Boom, HPT head (2821-2)			
32	86	252	79.4
35	85.4	251	79.4
40	84.2	250	79.4
45	83	250	79.4
50	81.8	249	79.4
55	80.6	248	79.4
60	79.4	247	79.4
65	78.2	246	79.4
70	77	244	79.4
75	75.8	243	79.4
80	74.6	241	79.4
85	73.4	240	79.4
90	72.1	238	78.7
95	70.9	236	77.3
100	69.6	234	73.7
105	68.4	232	68.2
110	67.1	230	63.3
115	65.8	227	58.9
120	64.5	225	54.8
125	63.2	222	51.1
130	61.8	219	47.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
243 ft Main boom, Load fall point Boom, HPT head (2821-2)			
135	60.5	216	44.6
140	59.1	213	41.7
145	57.7	210	39.0
150	56.2	206	36.6
155	54.8	202	34.3
160	53.6	199	32.3
165	52.1	195	30.3
170	50.5	191	28.4
175	49	186	26.6
180	47.3	181	25.0
185	45.7	176	23.4
190	43.9	171	21.9
195	42.2	165	20.4
200	40.3	159	19.1
205	38.4	152	17.8
210	36.3	145	16.6
215	34.2	137	15.4
220	31.9	129	14.3
225	29.5	120	13.2
230	26.8	109	12.2
235	23.8	98	11.2
240	20.4	84	10.2
245	16.1	66	9.2
253 ft Main boom, Load fall point Boom, HPT head (2821-1)			
27	86	259	257.6
30	85.3	259	257.6
35	84.2	258	252.9
40	83.1	258	247.8
45	81.9	257	227.8
50	80.8	256	203.8
55	79.6	255	180.9
60	78.5	254	160.3
65	77.3	253	143.1
70	76.1	252	128.8
75	74.9	250	116.8
80	73.8	249	106.6
85	72.6	247	97.7
90	71.4	246	90.0
95	70.2	244	83.2
100	68.9	242	77.2
105	67.7	240	71.8
110	66.5	238	67.0
115	65.2	235	62.6
120	64	233	58.6
125	62.7	230	55.0
130	61.4	227	51.7
135	60.1	224	48.6
140	58.7	221	45.8
145	57.4	218	43.2
150	56	215	40.8
155	54.6	211	38.5
160	53.2	207	36.4
165	51.8	203	34.5

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
253 ft Main boom, Load fall point Boom, HPT head (2821-1)			
170	50.6	200	32.8
175	49.1	196	31.0
180	47.6	191	29.4
185	46	186	27.9
190	44.4	181	26.4
195	42.7	176	25.0
200	41	170	23.7
205	39.2	164	22.5
210	37.3	157	21.3
215	35.3	150	20.2
220	33.3	143	19.1
225	31.1	135	18.0
230	28.8	126	17.1
235	26.2	116	16.1
240	23.4	104	15.2
245	20.3	91	14.3
253 ft Main boom, Load fall point Boom, HPT head (2821-2)			
33	86	261	79.4
35	85.5	261	79.4
40	84.4	260	79.4
45	83.3	260	79.4
50	82.1	259	79.4
55	81	258	79.4
60	79.9	257	79.4
65	78.7	256	79.4
70	77.6	254	79.4
75	76.4	253	79.4
80	75.2	252	79.4
85	74	250	79.4
90	72.9	248	79.4
95	71.7	247	77.4
100	70.5	245	73.4
105	69.2	243	67.9
110	68.1	240	63.0
115	66.8	238	58.5
120	65.6	236	54.4
125	64.3	233	50.7
130	63	230	47.3
135	61.7	228	44.2
140	60.4	225	41.3
145	59.1	221	38.7
150	57.7	218	36.2
155	56.4	214	33.9
160	55.3	212	32.0
165	53.8	208	29.9
170	52.4	204	28.1
175	50.9	199	26.3
180	49.4	195	24.6
185	47.9	190	23.0
190	46.3	185	21.5
195	44.6	180	20.1
200	42.9	174	18.8
205	41.2	168	17.5
210	39.4	162	16.3
215	37.5	155	15.1
220	35.5	148	14.0
225	33.4	140	12.9
230	31.2	131	11.9
235	28.7	122	10.9
240	26.1	111	10.0
245	23.2	99	9.0
250	19.8	85	8.1

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 251.3
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
262 ft Main boom, Load fall point Boom, HPT head (2821-1)			
28	86	269	239.9
30	85.5	269	239.9
35	84.4	268	237.6
40	83.3	268	234.0
45	82.2	267	221.9
50	81.1	266	201.4
55	80	265	178.8
60	78.9	264	159.9
65	77.8	263	142.7
70	76.7	262	128.4
75	75.5	261	116.4
80	74.4	259	106.1
85	73.2	258	97.2
90	72.1	256	89.5
95	70.9	254	82.7
100	69.8	252	76.7
105	68.6	250	71.3
110	67.4	248	66.4
115	66.2	246	62.0
120	65	244	58.1
125	63.8	241	54.4
130	62.6	239	51.1
135	61.3	236	48.1
140	60.1	233	45.2
145	58.8	230	42.6
150	57.5	227	40.2
155	56.2	223	38.0
160	54.8	220	35.9
165	53.5	216	33.9
170	52.4	213	32.2
175	51	209	30.5
180	49.5	205	28.8
185	48.1	200	27.3
190	46.6	195	25.8
195	45	190	24.4
200	43.4	185	23.1
205	41.8	179	21.9
210	40.1	173	20.7
215	38.3	167	19.6
220	36.5	160	18.5
225	34.6	153	17.5
230	32.6	145	16.5
235	30.4	137	15.5
240	28.1	128	14.6
245	25.6	117	13.8
250	22.9	106	12.9
255	19.8	92	12.1
262 ft Main boom, Load fall point Boom, HPT head (2821-2)			
34	86	271	79.4
35	85.7	271	79.4
40	84.6	270	79.4
45	83.5	270	79.4
50	82.4	269	79.4
55	81.3	268	79.4
60	80.2	267	79.4
65	79.1	266	79.4
70	78	265	79.4
75	76.9	263	79.4
80	75.8	262	79.4
85	74.7	260	79.4
90	73.5	259	79.4
95	72.4	257	78.6
100	71.2	255	72.9
105	70.1	253	67.4
110	68.9	251	62.5

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
262 ft Main boom, Load fall point Boom, HPT head (2821-2)			
115	67.7	249	58.0
120	66.6	247	53.9
125	65.3	244	50.2
130	64.1	242	46.8
135	62.9	239	43.7
140	61.6	236	40.8
145	60.4	233	38.2
150	59.1	230	35.7
155	58.1	227	33.4
160	56.8	224	31.4
165	55.4	220	29.4
170	54.1	216	27.5
175	52.7	212	25.7
180	51.3	208	24.1
185	49.8	204	22.5
190	48.3	199	21.0
195	46.8	194	19.6
200	45.3	189	18.2
205	43.7	183	16.9
210	42	178	15.7
215	40.3	172	14.6
220	38.5	165	13.5
225	36.7	158	12.4
230	34.7	150	11.4
235	32.6	142	10.4
240	30.4	133	9.5
245	28.1	124	8.6
250	25.5	113	7.7
255	22.6	100	6.8
260	19.3	86	6.0
272 ft Main boom, Load fall point Boom, HPT head (2821-1)			
28	86	279	222.0
30	85.7	279	222.0
35	84.6	278	221.2
40	83.6	278	219.0
45	82.5	277	213.6
50	81.4	276	196.1
55	80.4	275	176.8
60	79.3	274	158.4
65	78.2	273	142.2
70	77.1	272	127.9
75	76.1	271	115.9
80	75	269	105.6
85	73.9	268	96.8
90	72.8	266	89.0
95	71.7	265	82.2
100	70.5	263	76.2
105	69.4	261	70.8
110	68.3	259	65.9
115	67.1	257	61.5
120	66	255	57.6
125	64.8	252	53.9
130	63.6	250	50.6
135	62.5	247	47.6
140	61.3	244	44.7
145	60	241	42.1
150	58.8	238	39.7
155	57.6	235	37.5
160	56.3	232	35.3
165	55.3	229	33.4
170	54	225	31.7
175	52.6	222	30.0
180	51.3	218	28.3
185	49.9	213	26.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
272 ft Main boom, Load fall point Boom, HPT head (2821-1)			
190	48.5	209	25.3
195	47.1	204	23.9
200	45.6	199	22.6
205	44.1	194	21.4
210	42.5	189	20.2
215	40.9	183	19.1
220	39.3	177	18.0
225	37.5	170	17.0
230	35.7	163	16.0
235	33.9	156	15.1
240	31.9	148	14.2
245	29.8	139	13.3
250	27.5	130	12.5
255	25.1	119	11.7
260	22.4	107	10.9
265	19.3	94	10.1
272 ft Main boom, Load fall point Boom, HPT head (2821-2)			
34	86	281	79.4
35	85.9	281	79.4
40	84.8	280	79.4
45	83.8	280	79.4
50	82.7	279	79.4
55	81.7	278	79.4
60	80.6	277	79.4
65	79.5	276	79.4
70	78.5	275	79.4
75	77.4	274	79.4
80	76.3	272	79.4
85	75.2	271	79.4
90	74.1	269	79.4
95	73	268	78.6
100	71.9	266	72.4
105	70.8	264	66.9
110	69.7	262	62.0
115	68.6	260	57.5
120	67.5	258	53.5
125	66.3	255	49.8
130	65.1	253	46.4
135	64	250	43.2
140	62.8	247	40.3
145	61.6	244	37.7
150	60.3	242	35.2
155	59.4	239	33.1
160	58.1	236	31.0
165	56.9	232	28.9
170	55.6	229	27.0
175	54.3	225	25.3
180	52.9	221	23.6
185	51.6	217	22.0
190	50.2	212	20.5

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 251.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
272 ft Main boom, Load fall point Boom, HPT head (2821-2)			
195	48.8	208	19.1
200	47.3	203	17.7
205	45.9	198	16.5
210	44.3	193	15.3
215	42.8	187	14.1
220	41.1	181	13.0
225	39.5	175	11.9
230	37.7	168	10.9
235	35.9	161	10.0
240	34	153	9.0
245	31.9	145	8.1
250	29.8	136	7.3
255	27.5	126	6.4
260	24.9	114	5.6
265	22.1	102	4.6
270	18.8	87	3.6
282 ft Main boom, Load fall point Boom, HPT head (2821-1)			
29	86	289	205.3
30	85.8	289	205.3
35	84.8	288	204.8
40	83.8	288	202.9
45	82.8	287	201.1
50	81.7	286	186.8
55	80.7	285	174.7
60	79.7	284	156.5
65	78.6	283	141.4
70	77.6	282	127.5
75	76.6	281	115.4
80	75.5	280	105.2
85	74.5	278	96.3
90	73.4	277	88.5
95	72.3	275	81.7
100	71.3	273	75.7
105	70.2	272	70.2
110	69.1	270	65.4
115	68	268	61.0
120	66.9	265	57.0
125	65.8	263	53.4
130	64.6	261	50.1
135	63.5	258	47.0
140	62.4	256	44.2
145	61.2	253	41.6
150	60	250	39.1
155	58.8	247	36.9
160	57.6	244	34.8
165	56.7	241	33.0
170	55.4	238	31.1
175	54.2	234	29.4
180	52.9	230	27.7
185	51.6	226	26.2
190	50.3	222	24.7
195	48.9	218	23.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
282 ft Main boom, Load fall point Boom, HPT head (2821-1)			
200	47.5	213	22.1
205	46.1	208	20.8
210	44.7	203	19.6
215	43.2	198	18.5
220	41.7	192	17.4
225	40.1	186	16.4
230	38.5	180	15.4
235	36.8	173	14.5
240	35	166	13.6
245	33.2	158	12.7
250	31.2	150	11.9
255	29.1	141	11.1
260	26.9	132	10.3
265	24.5	121	9.6
270	21.9	109	8.9
275	18.8	95	8.2
282 ft Main boom, Load fall point Boom, HPT head (2821-2)			
35	86	291	79.4
40	85	290	79.4
45	84	290	79.4
50	83	289	79.4
55	81.9	288	79.4
60	80.9	287	79.4
65	79.9	286	79.4
70	78.9	285	79.4
75	77.8	284	79.4
80	76.8	282	79.4
85	75.8	281	79.4
90	74.7	280	79.4
95	73.6	278	78.1
100	72.6	276	71.9
105	71.5	274	66.4
110	70.5	272	61.5
115	69.4	270	57.0
120	68.3	268	53.0
125	67.2	266	49.2
130	66.1	264	45.8
135	64.9	261	42.7
140	63.8	259	39.8
145	62.7	256	37.1
150	61.5	253	34.7
155	60.6	251	32.6
160	59.4	248	30.4
165	58.2	244	28.4
170	57	241	26.5
175	55.7	237	24.7
180	54.5	234	23.0
185	53.2	230	21.4
190	51.9	225	19.9
195	50.5	221	18.5
200	49.2	217	17.2
205	47.8	212	15.9
210	46.4	207	14.7
215	44.9	202	13.5
220	43.4	196	12.4
225	41.9	190	11.4
230	40.3	184	10.4
235	38.7	178	9.4
240	36.9	171	8.5
245	35.1	163	7.6
250	33.3	156	6.7
255	31.3	147	5.9
260	29.1	138	4.8
265	26.9	127	3.8
270	24.3	116	2.9

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
292 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	86	298	66.4
30	86	298	191.3
35	85	298	191.3
40	84	297	189.5
45	83	297	188.2
50	82	296	178.8
55	81	295	168.1
60	80	294	154.8
65	79	293	139.8
70	78	292	127.0
75	77	291	115.0
80	76	290	104.7
85	75	288	95.9
90	74	287	88.1
95	72.9	285	81.3
100	71.9	284	75.2
105	70.9	282	69.8
110	69.8	280	65.0
115	68.8	278	60.6
120	67.7	276	56.6
125	66.6	274	53.0
130	65.6	272	49.6
135	64.5	269	46.6
140	63.4	267	43.7
145	62.3	264	41.1
150	61.1	261	38.7
155	60	258	36.4
160	58.8	255	34.3
165	57.9	253	32.6
170	56.8	250	30.7
175	55.6	246	29.0
180	54.4	242	27.3
185	53.1	239	25.8
190	51.9	235	24.3
195	50.6	231	22.9
200	49.3	226	21.6
205	48	222	20.4
210	46.6	217	19.2
215	45.3	212	18.1
220	43.8	207	17.0
225	42.4	201	16.0
230	40.9	196	15.0
235	39.3	190	14.1
240	37.7	183	13.2
245	36.1	176	12.3
250	34.3	169	11.5
255	32.5	161	10.7
260	30.6	153	9.9
265	28.6	144	9.2
270	26.4	134	8.5
275	24	123	7.8
280	21.4	110	7.1
285	18.4	96	6.5

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 251.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
302 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	86	308	66.4
35	85.2	308	177.3
40	84.2	307	176.4
45	83.2	307	175.5
50	82.3	306	170.4
55	81.3	305	161.3
60	80.4	304	152.9
65	79.4	303	138.0
70	78.4	302	125.4
75	77.5	301	114.5
80	76.5	300	104.3
85	75.5	299	95.4
90	74.5	297	87.6
95	73.5	296	80.8
100	72.5	294	74.7
105	71.5	292	69.3
110	70.5	291	64.4
115	69.5	289	60.0
120	68.5	287	56.0
125	67.4	285	52.4
130	66.4	282	49.1
135	65.4	280	46.0
140	64.3	278	43.2
145	63.2	275	40.6
150	62.2	272	38.1
155	61.1	270	35.9
160	60	267	33.8
165	59.1	264	32.0
170	58	261	30.1
175	56.9	258	28.4
180	55.7	255	26.7
185	54.5	251	25.2
190	53.3	247	23.7
195	52.1	243	22.4
200	50.9	239	21.1
205	49.7	235	19.8
210	48.4	230	18.6
215	47.1	226	17.5
220	45.8	221	16.4
225	44.4	216	15.4
230	43	210	14.4
235	41.6	205	13.5
240	40.1	199	12.6
245	38.6	193	11.7
250	37	186	10.9
255	35.4	179	10.1
260	33.7	172	9.4
265	31.9	164	8.6
270	30	155	7.9
275	28	146	7.2
280	25.9	136	6.6
285	23.5	124	5.9
290	20.9	112	5.3
295	18	97	4.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
312 ft Main boom, Load fall point Boom, HPT head (2821-1)			
31	86	318	165.4
35	85.3	318	165.4
40	84.4	317	164.2
45	83.5	317	162.8
50	82.5	316	160.1
55	81.6	315	152.9
60	80.7	314	146.7
65	79.7	313	136.3
70	78.8	312	123.8
75	77.9	311	113.0
80	76.9	310	103.7
85	76	309	94.9
90	75	308	87.1
95	74.1	306	80.3
100	73.1	304	74.2
105	72.1	303	68.8
110	71.2	301	63.9
115	70.2	299	59.5
120	69.2	297	55.5
125	68.2	295	51.9
130	67.2	293	48.6
135	66.2	291	45.5
140	65.2	289	42.7
145	64.2	286	40.0
150	63.1	284	37.6
155	62.1	281	35.4
160	61	278	33.2
165	60.2	276	31.5
170	59.1	273	29.6
175	58	270	27.9
180	56.9	266	26.2
185	55.8	263	24.7
190	54.7	260	23.2
195	53.5	256	21.8
200	52.4	252	20.5
205	51.2	248	19.3
210	50	244	18.1
215	48.8	239	17.0
220	47.5	235	15.9
225	46.3	230	14.9
230	45	225	13.9
235	43.6	220	13.0
240	42.3	214	12.1
245	40.8	208	11.2
250	39.4	202	10.4
255	37.9	196	9.6
260	36.4	189	8.9
265	34.7	182	8.1
270	33.1	174	7.4
275	31.3	166	6.7
280	29.4	157	6.1
285	27.5	148	5.4
290	25.4	137	4.8
295	23	126	4.1
300	20.5	113	3.3
305	17.6	98	2.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
322 ft Main boom, Load fall point Boom, HPT head (2821-1)			
32	86	328	155.5
35	85.5	328	155.5
40	84.6	327	154.6
45	83.7	327	153.1
50	82.8	326	152.0
55	81.9	325	146.1
60	81	324	140.7
65	80.1	323	134.6
70	79.1	322	122.2
75	78.2	321	111.5
80	77.3	320	102.2
85	76.4	319	94.0
90	75.5	318	86.6
95	74.6	316	79.8
100	73.6	315	73.7
105	72.7	313	68.3
110	71.8	312	63.4
115	70.8	310	59.0
120	69.9	308	55.0
125	68.9	306	51.3
130	67.9	304	48.0
135	67	302	44.9
140	66	300	42.1
145	65	297	39.5
150	64	295	37.0
155	63	292	34.8
160	62	290	32.7
165	61.2	287	30.9
170	60.2	284	29.0
175	59.1	281	27.3
180	58.1	278	25.6
185	57	275	24.1
190	55.9	272	22.6
195	54.8	268	21.2
200	53.7	264	19.9
205	52.6	260	18.7
210	51.5	256	17.5
215	50.3	252	16.4
220	49.1	248	15.3
225	47.9	244	14.3
230	46.7	239	13.3
235	45.5	234	12.4
240	44.2	229	11.5
245	42.9	223	10.6
250	41.5	218	9.8
255	40.1	212	9.0
260	38.7	206	8.3
265	37.2	199	7.5
270	35.7	192	6.8
275	34.1	185	6.1
280	32.5	177	5.5
285	30.7	168	4.8
290	28.9	160	4.0
295	27	150	3.2
300	24.9	139	2.5

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 229.3
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
66 ft Main boom, Load fall point Boom, HPT head (2821-1)			
14	86	73	66.4
15	85.2	72	603.2
20	80.8	72	574.2
25	76.2	70	459.4
30	71.6	68	379.5
35	66.8	66	322.4
40	61.9	63	274.2
45	56.6	60	230.9
50	50.9	56	198.7
55	44.7	51	173.9
60	37.5	44	154.2
65	28.7	36	138.0
66 ft Main boom, Load fall point Boom, HPT head (2821-2)			
20	86	75	79.4
25	81.7	74	79.4
30	77.3	72	79.4
35	72.8	70	79.4
40	68	67	79.4
45	63.1	64	79.4
50	57.9	60	79.4
55	52.2	55	79.4
60	45.8	50	79.4
65	38.4	42	79.4
70	28.7	32	79.4
76 ft Main boom, Load fall point Boom, HPT head (2821-1)			
15	86	82	66.4
15	85.8	82	661.4
20	82	82	578.9
25	78.1	80	459.3
30	74.1	79	379.4
35	70.1	77	322.4
40	65.9	75	274.7
45	61.5	72	231.3
50	57	69	199.2
55	52.1	65	174.4
60	46.9	60	154.8
65	41.1	54	138.7
70	34.5	47	125.4
75	26.2	37	114.0
76 ft Main boom, Load fall point Boom, HPT head (2821-2)			
21	86	85	79.4
25	82.7	84	79.4
30	78.9	82	79.4
35	75.1	80	79.4
40	71.1	78	79.4
45	66.9	75	79.4
50	62.6	72	79.4
55	58.1	68	79.4
60	53.2	64	79.4
65	47.9	59	79.4
70	42	52	79.4
75	35	44	79.4
80	25.8	33	79.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
85 ft Main boom, Load fall point Boom, HPT head (2821-1)			
15	86	92	66.4
20	82.9	92	578.1
25	79.5	91	458.5
30	76	89	378.7
35	72.5	88	321.6
40	68.9	86	274.7
45	65.1	83	231.3
50	61.3	80	199.1
55	57.3	77	174.4
60	53.1	73	154.7
65	48.5	69	138.7
70	43.7	64	125.4
75	38.3	57	114.2
80	32	49	104.5
85	24.2	39	96.1
85 ft Main boom, Load fall point Boom, HPT head (2821-2)			
21	86	94	79.4
25	83.6	94	79.4
30	80.2	92	79.4
35	76.8	91	79.4
40	73.3	89	79.4
45	69.8	86	79.4
50	66.1	84	79.4
55	62.3	81	79.4
60	58.3	77	79.4
65	54	73	79.4
70	49.5	68	79.4
75	44.5	62	79.4
80	38.9	55	79.4
85	32.3	46	79.4
90	23.4	34	79.4
95 ft Main boom, Load fall point Boom, HPT head (2821-1)			
16	86	102	662.4
20	83.7	102	578.3
25	80.6	101	458.7
30	77.5	100	378.9
35	74.4	98	321.8
40	71.2	96	275.0
45	67.9	94	231.6
50	64.6	92	199.5
55	61.1	89	174.7
60	57.5	86	155.1
65	53.8	82	139.1
70	49.8	78	125.8
75	45.6	73	114.6
80	41	67	105.0
85	35.9	60	96.7
90	29.9	52	89.4
95	22.5	40	82.9

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
95 ft Main boom, Load fall point Boom, HPT head (2821-2)			
22	86	104	79.4
25	84.2	104	79.4
30	81.2	102	79.4
35	78.2	101	79.4
40	75.1	99	79.4
45	72	97	79.4
50	68.7	95	79.4
55	65.4	92	79.4
60	62	89	79.4
65	58.4	86	79.4
70	54.6	82	79.4
75	50.6	77	79.4
80	46.3	71	79.4
85	41.6	65	79.4
90	36.3	58	79.4
95	30	48	78.6
100	21.5	34	72.5
105 ft Main boom, Load fall point Boom, HPT head (2821-1)			
17	86	112	642.5
20	84.3	112	577.4
25	81.5	111	457.8
30	78.7	110	378.0
35	75.9	108	321.0
40	73	107	274.9
45	70.1	105	231.4
50	67.1	103	199.2
55	64.1	100	174.5
60	60.9	97	154.8
65	57.7	94	138.8
70	54.3	90	125.6
75	50.8	86	114.4
80	47	82	104.8
85	43	76	96.5
90	38.7	70	89.2
95	33.8	63	82.8
100	28.2	54	77.1
105	22.7	44	33.4
105 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	114	79.4
25	84.8	114	79.4
30	82.1	113	79.4
35	79.3	111	79.4
40	76.5	110	79.4
45	73.7	108	79.4
50	70.8	106	79.4
55	67.9	103	79.4
60	64.9	101	79.4
65	61.7	98	79.4
70	58.5	94	79.4
75	55.1	90	79.4
80	51.5	86	79.4
85	47.8	81	79.4
90	43.7	75	79.4
95	39.2	68	78.6
100	34.1	60	72.7
105	28.1	50	67.4
110	19.5	34	62.5

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 229.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
115 ft Main boom, Load fall point Boom, HPT head (2821-1)			
18	86	122	610.6
20	84.8	121	572.3
25	82.2	121	457.3
30	79.7	120	377.5
35	77.1	118	320.5
40	74.5	117	274.8
45	71.9	115	231.3
50	69.2	113	199.1
55	66.5	111	174.3
60	63.7	109	154.7
65	60.8	106	138.7
70	57.9	103	125.4
75	54.8	99	114.2
80	51.6	95	104.6
85	48.2	90	96.4
90	44.7	85	89.1
95	40.9	80	82.8
100	36.7	73	77.1
105	32	65	72.0
110	26.6	55	67.4
115	21.4	46	33.4
115 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	124	79.4
25	85.2	124	79.4
30	82.7	123	79.4
35	80.2	122	79.4
40	77.7	120	79.4
45	75.1	118	79.4
50	72.5	116	79.4
55	69.9	114	79.4
60	67.2	112	79.4
65	64.4	109	79.4
70	61.5	106	79.4
75	58.6	103	79.4
80	55.5	99	79.4
85	52.3	94	79.4
90	48.9	90	79.4
95	45.3	84	78.5
100	41.4	78	72.7
105	37.1	70	67.5
110	32.1	62	62.8
115	26.4	51	58.5
120	18.4	35	54.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
125 ft Main boom, Load fall point Boom, HPT head (2821-1)			
18	86	132	580.4
20	85.2	131	570.6
25	82.9	131	456.4
30	80.5	130	376.6
35	78.2	129	319.6
40	75.8	127	274.7
45	73.4	126	231.1
50	70.9	124	198.8
55	68.5	122	174.0
60	65.9	120	154.3
65	63.4	117	138.3
70	60.7	114	125.0
75	58	111	113.8
80	55.2	108	104.3
85	52.3	104	96.0
90	49.2	99	88.8
95	46	94	82.4
100	42.6	89	76.7
105	39	83	71.6
110	35	76	67.1
115	30.5	67	62.9
120	25.3	57	59.1
125	20.2	47	33.4
125 ft Main boom, Load fall point Boom, HPT head (2821-2)			
24	86	134	79.4
25	85.6	134	79.4
30	83.3	133	79.4
35	81	132	79.4
40	78.7	130	79.4
45	76.3	129	79.4
50	74	127	79.4
55	71.5	125	79.4
60	69.1	123	79.4
65	66.6	120	79.4
70	64	118	79.4
75	61.4	114	79.4
80	58.6	111	79.4
85	55.8	107	79.4
90	52.9	103	79.4
95	49.8	98	78.2
100	46.6	93	72.4
105	43.1	87	67.2
110	39.4	81	62.6
115	35.2	73	58.3
120	30.4	64	54.4
125	24.7	52	50.8
130	19.1	40	33.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
134 ft Main boom, Load fall point Boom, HPT head (2821-1)			
19	86	141	553.0
20	85.5	141	553.0
25	83.4	141	456.3
30	81.2	140	376.5
35	79	139	319.4
40	76.9	138	274.6
45	74.6	136	231.0
50	72.4	134	198.8
55	70.1	133	173.9
60	67.8	130	154.2
65	65.5	128	138.2
70	63.1	126	124.9
75	60.6	123	113.8
80	58.1	120	104.2
85	55.5	116	95.9
90	52.8	112	88.7
95	50	108	82.3
100	47.1	103	76.7
105	44	98	71.6
110	40.8	92	67.1
115	37.3	86	63.0
120	33.4	78	59.2
125	29.1	70	55.7
130	24.1	59	52.6
134 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	144	79.4
25	85.9	143	79.4
30	83.8	143	79.4
35	81.7	142	79.4
40	79.5	140	79.4
45	77.4	139	79.4
50	75.2	137	79.4
55	72.9	136	79.4
60	70.7	134	79.4
65	68.4	131	79.4
70	66.1	129	79.4
75	63.7	126	79.4
80	61.2	123	79.4
85	58.7	120	79.4
90	56.1	116	79.4
95	53.4	112	78.2
100	50.6	107	72.4
105	47.7	102	67.3
110	44.5	97	62.6
115	41.2	90	58.4
120	37.6	84	54.6
125	33.5	75	51.0
130	29.1	66	47.8
135	23.4	53	44.7
140	18	40	33.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 229.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
144 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	86	151	66.4
20	85.8	151	526.6
25	83.8	150	455.4
30	81.8	150	375.6
35	79.8	149	318.5
40	77.8	148	274.4
45	75.7	146	230.8
50	73.6	145	198.5
55	71.5	143	173.6
60	69.4	141	153.9
65	67.3	139	137.8
70	65.1	137	124.5
75	62.8	134	113.3
80	60.5	131	103.8
85	58.2	128	95.5
90	55.8	125	88.3
95	53.3	121	81.9
100	50.7	117	76.2
105	48.1	112	71.2
110	45.3	107	66.6
115	42.3	102	62.5
120	39.2	96	58.8
125	35.8	89	55.3
130	32.1	81	52.2
135	27.9	72	49.3
140	23	60	46.6
144 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	153	79.4
30	84.2	153	79.4
35	82.2	152	79.4
40	80.2	151	79.4
45	78.2	149	79.4
50	76.2	148	79.4
55	74.1	146	79.4
60	72.1	144	79.4
65	70	142	79.4
70	67.8	140	79.4
75	65.6	137	79.4
80	63.4	134	79.4
85	61.1	131	79.4
90	58.8	128	79.4
95	56.4	124	77.8
100	53.9	120	72.0
105	51.3	116	66.9
110	48.6	111	62.2
115	45.7	106	58.0
120	42.7	100	54.2
125	39.5	93	50.7
130	36.1	86	47.5
135	32.2	78	44.5
140	27.7	67	41.7
145	22.5	55	39.1
150	16.9	41	33.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
154 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	86	161	66.4
25	84.2	160	451.7
30	82.4	160	374.9
35	80.5	159	317.9
40	78.6	158	274.2
45	76.7	157	230.5
50	74.7	155	198.2
55	72.8	154	173.3
60	70.8	152	153.6
65	68.8	150	137.5
70	66.8	148	124.2
75	64.7	145	113.0
80	62.6	142	103.4
85	60.5	140	95.1
90	58.3	136	87.9
95	56	133	81.6
100	53.7	129	75.9
105	51.3	125	70.9
110	48.9	121	66.3
115	46.3	116	62.2
120	43.6	111	58.5
125	40.7	105	55.0
130	37.7	99	51.9
135	34.4	91	49.0
140	30.8	83	46.3
145	26.8	73	43.8
150	22	62	41.5
154 ft Main boom, Load fall point Boom, HPT head (2821-2)			
26	86	163	79.4
30	84.6	163	79.4
35	82.7	162	79.4
40	80.9	161	79.4
45	79	159	79.4
50	77.1	158	79.4
55	75.2	156	79.4
60	73.2	155	79.4
65	71.3	153	79.4
70	69.3	151	79.4
75	67.3	148	79.4
80	65.2	146	79.4
85	63.1	143	79.4
90	61	140	79.4
95	58.8	136	77.5
100	56.6	133	71.7
105	54.2	129	66.6
110	51.8	125	61.9
115	49.3	120	57.7
120	46.7	115	53.9
125	44	109	50.4
130	41.1	103	47.2
135	38	96	44.3
140	34.6	88	41.5
145	30.9	80	39.0
150	26.5	69	36.5
155	21.4	56	34.3

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
164 ft Main boom, Load fall point Boom, HPT head (2821-1)			
21	86	171	475.6
25	84.6	170	446.9
30	82.8	170	374.0
35	81	169	317.0
40	79.3	168	274.0
45	77.5	167	230.2
50	75.7	165	197.9
55	73.8	164	172.9
60	72	162	153.2
65	70.1	160	137.1
70	68.3	158	123.8
75	66.3	156	112.5
80	64.4	154	103.0
85	62.4	151	94.7
90	60.4	148	87.4
95	58.4	145	81.1
100	56.2	142	75.4
105	54.1	138	70.4
110	51.9	134	65.8
115	49.6	130	61.7
120	47.2	125	58.0
125	44.7	120	54.6
130	42.1	114	51.4
135	39.3	108	48.5
140	36.4	102	45.9
145	33.2	94	43.4
150	29.7	85	41.1
155	25.8	75	38.9
160	21.1	63	36.9
164 ft Main boom, Load fall point Boom, HPT head (2821-2)			
27	86	173	79.4
30	84.9	172	79.4
35	83.2	172	79.4
40	81.4	171	79.4
45	79.6	170	79.4
50	77.9	168	79.4
55	76.1	167	79.4
60	74.3	165	79.4
65	72.5	163	79.4
70	70.6	161	79.4
75	68.7	159	79.4
80	66.8	157	79.4
85	64.9	154	79.4
90	62.9	151	79.4
95	60.9	148	77.0
100	58.8	145	71.3
105	56.8	142	66.1
110	54.6	138	61.5
115	52.3	133	57.3
120	50	129	53.5
125	47.6	124	50.0
130	45.1	118	46.8
135	42.4	113	43.8
140	39.6	106	41.1
145	36.6	99	38.6
150	33.3	91	36.2
155	29.7	82	34.0
160	26.5	73	32.1
165	21.7	60	30.1

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 229.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
174 ft Main boom, Load fall point Boom, HPT head (2821-1)			
22	86	181	448.5
25	84.9	180	438.3
30	83.2	180	373.7
35	81.6	179	316.7
40	79.9	178	273.8
45	78.2	177	230.0
50	76.5	176	197.6
55	74.8	174	172.7
60	73.1	173	152.9
65	71.3	171	136.9
70	69.6	169	123.5
75	67.8	167	112.3
80	66	165	102.7
85	64.1	162	94.4
90	62.3	160	87.2
95	60.4	157	80.8
100	58.4	154	75.2
105	56.4	150	70.1
110	54.4	146	65.6
115	52.3	143	61.5
120	50.2	138	57.7
125	47.9	134	54.3
130	45.6	129	51.2
135	43.2	124	48.3
140	40.7	118	45.7
145	38	111	43.2
150	35.2	104	40.9
155	32.1	96	38.8
160	28.7	88	36.8
165	24.9	77	34.9
170	21.4	67	33.2
174 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	183	79.4
30	85.2	182	79.4
35	83.5	182	79.4
40	81.9	181	79.4
45	80.2	180	79.4
50	78.6	178	79.4
55	76.9	177	79.4
60	75.2	176	79.4
65	73.5	174	79.4
70	71.7	172	79.4
75	70	170	79.4
80	68.2	168	79.4
85	66.4	165	79.4
90	64.6	163	79.4
95	62.7	160	76.8
100	60.8	157	71.1
105	58.9	154	65.9
110	56.9	150	61.3
115	54.9	146	57.1
120	52.8	142	53.3
125	50.6	138	49.8
130	48.3	133	46.6
135	46	128	43.7
140	43.6	122	40.9
145	41	116	38.4
150	38.2	109	36.1
155	35.4	102	33.9
160	32.9	95	32.0
165	29.5	86	30.1
170	25.5	75	28.2
175	20.8	61	26.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
184 ft Main boom, Load fall point Boom, HPT head (2821-1)			
22	86	190	419.7
25	85.2	190	419.7
30	83.6	190	368.6
35	82	189	315.7
40	80.4	188	272.9
45	78.8	187	229.8
50	77.2	186	197.3
55	75.6	184	172.4
60	74	183	152.5
65	72.4	181	136.4
70	70.7	180	123.1
75	69	178	111.9
80	67.3	176	102.3
85	65.6	173	94.0
90	63.9	171	86.7
95	62.1	168	80.3
100	60.3	165	74.7
105	58.5	162	69.6
110	56.6	159	65.1
115	54.7	155	61.0
120	52.7	151	57.2
125	50.7	147	53.8
130	48.6	143	50.7
135	46.5	138	47.8
140	44.2	133	45.2
145	41.9	127	42.7
150	39.4	121	40.4
155	36.8	114	38.3
160	34.1	107	36.3
165	31.1	99	34.4
170	28.5	92	32.8
175	24.9	81	31.1
180	20.6	68	29.5
184 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	193	79.4
30	85.4	192	79.4
35	83.9	192	79.4
40	82.3	191	79.4
45	80.8	190	79.4
50	79.2	189	79.4
55	77.6	187	79.4
60	76	186	79.4
65	74.4	184	79.4
70	72.8	182	79.4
75	71.1	180	79.4
80	69.4	178	79.4
85	67.8	176	79.4
90	66.1	174	79.4
95	64.3	171	76.4
100	62.5	168	70.6
105	60.8	165	65.5

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
184 ft Main boom, Load fall point Boom, HPT head (2821-2)			
110	58.9	162	60.8
115	57.1	158	56.6
120	55.1	155	52.8
125	53.1	151	49.3
130	51.1	146	46.1
135	49	142	43.2
140	46.8	137	40.5
145	44.6	131	38.0
150	42.2	125	35.6
155	40.3	120	33.4
160	37.7	114	31.6
165	34.9	106	29.6
170	31.8	98	27.8
175	28.5	88	26.1
180	24.6	76	24.4
185	20	62	22.9
194 ft Main boom, Load fall point Boom, HPT head (2821-1)			
23	86	200	392.7
25	85.4	200	392.7
30	83.9	200	358.4
35	82.4	199	315.1
40	80.9	198	270.6
45	79.4	197	229.5
50	77.9	196	197.0
55	76.4	195	172.0
60	74.8	193	152.2
65	73.3	192	136.1
70	71.7	190	122.7
75	70.2	188	111.5
80	68.6	186	101.8
85	66.9	184	93.5
90	65.3	182	86.3
95	63.7	179	79.9
100	62	176	74.3
105	60.3	174	69.2
110	58.5	170	64.6
115	56.8	167	60.5
120	54.9	164	56.8
125	53.1	160	53.4
130	51.2	156	50.3
135	49.2	151	47.4
140	47.2	147	44.7
145	45.1	142	42.3
150	42.9	136	40.0
155	40.7	131	37.9
160	38.3	124	35.9
165	35.7	117	34.0
170	33.6	111	32.4
175	30.8	103	30.7
180	27.6	94	29.2
185	24.1	83	27.7
190	19.9	70	26.3

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 229.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
194 ft Main boom, Load fall point Boom, HPT head (2821-2)			
29	86	202	79.4
30	85.7	202	79.4
35	84.2	202	79.4
40	82.7	201	79.4
45	81.2	200	79.4
50	79.7	199	79.4
55	78.2	198	79.4
60	76.7	196	79.4
65	75.2	195	79.4
70	73.7	193	79.4
75	72.1	191	79.4
80	70.5	189	79.4
85	69	187	79.4
90	67.4	185	79.4
95	65.7	182	76.0
100	64.1	180	70.2
105	62.4	177	65.1
110	60.7	174	60.4
115	59	170	56.2
120	57.2	167	52.4
125	55.4	163	48.9
130	53.5	159	45.7
135	51.6	155	42.8
140	49.6	150	40.1
145	47.6	146	37.6
150	45.4	140	35.2
155	43.7	136	33.3
160	41.5	130	31.2
165	39.1	124	29.3
170	36.5	116	27.5
175	33.8	108	25.8
180	30.8	100	24.2
185	27.5	90	22.6
190	23.8	78	21.2
195	19.2	63	19.7
203 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	210	363.6
25	85.6	210	363.6
30	84.2	209	344.3
35	82.8	209	314.1
40	81.4	208	267.4
45	79.9	207	229.2
50	78.5	206	196.7
55	77	205	171.6
60	75.6	204	151.8
65	74.1	202	135.6
70	72.6	200	122.2
75	71.2	199	111.0
80	69.7	197	101.4
85	68.1	195	93.0
90	66.6	192	85.8
95	65	190	79.4
100	63.5	188	73.7
105	61.9	185	68.7
110	60.2	182	64.1
115	58.6	179	60.0
120	56.9	176	56.3

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
203 ft Main boom, Load fall point Boom, HPT head (2821-1)			
125	55.2	172	52.8
130	53.4	168	49.7
135	51.6	164	46.8
140	49.8	160	44.2
145	47.9	156	41.7
150	45.9	151	39.5
155	43.8	146	37.3
160	41.7	140	35.3
165	39.5	134	33.5
170	37.7	129	31.9
175	35.3	122	30.2
180	32.7	114	28.7
185	29.9	105	27.2
190	26.8	96	25.8
195	23.3	84	24.4
200	19.2	71	23.2
203 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	86	212	79.4
30	85.9	212	79.4
35	84.5	212	79.4
40	83.1	211	79.4
45	81.7	210	79.4
50	80.2	209	79.4
55	78.8	208	79.4
60	77.4	206	79.4
65	75.9	205	79.4
70	74.5	203	79.4
75	73	202	79.4
80	71.5	200	79.4
85	70	198	79.4
90	68.5	196	79.4
95	67	193	75.5
100	65.4	191	69.7
105	63.9	188	64.6
110	62.3	185	59.9
115	60.6	182	55.7
120	59	179	51.9
125	57.3	176	48.4
130	55.6	172	45.2
135	53.8	168	42.3
140	52	164	39.6
145	50.1	159	37.1
150	48.2	154	34.7
155	46.7	151	32.8
160	44.6	145	30.7
165	42.5	140	28.8
170	40.3	133	27.0
175	37.9	126	25.3
180	35.5	119	23.7
185	32.8	111	22.2
190	29.9	102	20.7
195	26.7	91	19.3
200	23	79	18.0
205	18.5	64	16.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
213 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	220	66.4
25	85.8	220	337.2
30	84.5	219	328.2
35	83.1	219	310.4
40	81.8	218	264.3
45	80.4	217	227.7
50	79	216	196.4
55	77.7	215	171.3
60	76.3	214	151.5
65	74.9	212	135.3
70	73.5	211	121.9
75	72.1	209	110.7
80	70.6	207	101.0
85	69.2	205	92.7
90	67.7	203	85.5
95	66.3	201	79.1
100	64.8	199	73.4
105	63.3	196	68.3
110	61.7	193	63.8
115	60.2	190	59.7
120	58.6	187	55.9
125	57	184	52.5
130	55.4	181	49.4
135	53.7	177	46.5
140	52	173	43.9
145	50.2	169	41.4
150	48.4	164	39.1
155	46.6	160	37.0
160	44.7	155	35.0
165	43.1	150	33.3
170	41.1	145	31.6
175	38.9	138	29.9
180	36.7	132	28.4
185	34.3	124	26.9
190	31.8	116	25.5
195	29	108	24.2
200	26	98	22.9
205	22.6	86	21.7
210	18.6	72	20.6
213 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	86	222	79.4
35	84.7	221	79.4
40	83.4	221	79.4
45	82	220	79.4
50	80.7	219	79.4
55	79.3	218	79.4
60	78	216	79.4
65	76.6	215	79.4
70	75.2	214	79.4
75	73.8	212	79.4
80	72.4	210	79.4
85	71	208	79.4
90	69.6	206	79.4
95	68.1	204	75.2
100	66.6	202	69.4
105	65.2	199	64.3
110	63.7	197	59.6
115	62.1	194	55.4
120	60.6	191	51.6
125	59	188	48.1
130	57.4	184	44.9
135	55.8	180	42.0

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 229.3
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
213 ft Main boom, Load fall point Boom, HPT head (2821-2)			
140	54.1	176	39.3
145	52.4	172	36.8
150	50.6	168	34.4
155	49.2	164	32.5
160	47.3	160	30.4
165	45.4	154	28.5
170	43.4	149	26.7
175	41.4	143	25.0
180	39.2	136	23.4
185	36.9	129	21.9
190	34.5	122	20.5
195	31.9	113	19.1
200	29	104	17.8
205	25.9	93	16.6
210	22.3	80	15.4
215	17.9	64	14.2
223 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	86	230	66.4
30	84.7	229	311.2
35	83.4	229	296.3
40	82.1	228	261.1
45	80.8	227	225.0
50	79.5	226	196.0
55	78.2	225	171.0
60	76.9	224	151.1
65	75.6	222	134.9
70	74.2	221	121.5
75	72.9	220	110.2
80	71.5	218	100.6
85	70.2	216	92.2
90	68.8	214	85.0
95	67.4	212	78.6
100	66	210	72.9
105	64.6	207	67.8
110	63.1	205	63.3
115	61.6	202	59.1
120	60.2	199	55.4
125	58.7	196	52.0
130	57.1	193	48.9
135	55.6	189	46.0
140	54	186	43.3
145	52.3	182	40.9
150	50.7	178	38.6
155	49	173	36.5
160	47.2	168	34.5
165	45.8	165	32.8
170	44	160	31.0
175	42	154	29.4
180	40	148	27.8
185	38	142	26.4
190	35.8	135	25.0
195	33.4	127	23.7
200	31	119	22.4
205	28.3	110	21.2
210	25.3	99	20.1
215	22	87	19.0
220	18	73	17.9

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
223 ft Main boom, Load fall point Boom, HPT head (2821-2)			
31	86	232	79.4
35	85	231	79.4
40	83.7	231	79.4
45	82.4	230	79.4
50	81.1	229	79.4
55	79.8	228	79.4
60	78.5	227	79.4
65	77.2	225	79.4
70	75.9	224	79.4
75	74.5	222	79.4
80	73.2	221	79.4
85	71.9	219	79.4
90	70.5	217	79.4
95	69.1	215	74.7
100	67.7	213	69.0
105	66.4	210	63.8
110	64.9	208	59.2
115	63.5	205	54.9
120	62	202	51.1
125	60.5	199	47.6
130	59	196	44.4
135	57.5	192	41.5
140	55.9	189	38.8
145	54.3	185	36.3
150	52.7	181	33.9
155	51.4	178	32.0
160	49.7	173	29.9
165	47.9	168	28.0
170	46.1	163	26.2
175	44.3	158	24.5
180	42.3	152	22.9
185	40.3	146	21.4
190	38.2	139	20.0
195	35.9	132	18.7
200	33.6	124	17.4
205	31	115	16.1
210	28.2	106	15.0
215	25.1	95	13.8
220	21.6	82	12.7
225	17.2	65	11.6
233 ft Main boom, Load fall point Boom, HPT head (2821-1)			
26	86	240	66.4
30	85	239	294.7
35	83.7	238	277.8
40	82.5	238	257.9
45	81.2	237	222.4
50	80	236	194.8
55	78.7	235	170.6
60	77.5	234	150.7
65	76.2	233	134.5
70	74.9	231	121.1
75	73.6	230	109.8
80	72.3	228	100.1
85	71	226	91.8
90	69.7	225	84.5
95	68.4	223	78.1
100	67.1	220	72.4
105	65.7	218	67.3
110	64.3	216	62.8
115	63	213	58.7
120	61.6	210	54.9
125	60.1	208	51.5
130	58.7	204	48.4
135	57.2	201	45.5
140	55.7	198	42.9

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
233 ft Main boom, Load fall point Boom, HPT head (2821-1)			
145	54.2	194	40.4
150	52.7	190	38.1
155	51.1	186	36.0
160	49.5	182	34.0
165	48.2	178	32.3
170	46.5	174	30.6
175	44.7	168	28.9
180	42.9	163	27.4
185	41	157	25.9
190	39.1	151	24.5
195	37	145	23.2
200	34.9	137	22.0
205	32.6	130	20.8
210	30.2	121	19.7
215	27.6	112	18.6
220	24.7	101	17.6
225	21.4	89	16.6
233 ft Main boom, Load fall point Boom, HPT head (2821-2)			
32	86	242	79.4
35	85.2	241	79.4
40	83.9	241	79.4
45	82.7	240	79.4
50	81.5	239	79.4
55	80.2	238	79.4
60	79	237	79.4
65	77.7	236	79.4
70	76.5	234	79.4
75	75.2	233	79.4
80	73.9	231	79.4
85	72.7	229	79.3
90	71.4	228	78.8
95	70	226	74.3
100	68.7	223	68.5
105	67.4	221	63.4
110	66.1	219	58.7
115	64.7	216	54.5
120	63.3	214	50.7
125	61.9	211	47.2
130	60.5	208	44.0
135	59	204	41.0
140	57.6	201	38.3
145	56.1	198	35.8
150	54.6	194	33.5
155	53.3	191	31.5
160	51.8	186	29.5
165	50.1	182	27.6
170	48.5	177	25.8
175	46.8	172	24.1
180	45	167	22.5
185	43.2	162	21.0
190	41.3	156	19.6
195	39.3	149	18.2
200	37.2	142	17.0
205	35	135	15.7
210	32.7	127	14.6
215	30.2	118	13.5
220	27.5	108	12.4
225	24.5	96	11.4
230	21	83	10.3
235	16.7	66	9.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 229.3
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
243 ft Main boom, Load fall point Boom, HPT head (2821-1)			
26	86	249	273.2
30	85.2	249	273.2
35	84	248	261.0
40	82.8	248	250.9
45	81.6	247	219.8
50	80.4	246	192.5
55	79.2	245	170.2
60	78	244	150.3
65	76.8	243	134.0
70	75.5	242	120.6
75	74.3	240	109.3
80	73.1	239	99.6
85	71.8	237	91.3
90	70.6	235	84.0
95	69.3	233	77.6
100	68	231	71.9
105	66.8	229	66.8
110	65.5	227	62.2
115	64.1	224	58.1
120	62.8	222	54.4
125	61.5	219	51.0
130	60.1	216	47.8
135	58.7	213	44.9
140	57.3	210	42.3
145	55.9	206	39.8
150	54.4	203	37.5
155	52.9	199	35.4
160	51.8	196	33.4
165	50.2	192	31.7
170	48.7	187	30.0
175	47	182	28.3
180	45.4	178	26.8
185	43.7	172	25.3
190	41.9	167	24.0
195	40.1	161	22.7
200	38.2	154	21.4
205	36.2	148	20.2
210	34.1	140	19.1
215	31.8	132	18.0
220	29.5	123	17.0
225	26.9	114	16.0
230	24	103	15.1
235	20.8	90	14.2
243 ft Main boom, Load fall point Boom, HPT head (2821-2)			
32	86	252	79.4
35	85.4	251	79.4
40	84.2	250	79.4
45	83	250	79.4
50	81.8	249	79.4
55	80.6	248	79.4
60	79.4	247	79.4
65	78.2	246	79.4
70	77	244	79.4
75	75.8	243	79.4
80	74.6	241	79.4
85	73.4	240	79.4
90	72.1	238	78.7
95	70.9	236	73.8
100	69.6	234	68.0
105	68.4	232	62.9
110	67.1	230	58.2
115	65.8	227	54.0
120	64.5	225	50.2
125	63.2	222	46.7
130	61.8	219	43.5

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
243 ft Main boom, Load fall point Boom, HPT head (2821-2)			
135	60.5	216	40.5
140	59.1	213	37.8
145	57.7	210	35.3
150	56.5	207	33.2
155	55.1	203	31.0
160	53.6	199	28.9
165	52.1	195	27.0
170	50.5	191	25.2
175	49	186	23.6
180	47.3	181	22.0
185	45.7	176	20.5
190	43.9	171	19.1
195	42.2	165	17.7
200	40.3	159	16.4
205	38.4	152	15.2
210	36.3	145	14.1
215	34.2	137	12.9
220	31.9	129	11.9
225	29.5	120	10.9
230	26.8	109	9.9
235	23.8	98	8.9
240	20.4	84	8.0
245	16.1	66	7.1
253 ft Main boom, Load fall point Boom, HPT head (2821-1)			
27	86	259	257.6
30	85.3	259	257.6
35	84.2	258	252.9
40	83.1	258	247.8
45	81.9	257	217.2
50	80.8	256	190.4
55	79.6	255	168.8
60	78.5	254	149.9
65	77.3	253	133.7
70	76.1	252	120.2
75	74.9	250	108.9
80	73.8	249	99.2
85	72.6	247	90.9
90	71.4	246	83.6
95	70.2	244	77.2
100	68.9	242	71.5
105	67.7	240	66.4
110	66.5	238	61.9
115	65.2	235	57.7
120	64	233	54.0
125	62.7	230	50.6
130	61.4	227	47.4
135	60.1	224	44.6
140	58.7	221	41.9
145	57.4	218	39.4
150	56	215	37.2
155	54.6	211	35.0
160	53.5	208	33.2
165	52.1	204	31.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
253 ft Main boom, Load fall point Boom, HPT head (2821-1)			
170	50.6	200	29.6
175	49.1	196	28.0
180	47.6	191	26.4
185	46	186	25.0
190	44.4	181	23.6
195	42.7	176	22.3
200	41	170	21.0
205	39.2	164	19.9
210	37.3	157	18.8
215	35.3	150	17.7
220	33.3	143	16.7
225	31.1	135	15.7
230	28.8	126	14.8
235	26.2	116	13.9
240	23.4	104	13.0
245	20.3	91	12.2
253 ft Main boom, Load fall point Boom, HPT head (2821-2)			
33	86	261	79.4
35	85.5	261	79.4
40	84.4	260	79.4
45	83.3	260	79.4
50	82.1	259	79.4
55	81	258	79.4
60	79.9	257	79.4
65	78.7	256	79.4
70	77.6	254	79.4
75	76.4	253	79.4
80	75.2	252	79.4
85	74	250	79.4
90	72.9	248	79.4
95	71.7	247	73.5
100	70.5	245	67.7
105	69.3	243	62.5
110	68.1	240	57.9
115	66.8	238	53.6
120	65.6	236	49.8
125	64.3	233	46.3
130	63	230	43.1
135	61.7	228	40.2
140	60.4	225	37.4
145	59.1	221	34.9
150	58	219	32.8
155	56.6	215	30.6
160	55.3	212	28.6
165	53.8	208	26.7
170	52.4	204	24.9
175	50.9	199	23.2
180	49.4	195	21.6
185	47.9	190	20.1
190	46.3	185	18.7
195	44.6	180	17.4
200	42.9	174	16.1
205	41.2	168	14.9
210	39.4	162	13.7
215	37.5	155	12.6
220	35.5	148	11.6
225	33.4	140	10.6
230	31.2	131	9.6
235	28.7	122	8.7
240	26.1	111	7.8
245	23.2	99	6.9
250	19.8	85	6.0

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 229.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
262 ft Main boom, Load fall point Boom, HPT head (2821-1)			
28	86	269	239.9
30	85.5	269	239.9
35	84.4	268	237.6
40	83.3	268	234.0
45	82.2	267	214.6
50	81.1	266	188.1
55	80	265	166.8
60	78.9	264	149.3
65	77.8	263	133.3
70	76.7	262	119.8
75	75.5	261	108.5
80	74.4	259	98.8
85	73.2	258	90.4
90	72.1	256	83.1
95	70.9	254	76.7
100	69.8	252	71.0
105	68.6	250	65.9
110	67.4	248	61.3
115	66.2	246	57.2
120	65	244	53.4
125	63.8	241	50.0
130	62.6	239	46.9
135	61.3	236	44.0
140	60.1	233	41.3
145	58.8	230	38.9
150	57.5	227	36.6
155	56.2	223	34.5
160	55.1	220	32.7
165	53.8	217	30.8
170	52.4	213	29.0
175	51	209	27.4
180	49.5	205	25.9
185	48.1	200	24.4
190	46.6	195	23.0
195	45	190	21.7
200	43.4	185	20.5
205	41.8	179	19.3
210	40.1	173	18.2
215	38.3	167	17.1
220	36.5	160	16.1
225	34.6	153	15.1
230	32.6	145	14.2
235	30.4	137	13.3
240	28.1	128	12.4
245	25.6	117	11.6
250	22.9	106	10.8
255	19.8	92	10.0
262 ft Main boom, Load fall point Boom, HPT head (2821-2)			
34	86	271	79.4
35	85.7	271	79.4
40	84.6	270	79.4
45	83.5	270	79.4
50	82.4	269	79.4
55	81.3	268	79.4
60	80.2	267	79.4
65	79.1	266	79.4
70	78	265	79.4
75	76.9	263	79.4
80	75.8	262	79.4
85	74.7	260	79.4
90	73.5	259	79.4
95	72.4	257	73.0
100	71.2	255	67.2
105	70.1	253	62.1
110	68.9	251	57.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
262 ft Main boom, Load fall point Boom, HPT head (2821-2)			
115	67.7	249	53.1
120	66.6	247	49.3
125	65.3	244	45.8
130	64.1	242	42.6
135	62.9	239	39.6
140	61.6	236	36.9
145	60.4	233	34.4
150	59.4	230	32.3
155	58.1	227	30.1
160	56.8	224	28.1
165	55.4	220	26.1
170	54.1	216	24.4
175	52.7	212	22.7
180	51.3	208	21.1
185	49.8	204	19.6
190	48.3	199	18.2
195	46.8	194	16.8
200	45.3	189	15.6
205	43.7	183	14.3
210	42	178	13.2
215	40.3	172	12.1
220	38.5	165	11.0
225	36.7	158	10.0
230	34.7	150	9.1
235	32.6	142	8.2
240	30.4	133	7.3
245	28.1	124	6.4
250	25.5	113	5.6
255	22.6	100	4.8
260	19.3	86	4.0
272 ft Main boom, Load fall point Boom, HPT head (2821-1)			
28	86	279	222.0
30	85.7	279	222.0
35	84.6	278	221.2
40	83.6	278	219.0
45	82.5	277	212.0
50	81.4	276	185.8
55	80.4	275	164.8
60	79.3	274	147.5
65	78.2	273	132.8
70	77.1	272	119.3
75	76.1	271	108.0
80	75	269	98.3
85	73.9	268	89.9
90	72.8	266	82.6
95	71.7	265	76.2
100	70.5	263	70.5
105	69.4	261	65.4
110	68.3	259	60.8
115	67.1	257	56.7
120	66	255	52.9
125	64.8	252	49.5
130	63.6	250	46.4
135	62.5	247	43.5
140	61.3	244	40.8
145	60	241	38.4
150	58.8	238	36.1
155	57.6	235	34.0
160	56.6	232	32.2
165	55.3	229	30.3
170	54	225	28.5
175	52.6	222	26.9
180	51.3	218	25.4
185	49.9	213	23.9

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
272 ft Main boom, Load fall point Boom, HPT head (2821-1)			
190	48.5	209	22.5
195	47.1	204	21.2
200	45.6	199	20.0
205	44.1	194	18.8
210	42.5	189	17.7
215	40.9	183	16.6
220	39.3	177	15.6
225	37.5	170	14.6
230	35.7	163	13.7
235	33.9	156	12.8
240	31.9	148	12.0
245	29.8	139	11.2
250	27.5	130	10.4
255	25.1	119	9.6
260	22.4	107	8.9
265	19.3	94	8.1
272 ft Main boom, Load fall point Boom, HPT head (2821-2)			
34	86	281	79.4
35	85.9	281	79.4
40	84.8	280	79.4
45	83.8	280	79.4
50	82.7	279	79.4
55	81.7	278	79.4
60	80.6	277	79.4
65	79.5	276	79.4
70	78.5	275	79.4
75	77.4	274	79.4
80	76.3	272	79.4
85	75.2	271	79.4
90	74.1	269	79.1
95	73	268	72.6
100	71.9	266	66.8
105	70.9	264	61.6
110	69.7	262	56.9
115	68.6	260	52.7
120	67.5	258	48.8
125	66.3	255	45.3
130	65.1	253	42.1
135	64	250	39.2
140	62.8	247	36.4
145	61.6	244	33.9
150	60.6	242	31.8
155	59.4	239	29.6
160	58.1	236	27.6
165	56.9	232	25.7
170	55.6	229	23.9
175	54.3	225	22.2
180	52.9	221	20.6
185	51.6	217	19.1
190	50.2	212	17.7

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 229.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
272 ft Main boom, Load fall point Boom, HPT head (2821-2)			
195	48.8	208	16.4
200	47.3	203	15.1
205	45.9	198	13.9
210	44.3	193	12.7
215	42.8	187	11.6
220	41.1	181	10.6
225	39.5	175	9.6
230	37.7	168	8.6
235	35.9	161	7.7
240	34	153	6.8
245	31.9	145	6.0
250	29.8	136	5.2
255	27.5	126	4.4
260	24.9	114	3.6
265	22.1	102	2.8
270	18.8	87	2.0
282 ft Main boom, Load fall point Boom, HPT head (2821-1)			
29	86	289	205.3
30	85.8	289	205.3
35	84.8	288	204.8
40	83.8	288	202.9
45	82.8	287	201.1
50	81.7	286	183.6
55	80.7	285	162.8
60	79.7	284	145.7
65	78.6	283	131.4
70	77.6	282	118.9
75	76.6	281	107.5
80	75.5	280	97.8
85	74.5	278	89.4
90	73.4	277	82.1
95	72.3	275	75.7
100	71.3	273	70.0
105	70.2	272	64.9
110	69.1	270	60.3
115	68	268	56.1
120	66.9	265	52.4
125	65.8	263	49.0
130	64.6	261	45.8
135	63.5	258	42.9
140	62.4	256	40.3
145	61.2	253	37.8
150	60	250	35.5
155	59.1	248	33.4
160	57.9	244	31.6
165	56.7	241	29.7
170	55.4	238	28.0
175	54.2	234	26.3
180	52.9	230	24.8
185	51.6	226	23.3
190	50.3	222	21.9
195	48.9	218	20.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
282 ft Main boom, Load fall point Boom, HPT head (2821-1)			
200	47.5	213	19.4
205	46.1	208	18.2
210	44.7	203	17.1
215	43.2	198	16.0
220	41.7	192	15.0
225	40.1	186	14.1
230	38.5	180	13.1
235	36.8	173	12.2
240	35	166	11.4
245	33.2	158	10.6
250	31.2	150	9.8
255	29.1	141	9.0
260	26.9	132	8.3
265	24.5	121	7.6
270	21.9	109	6.9
275	18.8	95	6.2
292 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	86	298	66.4
30	86	298	191.3
35	85	298	191.3
40	84	297	189.5
45	83	297	188.2
50	82	296	178.8
55	81	295	160.9
60	80	294	144.0
65	79	293	129.8
70	78	292	117.8
75	77	291	107.1
80	76	290	97.4
85	75	288	89.0
90	74	287	81.7
95	72.9	285	75.3
100	71.9	284	69.6
105	70.9	282	64.5
110	69.8	280	59.9
115	68.8	278	55.7
120	67.7	276	52.0
125	66.6	274	48.5
130	65.6	272	45.4
135	64.5	269	42.5
140	63.4	267	39.8
145	62.3	264	37.4
150	61.1	261	35.1
155	60.2	259	33.1
160	59.1	256	31.2
165	57.9	253	29.3
170	56.8	250	27.5
175	55.6	246	25.9
180	54.4	242	24.3
185	53.1	239	22.9
190	51.9	235	21.5
195	50.6	231	20.2
200	49.3	226	19.0
205	48	222	17.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
292 ft Main boom, Load fall point Boom, HPT head (2821-1)			
210	46.6	217	16.7
215	45.3	212	15.6
220	43.8	207	14.6
225	42.4	201	13.6
230	40.9	196	12.7
235	39.3	190	11.8
240	37.7	183	11.0
245	36.1	176	10.2
250	34.3	169	9.4
255	32.5	161	8.6
260	30.6	153	7.9
265	28.6	144	7.2
270	26.4	134	6.5
275	24	123	5.9
280	21.4	110	5.3
285	18.4	96	4.6
302 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	86	308	66.4
35	85.2	308	177.3
40	84.2	307	176.4
45	83.2	307	175.5
50	82.3	306	170.4
55	81.3	305	158.9
60	80.4	304	142.2
65	79.4	303	128.2
70	78.4	302	116.3
75	77.5	301	106.0
80	76.5	300	96.9
85	75.5	299	88.5
90	74.5	297	81.2
95	73.5	296	74.8
100	72.5	294	69.0
105	71.5	292	63.9
110	70.5	291	59.3
115	69.5	289	55.2
120	68.5	287	51.4
125	67.4	285	48.0
130	66.4	282	44.8
135	65.4	280	41.9
140	64.3	278	39.3
145	63.2	275	36.8
150	62.2	272	34.5
155	61.3	270	32.6
160	60.2	268	30.6
165	59.1	264	28.7
170	58	261	27.0
175	56.9	258	25.3
180	55.7	255	23.8
185	54.5	251	22.3
190	53.3	247	20.9
195	52.1	243	19.6
200	50.9	239	18.4
205	49.7	235	17.2
210	48.4	230	16.1
215	47.1	226	15.0

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
Degree rating: 360 °
Foot print: 2-wide track
Counterweight [1000 lbs]: 229.3
Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
302 ft Main boom, Load fall point Boom, HPT head (2821-1)			
220	45.8	221	14.0
225	44.4	216	13.1
230	43	210	12.1
235	41.6	205	11.3
240	40.1	199	10.4
245	38.6	193	9.6
250	37	186	8.8
255	35.4	179	8.1
260	33.7	172	7.3
265	31.9	164	6.6
270	30	155	6.0
275	28	146	5.3
280	25.9	136	4.7
285	23.5	124	4.1
290	20.9	112	3.5
295	18	97	2.9
312 ft Main boom, Load fall point Boom, HPT head (2821-1)			
31	86	318	165.4
35	85.3	318	165.4
40	84.4	317	164.2
45	83.5	317	162.8
50	82.5	316	160.1
55	81.6	315	152.9
60	80.7	314	140.3
65	79.7	313	126.5
70	78.8	312	114.7
75	77.9	311	104.6
80	76.9	310	95.8
85	76	309	88.0
90	75	308	80.7
95	74.1	306	74.3
100	73.1	304	68.5
105	72.1	303	63.4
110	71.2	301	58.8
115	70.2	299	54.7
120	69.2	297	50.9
125	68.2	295	47.5
130	67.2	293	44.3
135	66.2	291	41.4
140	65.2	289	38.8
145	64.2	286	36.3
150	63.1	284	34.0
155	62.3	282	32.1
160	61.3	279	30.1
165	60.2	276	28.2
170	59.1	273	26.4
175	58	270	24.8
180	56.9	266	23.2
185	55.8	263	21.8
190	54.7	260	20.4
195	53.5	256	19.1
200	52.4	252	17.9
205	51.2	248	16.7
210	50	244	15.6
215	48.8	239	14.5

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
312 ft Main boom, Load fall point Boom, HPT head (2821-1)			
220	47.5	235	13.5
225	46.3	230	12.5
230	45	225	11.6
235	43.6	220	10.7
240	42.3	214	9.9
245	40.8	208	9.1
250	39.4	202	8.3
255	37.9	196	7.6
260	36.4	189	6.8
265	34.7	182	6.1
270	33.1	174	5.5
275	31.3	166	4.8
280	29.4	157	4.2
285	27.5	148	3.6
290	25.4	137	3.0
295	23	126	2.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 207.2
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
66 ft Main boom, Load fall point Boom, HPT head (2821-1)			
14	86	73	66.4
15	85.2	72	603.2
20	80.8	72	557.5
25	76.2	70	442.1
30	71.6	68	365.1
35	66.8	66	310.1
40	61.9	63	256.6
45	56.6	60	215.8
50	50.9	56	185.7
55	44.7	51	162.4
60	37.5	44	143.8
65	28.7	36	128.6
66 ft Main boom, Load fall point Boom, HPT head (2821-2)			
20	86	75	79.4
25	81.7	74	79.4
30	77.3	72	79.4
35	72.8	70	79.4
40	68	67	79.4
45	63.1	64	79.4
50	57.9	60	79.4
55	52.2	55	79.4
60	45.8	50	79.4
65	38.4	42	79.4
70	28.7	32	79.4
76 ft Main boom, Load fall point Boom, HPT head (2821-1)			
15	86	82	66.4
15	85.8	82	661.4
20	82	82	557.4
25	78.1	80	442.0
30	74.1	79	365.1
35	70.1	77	310.1
40	65.9	75	257.0
45	61.5	72	216.3
50	57	69	186.1
55	52.1	65	162.9
60	46.9	60	144.4
65	41.1	54	129.3
70	34.5	47	116.8
75	26.2	37	106.1
76 ft Main boom, Load fall point Boom, HPT head (2821-2)			
21	86	85	79.4
25	82.7	84	79.4
30	78.9	82	79.4
35	75.1	80	79.4
40	71.1	78	79.4
45	66.9	75	79.4
50	62.6	72	79.4
55	58.1	68	79.4
60	53.2	64	79.4
65	47.9	59	79.4
70	42	52	79.4
75	35	44	79.4
80	25.8	33	79.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
85 ft Main boom, Load fall point Boom, HPT head (2821-1)			
15	86	92	66.4
20	82.9	92	556.6
25	79.5	91	441.2
30	76	89	364.3
35	72.5	88	309.3
40	68.9	86	257.0
45	65.1	83	216.2
50	61.3	80	186.1
55	57.3	77	162.8
60	53.1	73	144.3
65	48.5	69	129.3
70	43.7	64	116.8
75	38.3	57	106.2
80	32	49	97.2
85	24.2	39	89.3
85 ft Main boom, Load fall point Boom, HPT head (2821-2)			
21	86	94	79.4
25	83.6	94	79.4
30	80.2	92	79.4
35	76.8	91	79.4
40	73.3	89	79.4
45	69.8	86	79.4
50	66.1	84	79.4
55	62.3	81	79.4
60	58.3	77	79.4
65	54	73	79.4
70	49.5	68	79.4
75	44.5	62	79.4
80	38.9	55	79.4
85	32.3	46	79.4
90	23.4	34	78.0
95 ft Main boom, Load fall point Boom, HPT head (2821-1)			
16	86	102	662.4
20	83.7	102	556.7
25	80.6	101	441.4
30	77.5	100	364.5
35	74.4	98	309.5
40	71.2	96	257.3
45	67.9	94	216.6
50	64.6	92	186.4
55	61.1	89	163.2
60	57.5	86	144.7
65	53.8	82	129.7
70	49.8	78	117.2
75	45.6	73	106.7
80	41	67	97.7
85	35.9	60	89.9
90	29.9	52	83.0
95	22.5	40	76.9

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
95 ft Main boom, Load fall point Boom, HPT head (2821-2)			
22	86	104	79.4
25	84.2	104	79.4
30	81.2	102	79.4
35	78.2	101	79.4
40	75.1	99	79.4
45	72	97	79.4
50	68.7	95	79.4
55	65.4	92	79.4
60	62	89	79.4
65	58.4	86	79.4
70	54.6	82	79.4
75	50.6	77	79.4
80	46.3	71	79.4
85	41.6	65	79.4
90	36.3	58	78.8
95	30	48	72.6
100	21.5	34	66.9
105 ft Main boom, Load fall point Boom, HPT head (2821-1)			
17	86	112	642.5
20	84.3	112	555.9
25	81.5	111	440.5
30	78.7	110	363.6
35	75.9	108	308.7
40	73	107	257.2
45	70.1	105	216.4
50	67.1	103	186.2
55	64.1	100	162.9
60	60.9	97	144.4
65	57.7	94	129.4
70	54.3	90	117.0
75	50.8	86	106.4
80	47	82	97.5
85	43	76	89.7
90	38.7	70	82.8
95	33.8	63	76.8
100	28.2	54	71.4
105	22.7	44	33.4
105 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	114	79.4
25	84.8	114	79.4
30	82.1	113	79.4
35	79.3	111	79.4
40	76.5	110	79.4
45	73.7	108	79.4
50	70.8	106	79.4
55	67.9	103	79.4
60	64.9	101	79.4
65	61.7	98	79.4
70	58.5	94	79.4
75	55.1	90	79.4
80	51.5	86	79.4
85	47.8	81	79.4
90	43.7	75	78.7
95	39.2	68	72.5
100	34.1	60	67.0
105	27.9	49	62.0
110	19.5	34	57.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 207.2
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
115 ft Main boom, Load fall point Boom, HPT head (2821-1)			
18	86	122	610.6
20	84.8	121	555.4
25	82.2	121	440.1
30	79.7	120	363.1
35	77.1	118	308.2
40	74.5	117	257.2
45	71.9	115	216.3
50	69.2	113	186.0
55	66.5	111	162.8
60	63.7	109	144.3
65	60.8	106	129.3
70	57.9	103	116.8
75	54.8	99	106.3
80	51.6	95	97.3
85	48.2	90	89.5
90	44.7	85	82.7
95	40.9	80	76.7
100	36.7	73	71.4
105	32	65	66.6
110	26.6	55	62.3
115	21.4	46	33.4
115 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	124	79.4
25	85.2	124	79.4
30	82.7	123	79.4
35	80.2	122	79.4
40	77.7	120	79.4
45	75.1	118	79.4
50	72.5	116	79.4
55	69.9	114	79.4
60	67.2	112	79.4
65	64.4	109	79.4
70	61.5	106	79.4
75	58.6	103	79.4
80	55.5	99	79.4
85	52.3	94	79.4
90	48.9	90	78.6
95	45.3	84	72.5
100	41.4	78	67.1
105	37.1	70	62.2
110	32.1	62	57.7
115	26.2	51	53.6
120	18.4	35	49.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
125 ft Main boom, Load fall point Boom, HPT head (2821-1)			
18	86	132	580.4
20	85.2	131	554.5
25	82.9	131	439.1
30	80.5	130	362.2
35	78.2	129	307.3
40	75.8	127	257.0
45	73.4	126	216.0
50	70.9	124	185.8
55	68.5	122	162.4
60	65.9	120	143.9
65	63.4	117	128.9
70	60.7	114	116.4
75	58	111	105.9
80	55.2	108	96.9
85	52.3	104	89.1
90	49.2	99	82.4
95	46	94	76.4
100	42.6	89	71.0
105	39	83	66.3
110	35	76	62.0
115	30.5	67	58.1
120	25.3	57	54.5
125	20.2	47	33.4
125 ft Main boom, Load fall point Boom, HPT head (2821-2)			
24	86	134	79.4
25	85.6	134	79.4
30	83.3	133	79.4
35	81	132	79.4
40	78.7	130	79.4
45	76.3	129	79.4
50	74	127	79.4
55	71.5	125	79.4
60	69.1	123	79.4
65	66.6	120	79.4
70	64	118	79.4
75	61.4	114	79.4
80	58.6	111	79.4
85	55.8	107	79.4
90	52.9	103	78.3
95	49.8	98	72.2
100	46.6	93	66.7
105	43.1	87	61.9
110	39.4	81	57.5
115	35.3	73	53.5
120	30.4	64	49.8
125	24.7	52	46.4
130	19.1	40	33.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
134 ft Main boom, Load fall point Boom, HPT head (2821-1)			
19	86	141	553.0
20	85.5	141	553.0
25	83.4	141	439.0
30	81.2	140	362.1
35	79	139	307.1
40	76.9	138	256.9
45	74.6	136	216.0
50	72.4	134	185.7
55	70.1	133	162.4
60	67.8	130	143.9
65	65.5	128	128.8
70	63.1	126	116.4
75	60.6	123	105.8
80	58.1	120	96.9
85	55.5	116	89.1
90	52.8	112	82.3
95	50	108	76.3
100	47.1	103	71.0
105	44	98	66.3
110	40.8	92	62.0
115	37.3	86	58.1
120	33.4	78	54.6
125	29.1	70	51.3
130	24.1	59	48.3
134 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	144	79.4
25	85.9	143	79.4
30	83.8	143	79.4
35	81.7	142	79.4
40	79.5	140	79.4
45	77.4	139	79.4
50	75.2	137	79.4
55	72.9	136	79.4
60	70.7	134	79.4
65	68.4	131	79.4
70	66.1	129	79.4
75	63.7	126	79.4
80	61.2	123	79.4
85	58.7	120	79.4
90	56.1	116	78.3
95	53.4	112	72.2
100	50.6	107	66.7
105	47.6	102	61.9
110	44.5	97	57.5
115	41.2	90	53.6
120	37.6	83	49.9
125	33.5	75	46.6
130	29	65	43.5
135	23.4	53	40.6
140	18	40	33.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 207.2
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
144 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	86	151	66.4
20	85.8	151	526.6
25	83.8	150	438.1
30	81.8	150	361.2
35	79.8	149	306.2
40	77.8	148	256.8
45	75.7	146	215.7
50	73.6	145	185.4
55	71.5	143	162.0
60	69.4	141	143.5
65	67.3	139	128.4
70	65.1	137	115.9
75	62.8	134	105.4
80	60.5	131	96.4
85	58.2	128	88.7
90	55.8	125	81.9
95	53.3	121	75.9
100	50.7	117	70.6
105	48.1	112	65.8
110	45.3	107	61.5
115	42.3	102	57.7
120	39.2	96	54.2
125	35.8	89	50.9
130	32.1	81	48.0
135	27.9	72	45.2
140	23	60	42.7
144 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	153	79.4
30	84.2	153	79.4
35	82.2	152	79.4
40	80.2	151	79.4
45	78.2	149	79.4
50	76.2	148	79.4
55	74.1	146	79.4
60	72.1	144	79.4
65	70	142	79.4
70	67.8	140	79.4
75	65.6	137	79.4
80	63.4	134	79.4
85	61.1	131	79.4
90	58.8	128	77.9
95	56.4	124	71.8
100	53.9	120	66.4
105	51.3	116	61.5
110	48.6	111	57.1
115	45.7	106	53.2
120	42.7	100	49.6
125	39.5	93	46.3
130	36	86	43.2
135	32.1	77	40.4
140	27.8	67	37.8
145	22.3	54	35.3
150	16.9	41	33.2

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
154 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	86	161	66.4
25	84.2	160	437.5
30	82.4	160	360.6
35	80.5	159	305.6
40	78.6	158	256.5
45	76.7	157	215.5
50	74.7	155	185.1
55	72.8	154	161.7
60	70.8	152	143.2
65	68.8	150	128.1
70	66.8	148	115.6
75	64.7	145	105.1
80	62.6	142	96.1
85	60.5	140	88.3
90	58.3	136	81.5
95	56	133	75.5
100	53.7	129	70.2
105	51.3	125	65.5
110	48.9	121	61.2
115	46.3	116	57.4
120	43.6	111	53.8
125	40.7	105	50.6
130	37.7	99	47.7
135	34.4	91	45.0
140	30.8	83	42.4
145	26.8	73	40.1
150	22	62	37.9
154 ft Main boom, Load fall point Boom, HPT head (2821-2)			
26	86	163	79.4
30	84.6	163	79.4
35	82.7	162	79.4
40	80.9	161	79.4
45	79	159	79.4
50	77.1	158	79.4
55	75.2	156	79.4
60	73.2	155	79.4
65	71.3	153	79.4
70	69.3	151	79.4
75	67.3	148	79.4
80	65.2	146	79.4
85	63.1	143	79.4
90	61	140	77.6
95	58.8	136	71.5
100	56.6	133	66.1
105	54.2	129	61.2
110	51.8	125	56.8
115	49.3	120	52.9
120	46.7	115	49.3
125	44	109	46.0
130	41.1	103	43.0
135	37.9	96	40.2
140	34.6	88	37.6
145	30.8	79	35.2
150	27.6	72	33.1
155	22.7	59	31.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
164 ft Main boom, Load fall point Boom, HPT head (2821-1)			
21	86	171	475.6
25	84.6	170	436.6
30	82.8	170	359.6
35	81	169	304.6
40	79.3	168	256.3
45	77.5	167	215.2
50	75.7	165	184.8
55	73.8	164	161.4
60	72	162	142.8
65	70.1	160	127.7
70	68.3	158	115.2
75	66.3	156	104.6
80	64.4	154	95.6
85	62.4	151	87.8
90	60.4	148	81.0
95	58.4	145	75.1
100	56.2	142	69.7
105	54.1	138	65.0
110	51.9	134	60.7
115	49.6	130	56.9
120	47.2	125	53.3
125	44.7	120	50.1
130	42.1	114	47.2
135	39.3	108	44.5
140	36.4	102	42.0
145	33.2	94	39.6
150	29.7	85	37.5
155	25.8	75	35.4
160	21.1	63	33.5
164 ft Main boom, Load fall point Boom, HPT head (2821-2)			
27	86	173	79.4
30	84.9	172	79.4
35	83.2	172	79.4
40	81.4	171	79.4
45	79.6	170	79.4
50	77.9	168	79.4
55	76.1	167	79.4
60	74.3	165	79.4
65	72.5	163	79.4
70	70.6	161	79.4
75	68.7	159	79.4
80	66.8	157	79.4
85	64.9	154	79.4
90	62.9	151	77.1
95	60.9	148	71.0
100	58.9	145	65.6
105	56.8	142	60.8
110	54.6	138	56.4
115	52.3	133	52.4
120	50	129	48.8
125	47.6	124	45.6
130	45.1	119	42.6
135	42.4	113	39.8
140	39.6	106	37.2
145	36.6	99	34.8
150	34.1	93	32.8
155	30.6	84	30.7
160	26.5	73	28.7
165	21.7	60	26.8

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 207.2
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
174 ft Main boom, Load fall point Boom, HPT head (2821-1)			
22	86	181	448.5
25	84.9	180	436.3
30	83.2	180	359.3
35	81.6	179	304.3
40	79.9	178	256.2
45	78.2	177	215.0
50	76.5	176	184.6
55	74.8	174	161.1
60	73.1	173	142.6
65	71.3	171	127.5
70	69.6	169	114.9
75	67.8	167	104.4
80	66	165	95.4
85	64.1	162	87.6
90	62.3	160	80.8
95	60.4	157	74.8
100	58.4	154	69.5
105	56.4	150	64.8
110	54.4	146	60.5
115	52.3	143	56.6
120	50.2	138	53.1
125	47.9	134	49.9
130	45.6	129	47.0
135	43.2	124	44.3
140	40.7	118	41.8
145	38	111	39.5
150	35.2	104	37.3
155	32.1	96	35.3
160	29.5	90	33.4
165	25.7	79	31.8
170	21.4	67	30.1
174 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	183	79.4
30	85.2	182	79.4
35	83.5	182	79.4
40	81.9	181	79.4
45	80.2	180	79.4
50	78.6	178	79.4
55	76.9	177	79.4
60	75.2	176	79.4
65	73.5	174	79.4
70	71.7	172	79.4
75	70	170	79.4
80	68.2	168	79.4
85	66.4	165	79.4
90	64.6	163	76.9
95	62.7	160	70.8
100	60.8	157	65.4
105	58.9	154	60.6
110	56.9	150	56.2
115	54.9	146	52.2
120	52.8	142	48.7
125	50.6	138	45.4
130	48.3	133	42.4
135	46	128	39.6
140	43.6	122	37.0
145	41	116	34.7
150	38.9	111	32.7
155	36	103	30.6
160	32.9	95	28.6
165	29.5	86	26.8
170	25.5	75	25.0
175	20.8	61	23.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
184 ft Main boom, Load fall point Boom, HPT head (2821-1)			
22	86	190	419.7
25	85.2	190	419.7
30	83.6	190	358.4
35	82	189	303.4
40	80.4	188	255.7
45	78.8	187	214.7
50	77.2	186	184.3
55	75.6	184	160.8
60	74	183	142.2
65	72.4	181	127.0
70	70.7	180	114.5
75	69	178	103.9
80	67.3	176	94.9
85	65.6	173	87.1
90	63.9	171	80.3
95	62.1	168	74.3
100	60.3	165	69.0
105	58.5	162	64.3
110	56.6	159	60.0
115	54.7	155	56.1
120	52.7	151	52.6
125	50.7	147	49.4
130	48.6	143	46.5
135	46.5	138	43.8
140	44.2	133	41.3
145	41.9	127	38.9
150	39.4	121	36.8
155	36.8	114	34.8
160	34.7	109	33.1
165	31.7	101	31.3
170	28.5	92	29.6
175	24.9	81	28.0
180	20.6	68	26.5
184 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	193	79.4
30	85.4	192	79.4
35	83.9	192	79.4
40	82.3	191	79.4
45	80.8	190	79.4
50	79.2	189	79.4
55	77.6	187	79.4
60	76	186	79.4
65	74.4	184	79.4
70	72.8	182	79.4
75	71.1	180	79.4
80	69.4	178	79.4
85	67.8	176	79.4
90	66.1	174	76.5
95	64.3	171	70.4
100	62.6	168	64.9
105	60.8	165	60.1

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
184 ft Main boom, Load fall point Boom, HPT head (2821-2)			
110	58.9	162	55.7
115	57.1	158	51.8
120	55.1	155	48.2
125	53.1	151	44.9
130	51.1	146	41.9
135	49	142	39.1
140	46.8	137	36.6
145	44.6	131	34.2
150	42.7	127	32.2
155	40.3	120	30.1
160	37.7	114	28.2
165	34.9	106	26.4
170	31.8	98	24.7
175	28.5	88	23.0
180	24.6	76	21.5
185	20	62	20.0
194 ft Main boom, Load fall point Boom, HPT head (2821-1)			
23	86	200	392.7
25	85.4	200	392.7
30	83.9	200	357.8
35	82.4	199	300.3
40	80.9	198	252.6
45	79.4	197	214.4
50	77.9	196	183.9
55	76.4	195	160.4
60	74.8	193	141.8
65	73.3	192	126.7
70	71.7	190	114.1
75	70.2	188	103.5
80	68.6	186	94.5
85	66.9	184	86.7
90	65.3	182	79.9
95	63.7	179	73.9
100	62	176	68.6
105	60.3	174	63.8
110	58.5	170	59.6
115	56.8	167	55.7
120	54.9	164	52.2
125	53.1	160	49.0
130	51.2	156	46.0
135	49.2	151	43.3
140	47.2	147	40.8
145	45.1	142	38.5
150	42.9	136	36.4
155	40.7	131	34.4
160	38.8	126	32.7
165	36.3	119	30.9
170	33.6	111	29.2
175	30.8	103	27.7
180	27.6	94	26.2
185	24.1	83	24.8
190	19.9	70	23.5

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 207.2
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
194 ft Main boom, Load fall point Boom, HPT head (2821-2)			
29	86	202	79.4
30	85.7	202	79.4
35	84.2	202	79.4
40	82.7	201	79.4
45	81.2	200	79.4
50	79.7	199	79.4
55	78.2	198	79.4
60	76.7	196	79.4
65	75.2	195	79.4
70	73.7	193	79.4
75	72.1	191	79.4
80	70.5	189	79.4
85	69	187	79.4
90	67.4	185	76.1
95	65.7	182	70.0
100	64.1	180	64.6
105	62.4	177	59.7
110	60.7	174	55.3
115	59	170	51.4
120	57.2	167	47.8
125	55.4	163	44.5
130	53.5	159	41.5
135	51.6	155	38.7
140	49.6	150	36.2
145	47.6	146	33.8
150	45.9	142	31.8
155	43.7	136	29.8
160	41.5	130	27.8
165	39.1	124	26.0
170	36.5	116	24.3
175	33.8	108	22.7
180	30.8	100	21.2
185	27.5	90	19.7
190	23.8	78	18.3
195	19.2	63	17.0
203 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	210	363.6
25	85.6	210	363.6
30	84.2	209	344.3
35	82.8	209	296.4
40	81.4	208	249.5
45	79.9	207	214.2
50	78.5	206	183.6
55	77	205	160.1
60	75.6	204	141.4
65	74.1	202	126.2
70	72.6	200	113.7
75	71.2	199	103.1
80	69.7	197	94.0
85	68.1	195	86.2
90	66.6	192	79.4
95	65	190	73.4
100	63.5	188	68.1
105	61.9	185	63.3
110	60.2	182	59.0
115	58.6	179	55.1
120	56.9	176	51.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
203 ft Main boom, Load fall point Boom, HPT head (2821-1)			
125	55.2	172	48.4
130	53.4	168	45.5
135	51.6	164	42.8
140	49.8	160	40.3
145	47.9	156	38.0
150	45.9	151	35.8
155	43.8	146	33.8
160	42.2	141	32.1
165	40	135	30.4
170	37.7	129	28.7
175	35.3	122	27.2
180	32.7	114	25.7
185	29.9	105	24.3
190	26.8	96	23.0
195	23.3	84	21.7
200	19.2	71	20.5
203 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	86	212	79.4
30	85.9	212	79.4
35	84.5	212	79.4
40	83.1	211	79.4
45	81.7	210	79.4
50	80.2	209	79.4
55	78.8	208	79.4
60	77.4	206	79.4
65	75.9	205	79.4
70	74.5	203	79.4
75	73	202	79.4
80	71.5	200	79.4
85	70	198	79.4
90	68.5	196	75.6
95	67	193	69.5
100	65.5	191	64.1
105	63.9	188	59.2
110	62.3	185	54.8
115	60.6	182	50.9
120	59	179	47.3
125	57.3	176	44.0
130	55.6	172	41.0
135	53.8	168	38.2
140	52	164	35.7
145	50.5	160	33.4
150	48.6	156	31.3
155	46.7	151	29.3
160	44.6	145	27.3
165	42.5	140	25.5
170	40.3	133	23.8
175	37.9	126	22.2
180	35.5	119	20.7
185	32.8	111	19.3
190	29.9	102	17.9
195	26.7	91	16.6
200	23	79	15.4
205	18.5	64	14.1

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
213 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	220	66.4
25	85.8	220	337.2
30	84.5	219	328.2
35	83.1	219	292.6
40	81.8	218	246.6
45	80.4	217	212.2
50	79	216	183.3
55	77.7	215	159.8
60	76.3	214	141.1
65	74.9	212	125.9
70	73.5	211	113.3
75	72.1	209	102.7
80	70.6	207	93.7
85	69.2	205	85.9
90	67.7	203	79.1
95	66.3	201	73.1
100	64.8	199	67.7
105	63.3	196	63.0
110	61.7	193	58.7
115	60.2	190	54.8
120	58.6	187	51.3
125	57	184	48.1
130	55.4	181	45.2
135	53.7	177	42.5
140	52	173	40.0
145	50.2	169	37.7
150	48.4	164	35.5
155	46.6	160	33.5
160	45.1	156	31.8
165	43.1	150	30.1
170	41.1	145	28.4
175	38.9	138	26.9
180	36.7	132	25.4
185	34.3	124	24.0
190	31.8	116	22.7
195	29	108	21.5
200	26	98	20.3
205	22.6	86	19.1
210	18.6	72	18.1
213 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	86	222	79.4
35	84.7	221	79.4
40	83.4	221	79.4
45	82	220	79.4
50	80.7	219	79.4
55	79.3	218	79.4
60	78	216	79.4
65	76.6	215	79.4
70	75.2	214	79.4
75	73.8	212	79.4
80	72.4	210	79.4
85	71	208	79.4
90	69.6	206	75.3
95	68.1	204	69.2
100	66.7	202	63.8
105	65.2	199	58.9
110	63.7	197	54.5
115	62.1	194	50.6
120	60.6	191	47.0
125	59	188	43.7
130	57.4	184	40.7
135	55.8	180	37.9

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 207.2
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
213 ft Main boom, Load fall point Boom, HPT head (2821-2)			
140	54.1	176	35.4
145	52.7	173	33.2
150	51	169	31.0
155	49.2	164	29.0
160	47.3	160	27.1
165	45.4	154	25.3
170	43.4	149	23.6
175	41.4	143	22.0
180	39.2	136	20.5
185	36.9	129	19.0
190	34.5	122	17.7
195	31.9	113	16.4
200	29	104	15.2
205	25.9	93	14.0
210	22.3	80	12.9
215	17.9	64	11.7
223 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	86	230	66.4
30	84.7	229	311.2
35	83.4	229	288.8
40	82.1	228	243.5
45	80.8	227	209.7
50	79.5	226	183.0
55	78.2	225	159.4
60	76.9	224	140.7
65	75.6	222	125.5
70	74.2	221	112.9
75	72.9	220	102.3
80	71.5	218	93.2
85	70.2	216	85.4
90	68.8	214	78.6
95	67.4	212	72.5
100	66	210	67.2
105	64.6	207	62.4
110	63.1	205	58.2
115	61.6	202	54.3
120	60.2	199	50.8
125	58.7	196	47.6
130	57.1	193	44.6
135	55.6	189	41.9
140	54	186	39.4
145	52.3	182	37.1
150	50.7	178	35.0
155	49.3	174	33.1
160	47.6	170	31.3
165	45.8	165	29.5
170	44	160	27.9
175	42	154	26.3
180	40	148	24.9
185	38	142	23.5
190	35.8	135	22.2
195	33.4	127	20.9
200	31	119	19.8
205	28.3	110	18.6
210	25.3	99	17.6
215	22	87	16.5
220	18	73	15.5

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
223 ft Main boom, Load fall point Boom, HPT head (2821-2)			
31	86	232	79.4
35	85	231	79.4
40	83.7	231	79.4
45	82.4	230	79.4
50	81.1	229	79.4
55	79.8	228	79.4
60	78.5	227	79.4
65	77.2	225	79.4
70	75.9	224	79.4
75	74.5	222	79.4
80	73.2	221	79.4
85	71.9	219	79.4
90	70.5	217	74.9
95	69.1	215	68.7
100	67.8	213	63.3
105	66.4	210	58.4
110	64.9	208	54.1
115	63.5	205	50.1
120	62	202	46.5
125	60.5	199	43.2
130	59	196	40.2
135	57.5	192	37.4
140	55.9	189	34.9
145	54.7	186	32.7
150	53	182	30.5
155	51.4	178	28.5
160	49.7	173	26.5
165	47.9	168	24.7
170	46.1	163	23.1
175	44.3	158	21.5
180	42.3	152	20.0
185	40.3	146	18.5
190	38.2	139	17.2
195	35.9	132	15.9
200	33.6	124	14.7
205	31	115	13.5
210	28.2	106	12.4
215	25.1	95	11.4
220	21.6	82	10.3
225	17.2	65	9.3
233 ft Main boom, Load fall point Boom, HPT head (2821-1)			
26	86	240	66.4
30	85	239	294.7
35	83.7	238	277.8
40	82.5	238	240.5
45	81.2	237	207.1
50	80	236	181.2
55	78.7	235	159.0
60	77.5	234	140.3
65	76.2	233	125.1
70	74.9	231	112.5
75	73.6	230	101.8
80	72.3	228	92.8
85	71	226	84.9
90	69.7	225	78.1
95	68.4	223	72.1
100	67.1	220	66.7
105	65.7	218	62.0
110	64.3	216	57.7
115	63	213	53.8
120	61.6	210	50.3
125	60.1	208	47.1
130	58.7	204	44.1
135	57.2	201	41.4
140	55.7	198	38.9

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
233 ft Main boom, Load fall point Boom, HPT head (2821-1)			
145	54.2	194	36.6
150	52.7	190	34.5
155	51.4	187	32.7
160	49.8	183	30.8
165	48.2	178	29.0
170	46.5	174	27.4
175	44.7	168	25.9
180	42.9	163	24.4
185	41	157	23.0
190	39.1	151	21.7
195	37	145	20.5
200	34.9	137	19.3
205	32.6	130	18.2
210	30.2	121	17.1
215	27.6	112	16.1
220	24.7	101	15.1
225	21.4	89	14.2
233 ft Main boom, Load fall point Boom, HPT head (2821-2)			
32	86	242	79.4
35	85.2	241	79.4
40	83.9	241	79.4
45	82.7	240	79.4
50	81.5	239	79.4
55	80.2	238	79.4
60	79	237	79.4
65	77.7	236	79.4
70	76.5	234	79.4
75	75.2	233	79.4
80	73.9	231	79.4
85	72.7	229	79.3
90	71.4	228	74.5
95	70	226	68.3
100	68.8	223	62.9
105	67.4	221	58.0
110	66.1	219	53.6
115	64.7	216	49.7
120	63.3	214	46.1
125	61.9	211	42.8
130	60.5	208	39.8
135	59	204	37.0
140	57.6	201	34.4
145	56.4	198	32.3
150	54.9	194	30.1
155	53.3	191	28.0
160	51.8	186	26.1
165	50.1	182	24.3
170	48.5	177	22.6
175	46.8	172	21.0
180	45	167	19.5
185	43.2	162	18.1
190	41.3	156	16.8
195	39.3	149	15.5
200	37.2	142	14.3
205	35	135	13.1
210	32.7	127	12.0
215	30.2	118	11.0
220	27.5	108	10.0
225	24.5	96	9.0
230	21	83	8.1
235	16.7	66	7.1

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 207.2
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
243 ft Main boom, Load fall point Boom, HPT head (2821-1)			
26	86	249	273.2
30	85.2	249	273.2
35	84	248	261.0
40	82.8	248	237.5
45	81.6	247	204.6
50	80.4	246	179.0
55	79.2	245	158.6
60	78	244	139.9
65	76.8	243	124.6
70	75.5	242	112.0
75	74.3	240	101.4
80	73.1	239	92.3
85	71.8	237	84.4
90	70.6	235	77.6
95	69.3	233	71.6
100	68	231	66.2
105	66.8	229	61.4
110	65.5	227	57.1
115	64.1	224	53.3
120	62.8	222	49.7
125	61.5	219	46.5
130	60.1	216	43.6
135	58.7	213	40.9
140	57.3	210	38.4
145	55.9	206	36.1
150	54.4	203	33.9
155	53.3	200	32.1
160	51.8	196	30.2
165	50.2	192	28.5
170	48.7	187	26.8
175	47	182	25.3
180	45.4	178	23.8
185	43.7	172	22.4
190	41.9	167	21.1
195	40.1	161	19.9
200	38.2	154	18.7
205	36.2	148	17.6
210	34.1	140	16.6
215	31.8	132	15.6
220	29.5	123	14.6
225	26.9	114	13.7
230	24	103	12.8
235	20.8	90	11.9
243 ft Main boom, Load fall point Boom, HPT head (2821-2)			
32	86	252	79.4
35	85.4	251	79.4
40	84.2	250	79.4
45	83	250	79.4
50	81.8	249	79.4
55	80.6	248	79.4
60	79.4	247	79.4
65	78.2	246	79.4
70	77	244	79.4
75	75.8	243	79.4
80	74.6	241	79.4
85	73.4	240	79.4
90	72.1	238	74.0
95	70.9	236	67.8
100	69.7	234	62.4
105	68.4	232	57.5
110	67.1	230	53.1
115	65.8	227	49.2
120	64.5	225	45.5
125	63.2	222	42.3
130	61.8	219	39.2

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
243 ft Main boom, Load fall point Boom, HPT head (2821-2)			
135	60.5	216	36.5
140	59.1	213	33.9
145	58	210	31.8
150	56.5	207	29.5
155	55.1	203	27.5
160	53.6	199	25.6
165	52.1	195	23.8
170	50.5	191	22.1
175	49	186	20.5
180	47.3	181	19.0
185	45.7	176	17.6
190	43.9	171	16.2
195	42.2	165	15.0
200	40.3	159	13.8
205	38.4	152	12.6
210	36.3	145	11.5
215	34.2	137	10.5
220	31.9	129	9.5
225	29.5	120	8.5
230	26.8	109	7.6
235	23.8	98	6.7
240	20.4	84	5.8
245	16.1	66	4.9
253 ft Main boom, Load fall point Boom, HPT head (2821-1)			
27	86	259	257.6
30	85.3	259	257.6
35	84.2	258	252.9
40	83.1	258	234.5
45	81.9	257	202.2
50	80.8	256	176.9
55	79.6	255	156.7
60	78.5	254	139.5
65	77.3	253	124.3
70	76.1	252	111.6
75	74.9	250	101.0
80	73.8	249	91.9
85	72.6	247	84.1
90	71.4	246	77.2
95	70.2	244	71.2
100	68.9	242	65.8
105	67.7	240	61.1
110	66.5	238	56.8
115	65.2	235	52.9
120	64	233	49.4
125	62.7	230	46.1
130	61.4	227	43.2
135	60.1	224	40.5
140	58.7	221	38.0
145	57.4	218	35.7
150	56	215	33.5
155	54.9	212	31.7
160	53.5	208	29.8
165	52.1	204	28.1

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
253 ft Main boom, Load fall point Boom, HPT head (2821-1)			
170	50.6	200	26.4
175	49.1	196	24.9
180	47.6	191	23.4
185	46	186	22.1
190	44.4	181	20.8
195	42.7	176	19.6
200	41	170	18.4
205	39.2	164	17.3
210	37.3	157	16.2
215	35.3	150	15.2
220	33.3	143	14.3
225	31.1	135	13.3
230	28.8	126	12.5
235	26.2	116	11.6
240	23.4	104	10.8
245	20.3	91	10.0
253 ft Main boom, Load fall point Boom, HPT head (2821-2)			
33	86	261	79.4
35	85.5	261	79.4
40	84.4	260	79.4
45	83.3	260	79.4
50	82.1	259	79.4
55	81	258	79.4
60	79.9	257	79.4
65	78.7	256	79.4
70	77.6	254	79.4
75	76.4	253	79.4
80	75.2	252	79.4
85	74	250	79.4
90	72.9	248	73.6
95	71.7	247	67.5
100	70.5	245	62.1
105	69.3	243	57.2
110	68.1	240	52.8
115	66.8	238	48.8
120	65.6	236	45.2
125	64.3	233	41.9
130	63	230	38.9
135	61.7	228	36.1
140	60.4	225	33.5
145	59.4	222	31.4
150	58	219	29.2
155	56.6	215	27.1
160	55.3	212	25.2
165	53.8	208	23.4
170	52.4	204	21.7
175	50.9	199	20.1
180	49.4	195	18.6
185	47.9	190	17.2
190	46.3	185	15.9
195	44.6	180	14.6
200	42.9	174	13.4
205	41.2	168	12.3
210	39.4	162	11.2
215	37.5	155	10.2
220	35.5	148	9.2
225	33.4	140	8.2
230	31.2	131	7.3
235	28.7	122	6.4
240	26.1	111	5.6
245	23.2	99	4.7
250	19.8	85	3.9

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 207.2
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
262 ft Main boom, Load fall point Boom, HPT head (2821-1)			
28	86	269	239.9
30	85.5	269	239.9
35	84.4	268	237.6
40	83.3	268	231.5
45	82.2	267	199.7
50	81.1	266	174.8
55	80	265	154.8
60	78.9	264	138.4
65	77.8	263	123.9
70	76.7	262	111.2
75	75.5	261	100.5
80	74.4	259	91.4
85	73.2	258	83.6
90	72.1	256	76.7
95	70.9	254	70.7
100	69.8	252	65.3
105	68.6	250	60.5
110	67.4	248	56.2
115	66.2	246	52.3
120	65	244	48.8
125	63.8	241	45.6
130	62.6	239	42.6
135	61.3	236	39.9
140	60.1	233	37.4
145	58.8	230	35.1
150	57.8	227	33.2
155	56.4	224	31.1
160	55.1	220	29.3
165	53.8	217	27.5
170	52.4	213	25.9
175	51	209	24.3
180	49.5	205	22.9
185	48.1	200	21.5
190	46.6	195	20.2
195	45	190	19.0
200	43.4	185	17.8
205	41.8	179	16.7
210	40.1	173	15.7
215	38.3	167	14.7
220	36.5	160	13.7
225	34.6	153	12.8
230	32.6	145	11.9
235	30.4	137	11.1
240	28.1	128	10.3
245	25.6	117	9.5
250	22.9	106	8.7
255	19.8	92	8.0
262 ft Main boom, Load fall point Boom, HPT head (2821-2)			
34	86	271	79.4
35	85.7	271	79.4
40	84.6	270	79.4
45	83.5	270	79.4
50	82.4	269	79.4
55	81.3	268	79.4
60	80.2	267	79.4
65	79.1	266	79.4
70	78	265	79.4
75	76.9	263	79.4
80	75.8	262	79.4
85	74.7	260	79.4
90	73.5	259	73.2
95	72.4	257	67.0
100	71.3	255	61.6
105	70.1	253	56.7
110	68.9	251	52.3

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
262 ft Main boom, Load fall point Boom, HPT head (2821-2)			
115	67.7	249	48.3
120	66.6	247	44.7
125	65.3	244	41.4
130	64.1	242	38.4
135	62.9	239	35.6
140	61.9	237	33.2
145	60.6	234	30.9
150	59.4	230	28.7
155	58.1	227	26.6
160	56.8	224	24.7
165	55.4	220	22.9
170	54.1	216	21.2
175	52.7	212	19.6
180	51.3	208	18.1
185	49.8	204	16.7
190	48.3	199	15.4
195	46.8	194	14.1
200	45.3	189	12.9
205	43.7	183	11.8
210	42	178	10.7
215	40.3	172	9.6
220	38.5	165	8.6
225	36.7	158	7.7
230	34.7	150	6.8
235	32.6	142	5.9
240	30.4	133	5.1
245	28.1	124	4.3
250	25.5	113	3.5
255	22.6	100	2.7
272 ft Main boom, Load fall point Boom, HPT head (2821-1)			
28	86	279	222.0
30	85.7	279	222.0
35	84.6	278	221.2
40	83.6	278	219.0
45	82.5	277	197.1
50	81.4	276	172.6
55	80.4	275	152.9
60	79.3	274	136.7
65	78.2	273	123.1
70	77.1	272	110.8
75	76.1	271	100.1
80	75	269	91.0
85	73.9	268	83.1
90	72.8	266	76.2
95	71.7	265	70.2
100	70.5	263	64.8
105	69.4	261	60.0
110	68.3	259	55.7
115	67.1	257	51.8
120	66	255	48.3
125	64.8	252	45.1
130	63.6	250	42.1
135	62.5	247	39.4
140	61.3	244	36.9
145	60	241	34.6
150	59.1	239	32.7
155	57.8	236	30.6
160	56.6	232	28.8
165	55.3	229	27.0
170	54	225	25.4
175	52.6	222	23.8
180	51.3	218	22.4
185	49.9	213	21.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
272 ft Main boom, Load fall point Boom, HPT head (2821-1)			
190	48.5	209	19.7
195	47.1	204	18.5
200	45.6	199	17.3
205	44.1	194	16.2
210	42.5	189	15.2
215	40.9	183	14.2
220	39.3	177	13.2
225	37.5	170	12.3
230	35.7	163	11.4
235	33.9	156	10.6
240	31.9	148	9.8
245	29.8	139	9.0
250	27.5	130	8.3
255	25.1	119	7.5
260	22.4	107	6.8
265	19.3	94	6.2
282 ft Main boom, Load fall point Boom, HPT head (2821-1)			
29	86	289	205.3
30	85.8	289	205.3
35	84.8	288	204.8
40	83.8	288	202.9
45	82.8	287	194.6
50	81.7	286	170.4
55	80.7	285	150.9
60	79.7	284	134.9
65	78.6	283	121.5
70	77.6	282	110.1
75	76.6	281	99.6
80	75.5	280	90.5
85	74.5	278	82.6
90	73.4	277	75.7
95	72.3	275	69.7
100	71.3	273	64.3
105	70.2	272	59.5
110	69.1	270	55.2
115	68	268	51.3
120	66.9	265	47.8
125	65.8	263	44.5
130	64.6	261	41.6
135	63.5	258	38.9
140	62.4	256	36.4
145	61.2	253	34.0
150	60.3	250	32.1
155	59.1	248	30.1
160	57.9	244	28.2
165	56.7	241	26.4
170	55.4	238	24.8
175	54.2	234	23.2
180	52.9	230	21.8
185	51.6	226	20.4
190	50.3	222	19.1
195	48.9	218	17.9

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
Degree rating: 360 °
Foot print: 2-wide track
Counterweight [1000 lbs]: 207.2
Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
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282 ft Main boom, Load fall point Boom, HPT head (2821-1)

200	47.5	213	16.7
205	46.1	208	15.6
210	44.7	203	14.6
215	43.2	198	13.6
220	41.7	192	12.6
225	40.1	186	11.7
230	38.5	180	10.8
235	36.8	173	10.0
240	35	166	9.2
245	33.2	158	8.4
250	31.2	150	7.7
255	29.1	141	7.0
260	26.9	132	6.3
265	24.5	121	5.6
270	21.9	109	5.0
275	18.8	95	4.3

292 ft Main boom, Load fall point Boom, HPT head (2821-1)

30	86	298	66.4
30	86	298	191.3
35	85	298	191.3
40	84	297	189.5
45	83	297	188.2
50	82	296	168.3
55	81	295	149.0
60	80	294	133.2
65	79	293	119.9
70	78	292	108.7
75	77	291	99.0
80	76	290	90.1
85	75	288	82.2
90	74	287	75.3
95	72.9	285	69.3
100	71.9	284	63.9
105	70.9	282	59.1
110	69.8	280	54.8
115	68.8	278	50.9
120	67.7	276	47.3
125	66.6	274	44.1
130	65.6	272	41.2
135	64.5	269	38.4
140	63.4	267	35.9
145	62.3	264	33.6
150	61.4	262	31.7
155	60.2	259	29.6
160	59.1	256	27.8
165	57.9	253	26.0
170	56.8	250	24.4
175	55.6	246	22.8
180	54.4	242	21.4
185	53.1	239	20.0
190	51.9	235	18.7
195	50.6	231	17.5
200	49.3	226	16.3
205	48	222	15.2

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
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292 ft Main boom, Load fall point Boom, HPT head (2821-1)

210	46.6	217	14.2
215	45.3	212	13.2
220	43.8	207	12.2
225	42.4	201	11.3
230	40.9	196	10.4
235	39.3	190	9.6
240	37.7	183	8.8
245	36.1	176	8.0
250	34.3	169	7.3
255	32.5	161	6.6
260	30.6	153	5.9
265	28.6	144	5.2
270	26.4	134	4.6
275	24	123	4.0
280	21.4	110	3.4
285	18.4	96	2.8

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 163.1
 Carbody counterweight [1000 lbs]: 0.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
66 ft Main boom, Load fall point Boom, HPT head (2821-1)			
35	66.8	66	224.7
40	61.9	63	182.5
45	56.6	60	152.9
50	50.9	56	130.9
55	44.7	51	113.9
60	37.5	44	100.4
65	28.7	36	89.3
66 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	77.3	72	79.4
35	72.8	70	79.4
40	68	67	79.4
45	63.1	64	79.4
50	57.9	60	79.4
55	52.2	55	79.4
60	45.8	50	79.4
65	38.4	42	79.4
70	28.7	32	76.3
76 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	73.8	79	66.4
35	70.1	77	225.2
40	65.9	75	182.9
45	61.5	72	153.3
50	57	69	131.4
55	52.1	65	114.4
60	46.9	60	101.0
65	41.1	54	90.0
70	34.5	47	80.8
75	26.2	37	73.0
76 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	82.7	84	79.4
30	78.9	82	79.4
35	75.1	80	79.4
40	71.1	78	79.4
45	66.9	75	79.4
50	62.6	72	79.4
55	58.1	68	79.4
60	53.2	64	79.4
65	47.9	59	79.4
70	42	52	77.2
75	35	44	69.2
80	25.8	33	62.2
85 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	76	89	290.6
35	72.5	88	225.3
40	68.9	86	182.9
45	65.1	83	153.3
50	61.3	80	131.3
55	57.3	77	114.4
60	53.1	73	100.9
65	48.5	69	89.9
70	43.7	64	80.8
75	38.3	57	73.1
80	32	49	66.4
85	24.2	39	60.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
85 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	83.6	94	79.4
30	80.2	92	79.4
35	76.8	91	79.4
40	73.3	89	79.4
45	69.8	86	79.4
50	66.1	84	79.4
55	62.3	81	79.4
60	58.3	77	79.4
65	54	73	79.4
70	49.5	68	77.3
75	44.5	62	69.4
80	38.8	55	62.5
85	32.3	46	56.6
90	23.4	34	51.2
95 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	77.5	100	291.0
35	74.4	98	225.6
40	71.2	96	183.3
45	67.9	94	153.6
50	64.6	92	131.6
55	61.1	89	114.7
60	57.5	86	101.3
65	53.8	82	90.3
70	49.8	78	81.2
75	45.6	73	73.6
80	41	67	67.0
85	35.9	60	61.2
90	29.9	52	56.2
95	22.5	40	51.7
95 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	84.2	104	79.4
30	81.2	102	79.4
35	78.2	101	79.4
40	75.1	99	79.4
45	72	97	79.4
50	68.7	95	79.4
55	65.4	92	79.4
60	62	89	79.4
65	58.4	86	79.4
70	54.6	82	77.7
75	50.6	77	69.8
80	46.3	71	63.1
85	41.5	65	57.2
90	36.2	57	52.0
95	30	48	47.4
100	21.5	34	43.1

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
105 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	78.7	110	291.2
35	75.9	108	225.6
40	73	107	183.2
45	70.1	105	153.4
50	67.1	103	131.4
55	64.1	100	114.5
60	60.9	97	101.0
65	57.7	94	90.1
70	54.3	90	81.0
75	50.8	86	73.3
80	47	82	66.7
85	43	76	61.0
90	38.7	70	56.0
95	33.8	63	51.6
100	28.2	54	47.7
105	22.7	44	33.4
105 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	114	79.4
25	84.8	114	79.4
30	82.1	113	79.4
35	79.3	111	79.4
40	76.5	110	79.4
45	73.7	108	79.4
50	70.8	106	79.4
55	67.9	103	79.4
60	64.9	101	79.4
65	61.7	98	79.4
70	58.5	94	77.5
75	55.1	90	69.6
80	51.5	86	62.9
85	47.7	80	57.0
90	43.6	75	51.9
95	39.1	68	47.3
100	34.1	60	43.3
105	27.9	49	39.5
110	19.8	35	36.1
115 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	82.2	121	388.7
30	79.7	120	291.2
35	77.1	118	225.6
40	74.5	117	183.1
45	71.9	115	153.3
50	69.2	113	131.3
55	66.5	111	114.3
60	63.7	109	100.9
65	60.8	106	89.9
70	57.9	103	80.8
75	54.8	99	73.1
80	51.6	95	66.6
85	48.2	90	60.9
90	44.7	85	55.9
95	40.9	80	51.5
100	36.7	73	47.6
105	32	65	44.1
110	26.6	55	40.9
115	21.4	46	33.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 163.1
 Carbody counterweight [1000 lbs]: 0.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
115 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	124	79.4
25	85.2	124	79.4
30	82.7	123	79.4
35	80.2	122	79.4
40	77.7	120	79.4
45	75.1	118	79.4
50	72.5	116	79.4
55	69.9	114	79.4
60	67.2	112	79.4
65	64.4	109	79.4
70	61.5	106	77.3
75	58.6	103	69.5
80	55.5	99	62.8
85	52.3	94	56.9
90	48.9	90	51.8
95	45.2	84	47.3
100	41.3	78	43.3
105	37.1	70	39.7
110	32.2	62	36.4
115	27.8	54	33.4
120	20.4	39	30.7
125 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	82.9	131	381.7
30	80.5	130	290.6
35	78.2	129	225.5
40	75.8	127	182.9
45	73.4	126	153.1
50	70.9	124	131.0
55	68.5	122	114.0
60	65.9	120	100.5
65	63.4	117	89.5
70	60.7	114	80.4
75	58	111	72.8
80	55.2	108	66.2
85	52.3	104	60.5
90	49.2	99	55.5
95	46	94	51.2
100	42.6	89	47.3
105	39	83	43.8
110	35	76	40.6
115	30.5	67	37.7
120	25.3	57	35.1
125	20.2	47	32.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
125 ft Main boom, Load fall point Boom, HPT head (2821-2)			
24	86	134	79.4
25	85.6	134	79.4
30	83.3	133	79.4
35	81	132	79.4
40	78.7	130	79.4
45	76.3	129	79.4
50	74	127	79.4
55	71.5	125	79.4
60	69.1	123	79.4
65	66.6	120	79.4
70	64	118	77.0
75	61.4	114	69.1
80	58.7	111	62.4
85	55.8	107	56.6
90	52.9	103	51.5
95	49.8	98	47.0
100	46.6	93	43.0
105	43.1	87	39.4
110	39.3	81	36.1
115	36.2	75	33.4
120	31.7	66	30.7
125	26.3	55	28.1
130	19.1	40	25.7
134 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	83.4	141	375.0
30	81.2	140	286.4
35	79	139	225.5
40	76.9	138	182.9
45	74.6	136	153.0
50	72.4	134	130.9
55	70.1	133	113.9
60	67.8	130	100.4
65	65.5	128	89.5
70	63.1	126	80.4
75	60.6	123	72.7
80	58.1	120	66.1
85	55.5	116	60.5
90	52.8	112	55.5
95	50	108	51.1
100	47.1	103	47.2
105	44	98	43.8
110	40.8	92	40.6
115	37.3	86	37.8
120	33.4	78	35.2
125	30.1	72	33.0
130	25.2	61	30.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
134 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	144	79.4
25	85.9	143	79.4
30	83.8	143	79.4
35	81.7	142	79.4
40	79.5	140	79.4
45	77.4	139	79.4
50	75.2	137	79.4
55	72.9	136	79.4
60	70.7	134	79.4
65	68.4	131	79.4
70	66.1	129	76.9
75	63.7	126	69.1
80	61.3	123	62.4
85	58.7	120	56.6
90	56.1	116	51.5
95	53.4	112	47.0
100	50.6	107	43.0
105	47.6	102	39.4
110	44.5	97	36.2
115	42	92	33.4
120	38.4	85	30.8
125	34.6	77	28.3
130	30.2	68	26.0
135	24.9	56	23.9
140	18	40	21.8
144 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	83.8	150	368.3
30	81.8	150	282.1
35	79.8	149	225.4
40	77.8	148	182.7
45	75.7	146	152.8
50	73.6	145	130.6
55	71.5	143	113.6
60	69.4	141	100.1
65	67.3	139	89.1
70	65.1	137	80.0
75	62.8	134	72.3
80	60.5	131	65.7
85	58.2	128	60.0
90	55.8	125	55.1
95	53.3	121	50.7
100	50.7	117	46.8
105	48.1	112	43.3
110	45.3	107	40.2
115	42.3	102	37.4
120	39.2	96	34.8
125	36.5	90	32.6
130	32.9	82	30.4
135	28.8	74	28.4
140	24.1	63	26.5

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 163.1
 Carbody counterweight [1000 lbs]: 0.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
144 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	153	79.4
30	84.2	153	79.4
35	82.2	152	79.4
40	80.2	151	79.4
45	78.2	149	79.4
50	76.2	148	79.4
55	74.1	146	79.4
60	72.1	144	79.4
65	70	142	79.4
70	67.8	140	76.6
75	65.6	137	68.7
80	63.4	134	62.0
85	61.1	131	56.2
90	58.8	128	51.1
95	56.4	124	46.6
100	53.9	120	42.6
105	51.3	116	39.0
110	48.6	111	35.8
115	46.4	107	33.1
120	43.4	101	30.4
125	40.2	95	28.0
130	36.8	88	25.7
135	33.1	80	23.6
140	28.8	70	21.6
145	23.7	58	19.8
150	16.9	41	18.0
154 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	86	161	66.4
25	84.2	160	361.7
30	82.4	160	277.8
35	80.5	159	224.1
40	78.6	158	182.5
45	76.7	157	152.5
50	74.7	155	130.3
55	72.8	154	113.3
60	70.8	152	99.8
65	68.8	150	88.8
70	66.8	148	79.6
75	64.7	145	71.9
80	62.6	142	65.4
85	60.5	140	59.7
90	58.3	136	54.7
95	56	133	50.3
100	53.7	129	46.5
105	51.3	125	43.0
110	48.9	121	39.9
115	46.3	116	37.0
120	43.6	111	34.5
125	41.4	106	32.3
130	38.4	100	30.1
135	35.2	93	28.1
140	31.6	85	26.2
145	27.7	76	24.5
150	23.1	64	22.9

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
154 ft Main boom, Load fall point Boom, HPT head (2821-2)			
26	86	163	79.4
30	84.6	163	79.4
35	82.7	162	79.4
40	80.9	161	79.4
45	79	159	79.4
50	77.1	158	79.4
55	75.2	156	79.4
60	73.2	155	79.4
65	71.3	153	79.4
70	69.3	151	76.3
75	67.3	148	68.4
80	65.3	146	61.7
85	63.2	143	55.9
90	61	140	50.8
95	58.8	136	46.3
100	56.6	133	42.3
105	54.2	129	38.7
110	51.8	125	35.5
115	49.9	121	32.8
120	47.3	116	30.2
125	44.6	111	27.7
130	41.8	105	25.5
135	38.7	98	23.4
140	35.4	90	21.5
145	31.8	82	19.7
150	27.6	72	18.0
155	22.7	59	16.3
164 ft Main boom, Load fall point Boom, HPT head (2821-1)			
21	86	171	464.3
25	84.6	170	355.2
30	82.8	170	273.5
35	81	169	221.0
40	79.3	168	182.3
45	77.5	167	152.2
50	75.7	165	130.0
55	73.8	164	112.9
60	72	162	99.4
65	70.1	160	88.3
70	68.3	158	79.2
75	66.3	156	71.5
80	64.4	154	64.9
85	62.4	151	59.2
90	60.4	148	54.2
95	58.4	145	49.9
100	56.2	142	46.0
105	54.1	138	42.5
110	51.9	134	39.4
115	49.6	130	36.5
120	47.2	125	34.0
125	45.2	121	31.8
130	42.6	116	29.6
135	39.9	110	27.6
140	37	103	25.8
145	33.9	96	24.0
150	30.5	87	22.4
155	26.7	78	20.9
160	22.2	66	19.5

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
164 ft Main boom, Load fall point Boom, HPT head (2821-2)			
27	86	173	79.4
30	84.9	172	79.4
35	83.2	172	79.4
40	81.4	171	79.4
45	79.6	170	79.4
50	77.9	168	79.4
55	76.1	167	79.4
60	74.3	165	79.4
65	72.5	163	79.4
70	70.6	161	75.9
75	68.7	159	68.0
80	66.9	157	61.3
85	64.9	154	55.5
90	63	151	50.3
95	60.9	148	45.8
100	58.9	145	41.8
105	56.8	142	38.3
110	54.6	138	35.0
115	52.8	134	32.4
120	50.5	130	29.7
125	48.1	125	27.3
130	45.6	120	25.0
135	43	114	23.0
140	40.3	108	21.1
145	37.3	101	19.3
150	34.1	93	17.6
155	30.6	84	16.0
160	26.5	73	14.5
165	21.7	60	13.1
174 ft Main boom, Load fall point Boom, HPT head (2821-1)			
22	86	181	432.3
25	84.9	180	348.9
30	83.2	180	269.4
35	81.6	179	218.0
40	79.9	178	182.1
45	78.2	177	152.0
50	76.5	176	129.8
55	74.8	174	112.7
60	73.1	173	99.1
65	71.3	171	88.1
70	69.6	169	78.9
75	67.8	167	71.2
80	66	165	64.7
85	64.1	162	59.0
90	62.3	160	54.0
95	60.4	157	49.6
100	58.4	154	45.7
105	56.4	150	42.3
110	54.4	146	39.1
115	52.3	143	36.3
120	50.2	138	33.7
125	48.4	135	31.6
130	46.1	130	29.4
135	43.7	125	27.4
140	41.2	119	25.6
145	38.6	113	23.9
150	35.8	106	22.3
155	32.8	98	20.8
160	29.5	90	19.4
165	25.7	79	18.1
170	21.4	67	16.8

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 163.1
 Carbody counterweight [1000 lbs]: 0.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
174 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	183	79.4
30	85.2	182	79.4
35	83.5	182	79.4
40	81.9	181	79.4
45	80.2	180	79.4
50	78.6	178	79.4
55	76.9	177	79.4
60	75.2	176	79.4
65	73.5	174	79.4
70	71.7	172	75.7
75	70	170	67.8
80	68.3	168	61.1
85	66.5	165	55.2
90	64.6	163	50.1
95	62.8	160	45.6
100	60.8	157	41.6
105	58.9	154	38.1
110	56.9	150	34.8
115	55.3	147	32.2
120	53.2	143	29.5
125	51.1	139	27.1
130	48.9	134	24.9
135	46.5	129	22.8
140	44.1	123	20.9
145	41.6	117	19.1
150	38.9	111	17.5
155	36	103	15.9
160	32.9	95	14.5
165	29.5	86	13.1
170	25.5	75	11.8
175	20.8	61	10.5
184 ft Main boom, Load fall point Boom, HPT head (2821-1)			
22	86	190	404.3
25	85.2	190	342.7
30	83.6	190	265.3
35	82	189	215.0
40	80.4	188	179.6
45	78.8	187	151.8
50	77.2	186	129.5
55	75.6	184	112.3
60	74	183	98.7
65	72.4	181	87.7
70	70.7	180	78.5
75	69	178	70.8
80	67.3	176	64.2
85	65.6	173	58.5
90	63.9	171	53.5
95	62.1	168	49.1
100	60.3	165	45.2
105	58.5	162	41.8
110	56.6	159	38.6
115	54.7	155	35.8
120	53.1	152	33.4
125	51.1	148	31.1
130	49.1	144	28.9
135	46.9	139	26.9
140	44.7	134	25.1
145	42.4	128	23.4
150	40	122	21.8
155	37.4	116	20.3
160	34.7	109	18.9
165	31.7	101	17.6
170	28.5	92	16.4
175	24.9	81	15.2
180	20.6	68	14.1

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
184 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	193	79.4
30	85.4	192	79.4
35	83.9	192	79.4
40	82.3	191	79.4
45	80.8	190	79.4
50	79.2	189	79.4
55	77.6	187	79.4
60	76	186	79.4
65	74.4	184	79.4
70	72.8	182	75.3
75	71.1	180	67.4
80	69.5	178	60.7
85	67.8	176	54.8
90	66.1	174	49.7
95	64.3	171	45.2
100	62.6	168	41.2
105	60.8	165	37.6
110	58.9	162	34.4
115	57.5	159	31.7
120	55.5	156	29.1
125	53.6	152	26.6
130	51.6	147	24.4
135	49.5	143	22.3
140	47.3	138	20.4
145	45.1	132	18.7
150	42.7	127	17.0
155	40.3	120	15.5
160	37.7	114	14.0
165	34.9	106	12.7
170	31.8	98	11.4
175	28.5	88	10.2
180	24.6	76	9.0
185	20	62	7.8
194 ft Main boom, Load fall point Boom, HPT head (2821-1)			
23	86	200	379.0
25	85.4	200	336.5
30	83.9	200	261.1
35	82.4	199	211.8
40	80.9	198	177.2
45	79.4	197	151.4
50	77.9	196	129.1
55	76.4	195	112.0
60	74.8	193	98.4
65	73.3	192	87.3
70	71.7	190	78.1
75	70.2	188	70.4
80	68.6	186	63.8
85	66.9	184	58.1
90	65.3	182	53.1
95	63.7	179	48.7
100	62	176	44.8
105	60.3	174	41.3
110	58.5	170	38.2

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
194 ft Main boom, Load fall point Boom, HPT head (2821-1)			
115	56.8	167	35.4
120	55.3	164	33.0
125	53.5	161	30.6
130	51.6	157	28.5
135	49.6	152	26.5
140	47.6	148	24.7
145	45.6	143	22.9
150	43.4	138	21.4
155	41.2	132	19.9
160	38.8	126	18.5
165	36.3	119	17.2
170	33.6	111	16.0
175	30.8	103	14.8
180	27.6	94	13.7
185	24.1	83	12.7
190	19.9	70	11.7
194 ft Main boom, Load fall point Boom, HPT head (2821-2)			
29	86	202	79.4
30	85.7	202	79.4
35	84.2	202	79.4
40	82.7	201	79.4
45	81.2	200	79.4
50	79.7	199	79.4
55	78.2	198	79.4
60	76.7	196	79.4
65	75.2	195	79.4
70	73.7	193	75.0
75	72.1	191	67.0
80	70.6	189	60.3
85	69	187	54.4
90	67.4	185	49.3
95	65.8	182	44.8
100	64.1	180	40.8
105	62.4	177	37.2
110	60.7	174	34.0
115	59.3	171	31.3
120	57.6	168	28.7
125	55.7	164	26.2
130	53.9	160	24.0
135	52	156	22.0
140	50	152	20.1
145	48	147	18.3
150	45.9	142	16.7
155	43.7	136	15.1
160	41.5	130	13.7
165	39.1	124	12.3
170	36.5	116	11.1
175	33.8	108	9.9
180	30.8	100	8.7
185	27.5	90	7.6
190	23.8	78	6.6
195	19.2	63	5.5

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 163.1
 Carbody counterweight [1000 lbs]: 0.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
203 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	210	356.5
25	85.6	210	330.5
30	84.2	209	257.0
35	82.8	209	208.8
40	81.4	208	174.7
45	79.9	207	149.3
50	78.5	206	128.8
55	77	205	111.6
60	75.6	204	98.0
65	74.1	202	86.9
70	72.6	200	77.7
75	71.2	199	69.9
80	69.7	197	63.3
85	68.1	195	57.6
90	66.6	192	52.6
95	65	190	48.2
100	63.5	188	44.3
105	61.9	185	40.8
110	60.2	182	37.7
115	58.6	179	34.8
120	57.3	176	32.5
125	55.5	173	30.1
130	53.8	169	27.9
135	52	165	25.9
140	50.2	161	24.1
145	48.3	157	22.4
150	46.3	152	20.8
155	44.3	147	19.3
160	42.2	141	18.0
165	40	135	16.7
170	37.7	129	15.4
175	35.3	122	14.3
180	32.7	114	13.2
185	29.9	105	12.2
190	26.8	96	11.2
195	23.3	84	10.3
200	19.2	71	9.4
203 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	86	212	79.4
30	85.9	212	79.4
35	84.5	212	79.4
40	83.1	211	79.4
45	81.7	210	79.4
50	80.2	209	79.4
55	78.8	208	79.4
60	77.4	206	79.4
65	75.9	205	79.4
70	74.5	203	74.6
75	73	202	66.6
80	71.6	200	59.9
85	70.1	198	54.0
90	68.6	196	48.9
95	67	193	44.3
100	65.5	191	40.3
105	63.9	188	36.7
110	62.3	185	33.5
115	61	183	30.8
120	59.3	180	28.2
125	57.7	176	25.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
203 ft Main boom, Load fall point Boom, HPT head (2821-2)			
130	55.9	173	23.5
135	54.2	169	21.4
140	52.4	165	19.5
145	50.5	160	17.8
150	48.6	156	16.1
155	46.7	151	14.6
160	44.6	145	13.2
165	42.5	140	11.8
170	40.3	133	10.6
175	37.9	126	9.4
180	35.5	119	8.2
185	32.8	111	7.2
190	29.9	102	6.1
195	26.7	91	5.2
200	23	79	4.2
205	18.5	64	3.3
213 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	220	66.4
25	85.8	220	324.6
30	84.5	219	253.0
35	83.1	219	205.8
40	81.8	218	172.3
45	80.4	217	147.4
50	79	216	128.0
55	77.7	215	111.3
60	76.3	214	97.6
65	74.9	212	86.5
70	73.5	211	77.3
75	72.1	209	69.6
80	70.6	207	63.0
85	69.2	205	57.2
90	67.7	203	52.3
95	66.3	201	47.9
100	64.8	199	44.0
105	63.3	196	40.5
110	61.7	193	37.3
115	60.2	190	34.5
120	59	188	32.1
125	57.4	185	29.8
130	55.7	182	27.6
135	54.1	178	25.6
140	52.4	174	23.8
145	50.6	170	22.1
150	48.8	165	20.5
155	47	161	19.0
160	45.1	156	17.7
165	43.1	150	16.4
170	41.1	145	15.1
175	38.9	138	14.0
180	36.7	132	12.9
185	34.3	124	11.9
190	31.8	116	10.9
195	29	108	10.0
200	26	98	9.1
205	22.6	86	8.3
210	18.6	72	7.5

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
213 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	86	222	79.4
35	84.7	221	79.4
40	83.4	221	79.4
45	82	220	79.4
50	80.7	219	79.4
55	79.3	218	79.4
60	78	216	79.4
65	76.6	215	79.4
70	75.2	214	74.3
75	73.9	212	66.4
80	72.5	210	59.6
85	71	208	53.7
90	69.6	206	48.6
95	68.1	204	44.0
100	66.7	202	40.0
105	65.2	199	36.4
110	64	197	33.4
115	62.5	194	30.5
120	60.9	191	27.9
125	59.3	188	25.4
130	57.7	185	23.2
135	56.1	181	21.1
140	54.4	177	19.2
145	52.7	173	17.5
150	51	169	15.9
155	49.2	164	14.3
160	47.3	160	12.9
165	45.4	154	11.6
170	43.4	149	10.3
175	41.4	143	9.1
180	39.2	136	8.0
185	36.9	129	6.9
190	34.5	122	5.9
195	31.9	113	5.0
200	29	104	4.0
205	25.9	93	3.1
210	22.3	80	2.3
223 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	86	230	66.4
30	84.7	229	249.0
35	83.4	229	202.8
40	82.1	228	169.9
45	80.8	227	145.3
50	79.5	226	126.2
55	78.2	225	111.0
60	76.9	224	97.3
65	75.6	222	86.1
70	74.2	221	76.9
75	72.9	220	69.1
80	71.5	218	62.5
85	70.2	216	56.8
90	68.8	214	51.8
95	67.4	212	47.3
100	66	210	43.4
105	64.6	207	39.9
110	63.1	205	36.8
115	61.6	202	34.0
120	60.5	200	31.6
125	59	197	29.2
130	57.5	193	27.1
135	55.9	190	25.1
140	54.3	186	23.2

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 163.1
 Carbody counterweight [1000 lbs]: 0.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
223 ft Main boom, Load fall point Boom, HPT head (2821-1)			
145	52.7	182	21.5
150	51	178	20.0
155	49.3	174	18.5
160	47.6	170	17.1
165	45.8	165	15.8
170	44	160	14.6
175	42	154	13.5
180	40	148	12.4
185	38	142	11.4
190	35.8	135	10.4
195	33.4	127	9.5
200	31	119	8.6
205	28.3	110	7.8
210	25.3	99	7.0
215	22	87	6.2
220	18	73	5.5
233 ft Main boom, Load fall point Boom, HPT head (2821-1)			
26	86	240	66.4
30	85	239	245.0
35	83.7	238	199.7
40	82.5	238	167.4
45	81.2	237	143.2
50	80	236	124.4
55	78.7	235	109.3
60	77.5	234	96.9
65	76.2	233	85.7
70	74.9	231	76.5
75	73.6	230	68.7
80	72.3	228	62.1
85	71	226	56.3
90	69.7	225	51.3
95	68.4	223	46.9
100	67.1	220	43.0
105	65.7	218	39.5
110	64.3	216	36.3
115	63	213	33.5
120	61.9	211	31.1
125	60.4	208	28.8
130	59	205	26.6
135	57.5	202	24.6
140	56.1	198	22.8
145	54.5	195	21.1
150	53	191	19.5
155	51.4	187	18.0
160	49.8	183	16.6
165	48.2	178	15.3
170	46.5	174	14.1
175	44.7	168	13.0
180	42.9	163	11.9
185	41	157	10.9
190	39.1	151	9.9
195	37	145	9.0
200	34.9	137	8.2
205	32.6	130	7.3
210	30.2	121	6.6
215	27.6	112	5.8
220	24.7	101	5.1
225	21.4	89	4.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
243 ft Main boom, Load fall point Boom, HPT head (2821-1)			
26	86	249	273.2
30	85.2	249	241.1
35	84	248	196.7
40	82.8	248	165.0
45	81.6	247	141.1
50	80.4	246	122.5
55	79.2	245	107.7
60	78	244	95.5
65	76.8	243	85.3
70	75.5	242	76.0
75	74.3	240	68.2
80	73.1	239	61.6
85	71.8	237	55.8
90	70.6	235	50.8
95	69.3	233	46.4
100	68	231	42.4
105	66.8	229	38.9
110	65.5	227	35.8
115	64.4	225	33.2
120	63.1	222	30.6
125	61.8	220	28.2
130	60.4	217	26.0
135	59	214	24.1
140	57.6	210	22.2
145	56.2	207	20.5
150	54.7	203	18.9
155	53.3	200	17.4
160	51.8	196	16.1
165	50.2	192	14.8
170	48.7	187	13.6
175	47	182	12.4
180	45.4	178	11.3
185	43.7	172	10.3
190	41.9	167	9.4
195	40.1	161	8.5
200	38.2	154	7.6
205	36.2	148	6.8
210	34.1	140	6.0
215	31.8	132	5.2
220	29.5	123	4.5
225	26.9	114	3.8
230	24	103	3.2
235	20.8	90	2.5

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 119.0
 Carbody counterweight [1000 lbs]: 0.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
66 ft Main boom, Load fall point Boom, HPT head (2821-1)			
14	86	73	66.4
15	85.2	72	603.2
20	80.8	72	471.3
25	76.2	70	328.5
30	71.6	68	235.2
35	66.8	66	181.8
40	61.9	63	147.1
45	56.6	60	122.8
50	50.9	56	104.8
55	44.7	51	90.8
60	37.5	44	79.7
65	28.7	36	70.5
66 ft Main boom, Load fall point Boom, HPT head (2821-2)			
20	86	75	79.4
25	81.7	74	79.4
30	77.3	72	79.4
35	72.8	70	79.4
40	68	67	79.4
45	63.1	64	79.4
50	57.9	60	79.4
55	52.2	55	79.4
60	45.8	50	76.6
65	38.4	42	67.2
70	28.3	31	59.1
76 ft Main boom, Load fall point Boom, HPT head (2821-1)			
15	86	82	66.4
15	85.8	82	634.5
20	82	82	471.1
25	78.1	80	329.2
30	74.1	79	235.7
35	70.1	77	182.2
40	65.9	75	147.6
45	61.5	72	123.2
50	57	69	105.2
55	52.1	65	91.3
60	46.9	60	80.2
65	41.1	54	71.2
70	34.5	47	63.6
75	26.2	37	57.1
76 ft Main boom, Load fall point Boom, HPT head (2821-2)			
21	86	85	79.4
25	82.7	84	79.4
30	78.9	82	79.4
35	75.1	80	79.4
40	71.1	78	79.4
45	66.9	75	79.4
50	62.6	72	79.4
55	58.1	68	79.4
60	53.2	64	77.2
65	47.9	59	67.8
70	41.9	52	60.0
75	35	44	53.4
80	25.8	33	47.5

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
85 ft Main boom, Load fall point Boom, HPT head (2821-1)			
15	86	92	66.4
20	82.9	92	470.3
25	79.5	91	329.7
30	76	89	236.0
35	72.5	88	182.3
40	68.9	86	147.6
45	65.1	83	123.2
50	61.3	80	105.2
55	57.3	77	91.2
60	53.1	73	80.2
65	48.5	69	71.2
70	43.7	64	63.6
75	38.3	57	57.3
80	32	49	51.8
85	24.2	39	47.0
85 ft Main boom, Load fall point Boom, HPT head (2821-2)			
21	86	94	79.4
25	83.6	94	79.4
30	80.2	92	79.4
35	76.8	91	79.4
40	73.3	89	79.4
45	69.8	86	79.4
50	66.1	84	79.4
55	62.3	81	79.4
60	58.3	77	77.1
65	54	73	67.8
70	49.4	68	60.1
75	44.4	62	53.5
80	38.9	55	47.9
85	32.3	46	42.9
90	23.4	34	38.4
95 ft Main boom, Load fall point Boom, HPT head (2821-1)			
16	86	102	587.7
20	83.7	102	470.5
25	80.6	101	327.7
30	77.5	100	236.4
35	74.4	98	182.7
40	71.2	96	147.9
45	67.9	94	123.5
50	64.6	92	105.5
55	61.1	89	91.6
60	57.5	86	80.5
65	53.8	82	71.5
70	49.8	78	64.1
75	45.6	73	57.7
80	41	67	52.3
85	35.9	60	47.6
90	29.9	52	43.4
95	22.5	40	39.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
95 ft Main boom, Load fall point Boom, HPT head (2821-2)			
22	86	104	79.4
25	84.2	104	79.4
30	81.2	102	79.4
35	78.2	101	79.4
40	75.1	99	79.4
45	72	97	79.4
50	68.7	95	79.4
55	65.4	92	79.4
60	62	89	77.4
65	58.4	86	68.2
70	54.6	82	60.5
75	50.6	77	54.0
80	46.3	71	48.4
85	41.5	65	43.5
90	36.2	57	39.2
95	29.8	48	35.3
100	23.6	38	32.1
105 ft Main boom, Load fall point Boom, HPT head (2821-1)			
17	86	112	562.0
20	84.3	112	469.6
25	81.5	111	321.7
30	78.7	110	236.5
35	75.9	108	182.7
40	73	107	147.8
45	70.1	105	123.4
50	67.1	103	105.3
55	64.1	100	91.3
60	60.9	97	80.3
65	57.7	94	71.3
70	54.3	90	63.8
75	50.8	86	57.5
80	47	82	52.1
85	43	76	47.4
90	38.7	70	43.2
95	33.8	63	39.6
100	28.2	54	36.3
105	22.7	44	33.4
105 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	114	79.4
25	84.8	114	79.4
30	82.1	113	79.4
35	79.3	111	79.4
40	76.5	110	79.4
45	73.7	108	79.4
50	70.8	106	79.4
55	67.9	103	79.4
60	64.9	101	77.2
65	61.7	98	68.0
70	58.5	94	60.3
75	55.1	90	53.8
80	51.5	86	48.2
85	47.7	80	43.3
90	43.6	75	39.1
95	39.1	68	35.3
100	35.3	62	32.2
105	29.5	52	29.1
110	21.9	39	26.2

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 119.0
 Carbody counterweight [1000 lbs]: 0.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
115 ft Main boom, Load fall point Boom, HPT head (2821-1)			
18	86	122	538.7
20	84.8	121	458.3
25	82.2	121	315.7
30	79.7	120	236.6
35	77.1	118	182.6
40	74.5	117	147.7
45	71.9	115	123.2
50	69.2	113	105.1
55	66.5	111	91.2
60	63.7	109	80.1
65	60.8	106	71.1
70	57.9	103	63.6
75	54.8	99	57.3
80	51.6	95	51.9
85	48.2	90	47.2
90	44.7	85	43.1
95	40.9	80	39.5
100	36.7	73	36.3
105	33.1	67	33.4
110	27.9	58	30.9
115	21.4	46	28.5
115 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	124	79.4
25	85.2	124	79.4
30	82.7	123	79.4
35	80.2	122	79.4
40	77.7	120	79.4
45	75.1	118	79.4
50	72.5	116	79.4
55	69.9	114	79.4
60	67.2	112	77.1
65	64.4	109	67.8
70	61.6	106	60.2
75	58.6	103	53.7
80	55.5	99	48.1
85	52.3	94	43.3
90	48.9	90	39.0
95	45.2	84	35.3
100	42.3	79	32.2
105	38.1	72	29.2
110	33.3	64	26.4
115	27.8	54	23.9
120	20.4	39	21.5

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
125 ft Main boom, Load fall point Boom, HPT head (2821-1)			
18	86	132	516.7
20	85.2	131	447.2
25	82.9	131	309.9
30	80.5	130	235.1
35	78.2	129	182.6
40	75.8	127	147.5
45	73.4	126	123.0
50	70.9	124	104.8
55	68.5	122	90.9
60	65.9	120	79.8
65	63.4	117	70.7
70	60.7	114	63.2
75	58	111	56.9
80	55.2	108	51.5
85	52.3	104	46.8
90	49.2	99	42.8
95	46	94	39.1
100	42.6	89	35.9
105	39.8	84	33.2
110	35.9	77	30.6
115	31.5	69	28.2
120	26.5	60	26.0
125	20.2	47	24.0
125 ft Main boom, Load fall point Boom, HPT head (2821-2)			
24	86	134	79.4
25	85.6	134	79.4
30	83.3	133	79.4
35	81	132	79.4
40	78.7	130	79.4
45	76.3	129	79.4
50	74	127	79.4
55	71.5	125	79.4
60	69.1	123	76.8
65	66.6	120	67.5
70	64.1	118	59.9
75	61.4	114	53.3
80	58.7	111	47.8
85	55.8	107	42.9
90	52.9	103	38.7
95	49.8	98	35.0
100	47.3	94	31.9
105	43.9	89	28.9
110	40.2	82	26.2
115	36.2	75	23.7
120	31.7	66	21.4
125	26.3	55	19.3
130	19.1	40	17.2

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
134 ft Main boom, Load fall point Boom, HPT head (2821-1)			
19	86	141	481.9
20	85.5	141	436.4
25	83.4	141	304.3
30	81.2	140	231.6
35	79	139	182.6
40	76.9	138	147.5
45	74.6	136	122.9
50	72.4	134	104.8
55	70.1	133	90.8
60	67.8	130	79.7
65	65.5	128	70.7
70	63.1	126	63.2
75	60.6	123	56.9
80	58.1	120	51.5
85	55.5	116	46.8
90	52.8	112	42.7
95	50	108	39.1
100	47.1	103	35.9
105	44.7	99	33.2
110	41.5	94	30.6
115	38.1	87	28.3
120	34.3	80	26.1
125	30.1	72	24.1
130	25.2	61	22.3
134 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	144	79.4
25	85.9	143	79.4
30	83.8	143	79.4
35	81.7	142	79.4
40	79.5	140	79.4
45	77.4	139	79.4
50	75.2	137	79.4
55	72.9	136	79.4
60	70.7	134	76.7
65	68.4	131	67.5
70	66.1	129	59.8
75	63.7	126	53.3
80	61.3	123	47.7
85	58.7	120	42.9
90	56.1	116	38.7
95	53.4	112	34.9
100	51.2	108	31.9
105	48.3	103	28.9
110	45.2	98	26.2
115	42	92	23.8
120	38.4	85	21.5
125	34.6	77	19.5
130	30.2	68	17.5
135	24.9	56	15.7
140	18	40	14.0

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 119.0
 Carbody counterweight [1000 lbs]: 0.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
144 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	86	151	66.4
20	85.8	151	426.1
25	83.8	150	298.7
30	81.8	150	228.0
35	79.8	149	182.5
40	77.8	148	147.3
45	75.7	146	122.7
50	73.6	145	104.5
55	71.5	143	90.5
60	69.4	141	79.3
65	67.3	139	70.3
70	65.1	137	62.8
75	62.8	134	56.4
80	60.5	131	51.0
85	58.2	128	46.4
90	55.8	125	42.3
95	53.3	121	38.7
100	50.7	117	35.5
105	48.6	113	32.8
110	45.9	108	30.2
115	43	103	27.8
120	39.9	97	25.7
125	36.5	90	23.7
130	32.9	82	21.9
135	28.8	74	20.2
140	24.1	63	18.7
144 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	153	79.4
30	84.2	153	79.4
35	82.2	152	79.4
40	80.2	151	79.4
45	78.2	149	79.4
50	76.2	148	79.4
55	74.1	146	79.4
60	72.1	144	76.5
65	70	142	67.1
70	67.9	140	59.5
75	65.7	137	52.9
80	63.4	134	47.3
85	61.1	131	42.5
90	58.8	128	38.3
95	56.4	124	34.6
100	54.4	121	31.5
105	51.8	117	28.5
110	49.2	112	25.9
115	46.4	107	23.4
120	43.4	101	21.2
125	40.2	95	19.1
130	36.8	88	17.2
135	33.1	80	15.5
140	28.8	70	13.8
145	23.7	58	12.3
150	16.9	41	10.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
154 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	86	161	66.4
25	84.2	160	293.1
30	82.4	160	224.3
35	80.5	159	180.3
40	78.6	158	147.1
45	76.7	157	122.4
50	74.7	155	104.2
55	72.8	154	90.2
60	70.8	152	79.0
65	68.8	150	70.0
70	66.8	148	62.4
75	64.7	145	56.1
80	62.6	142	50.7
85	60.5	140	46.0
90	58.3	136	41.9
95	56	133	38.3
100	53.7	129	35.1
105	51.9	126	32.5
110	49.4	122	29.9
115	46.8	117	27.5
120	44.2	112	25.4
125	41.4	106	23.4
130	38.4	100	21.6
135	35.2	93	20.0
140	31.6	85	18.4
145	27.7	76	17.0
150	23.1	64	15.6
154 ft Main boom, Load fall point Boom, HPT head (2821-2)			
26	86	163	79.4
30	84.6	163	79.4
35	82.7	162	79.4
40	80.9	161	79.4
45	79	159	79.4
50	77.1	158	79.4
55	75.2	156	79.4
60	73.2	155	76.2
65	71.3	153	66.9
70	69.4	151	59.2
75	67.3	148	52.6
80	65.3	146	47.0
85	63.2	143	42.2
90	61	140	38.0
95	58.8	136	34.3
100	57	134	31.2
105	54.7	130	28.2
110	52.4	126	25.6
115	49.9	121	23.1
120	47.3	116	20.9
125	44.6	111	18.9
130	41.8	105	17.0
135	38.7	98	15.3
140	35.4	90	13.7
145	31.8	82	12.1
150	27.6	72	10.7
155	22.7	59	9.3

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
164 ft Main boom, Load fall point Boom, HPT head (2821-1)			
21	86	171	377.2
25	84.6	170	287.7
30	82.8	170	220.7
35	81	169	177.5
40	79.3	168	146.9
45	77.5	167	122.2
50	75.7	165	103.9
55	73.8	164	89.8
60	72	162	78.6
65	70.1	160	69.5
70	68.3	158	62.0
75	66.3	156	55.7
80	64.4	154	50.2
85	62.4	151	45.5
90	60.4	148	41.4
95	58.4	145	37.8
100	56.2	142	34.6
105	54.6	139	32.0
110	52.3	135	29.4
115	50.1	131	27.0
120	47.7	126	24.9
125	45.2	121	22.9
130	42.6	116	21.1
135	39.9	110	19.5
140	37	103	18.0
145	33.9	96	16.5
150	30.5	87	15.2
155	26.7	78	13.9
160	22.2	66	12.7
164 ft Main boom, Load fall point Boom, HPT head (2821-2)			
27	86	173	79.4
30	84.9	172	79.4
35	83.2	172	79.4
40	81.4	171	79.4
45	79.6	170	79.4
50	77.9	168	79.4
55	76.1	167	79.4
60	74.3	165	75.9
65	72.5	163	66.5
70	70.7	161	58.8
75	68.8	159	52.2
80	66.9	157	46.6
85	64.9	154	41.8
90	63	151	37.5
95	60.9	148	33.8
100	59.3	146	30.8
105	57.2	142	27.8
110	55	138	25.1
115	52.8	134	22.7
120	50.5	130	20.5
125	48.1	125	18.4
130	45.6	120	16.6
135	43	114	14.8
140	40.3	108	13.2
145	37.3	101	11.8
150	34.1	93	10.4
155	30.6	84	9.0
160	26.5	73	7.8
165	21.7	60	6.6

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 119.0
 Carbody counterweight [1000 lbs]: 0.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
174 ft Main boom, Load fall point Boom, HPT head (2821-1)			
22	86	181	350.8
25	84.9	180	282.4
30	83.2	180	217.2
35	81.6	179	175.0
40	79.9	178	145.5
45	78.2	177	122.0
50	76.5	176	103.7
55	74.8	174	89.6
60	73.1	173	78.4
65	71.3	171	69.3
70	69.6	169	61.8
75	67.8	167	55.4
80	66	165	50.0
85	64.1	162	45.3
90	62.3	160	41.2
95	60.4	157	37.6
100	58.4	154	34.4
105	56.9	151	31.7
110	54.8	147	29.2
115	52.8	144	26.8
120	50.6	139	24.7
125	48.4	135	22.7
130	46.1	130	20.9
135	43.7	125	19.3
140	41.2	119	17.8
145	38.6	113	16.3
150	35.8	106	15.0
155	32.8	98	13.8
160	29.5	90	12.6
165	25.7	79	11.5
170	21.4	67	10.5
174 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	183	79.4
30	85.2	182	79.4
35	83.5	182	79.4
40	81.9	181	79.4
45	80.2	180	79.4
50	78.6	178	79.4
55	76.9	177	79.4
60	75.2	176	75.7
65	73.5	174	66.4
70	71.8	172	58.6
75	70	170	52.0
80	68.3	168	46.4
85	66.5	165	41.6
90	64.6	163	37.3
95	62.8	160	33.6
100	61.2	157	30.6
105	59.3	154	27.6
110	57.3	151	24.9
115	55.3	147	22.5
120	53.2	143	20.3
125	51.1	139	18.3
130	48.9	134	16.4
135	46.5	129	14.7
140	44.1	123	13.1
145	41.6	117	11.6
150	38.9	111	10.2
155	36	103	8.9
160	32.9	95	7.7
165	29.5	86	6.6
170	25.5	75	5.4
175	20.8	61	4.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
184 ft Main boom, Load fall point Boom, HPT head (2821-1)			
22	86	190	327.7
25	85.2	190	277.2
30	83.6	190	213.6
35	82	189	172.3
40	80.4	188	143.3
45	78.8	187	121.7
50	77.2	186	103.3
55	75.6	184	89.2
60	74	183	78.0
65	72.4	181	68.9
70	70.7	180	61.3
75	69	178	55.0
80	67.3	176	49.5
85	65.6	173	44.8
90	63.9	171	40.7
95	62.1	168	37.1
100	60.3	165	33.9
105	58.9	163	31.2
110	57	159	28.6
115	55.1	156	26.3
120	53.1	152	24.2
125	51.1	148	22.2
130	49.1	144	20.4
135	46.9	139	18.8
140	44.7	134	17.3
145	42.4	128	15.8
150	40	122	14.5
155	37.4	116	13.3
160	34.7	109	12.1
165	31.7	101	11.0
170	28.5	92	10.0
175	24.9	81	9.0
180	20.6	68	8.1
184 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	193	79.4
30	85.4	192	79.4
35	83.9	192	79.4
40	82.3	191	79.4
45	80.8	190	79.4
50	79.2	189	79.4
55	77.6	187	79.4
60	76	186	75.3
65	74.5	184	66.0
70	72.8	182	58.2
75	71.2	181	51.6
80	69.5	178	46.0
85	67.8	176	41.1
90	66.1	174	36.9
95	64.7	172	33.4
100	62.9	169	30.1
105	61.1	166	27.1

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
184 ft Main boom, Load fall point Boom, HPT head (2821-2)			
110	59.3	163	24.4
115	57.5	159	22.0
120	55.5	156	19.8
125	53.6	152	17.8
130	51.6	147	15.9
135	49.5	143	14.2
140	47.3	138	12.6
145	45.1	132	11.1
150	42.7	127	9.8
155	40.3	120	8.5
160	37.7	114	7.3
165	34.9	106	6.1
170	31.8	98	5.1
175	28.5	88	4.0
180	24.6	76	3.0
185	20	62	2.1
194 ft Main boom, Load fall point Boom, HPT head (2821-1)			
23	86	200	306.8
25	85.4	200	271.9
30	83.9	200	210.0
35	82.4	199	169.6
40	80.9	198	141.2
45	79.4	197	120.0
50	77.9	196	103.0
55	76.4	195	88.9
60	74.8	193	77.6
65	73.3	192	68.5
70	71.7	190	60.9
75	70.2	188	54.6
80	68.6	186	49.1
85	66.9	184	44.4
90	65.3	182	40.3
95	63.7	179	36.7
100	62	176	33.5
105	60.6	174	30.8
110	58.9	171	28.2
115	57.1	168	25.9
120	55.3	164	23.7
125	53.5	161	21.8
130	51.6	157	20.0
135	49.6	152	18.4
140	47.6	148	16.8
145	45.6	143	15.4
150	43.4	138	14.1
155	41.2	132	12.9
160	38.8	126	11.7
165	36.3	119	10.7
170	33.6	111	9.6
175	30.8	103	8.7
180	27.6	94	7.8
185	24.1	83	6.9
190	19.9	70	6.1

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
Degree rating: 360 °
Foot print: 2-wide track
Counterweight [1000 lbs]: 119.0
Carbody counterweight [1000 lbs]: 0.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
203 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	210	288.2
25	85.6	210	266.8
30	84.2	209	206.5
35	82.8	209	166.9
40	81.4	208	139.0
45	79.9	207	118.1
50	78.5	206	102.1
55	77	205	88.5
60	75.6	204	77.2
65	74.1	202	68.1
70	72.6	200	60.5
75	71.2	199	54.1
80	69.7	197	48.6
85	68.1	195	43.9
90	66.6	192	39.8
95	65	190	36.2
100	63.8	188	33.2
105	62.2	186	30.3
110	60.6	183	27.7
115	58.9	180	25.3
120	57.3	176	23.2
125	55.5	173	21.3
130	53.8	169	19.5
135	52	165	17.8
140	50.2	161	16.3
145	48.3	157	14.9
150	46.3	152	13.6
155	44.3	147	12.3
160	42.2	141	11.2
165	40	135	10.1
170	37.7	129	9.1
175	35.3	122	8.2
180	32.7	114	7.3
185	29.9	105	6.4
190	26.8	96	5.6
195	23.3	84	4.8
200	19.2	71	4.0
213 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	220	66.4
25	85.8	220	261.8
30	84.5	219	203.1
35	83.1	219	164.3
40	81.8	218	136.9
45	80.4	217	116.4
50	79	216	100.6
55	77.7	215	87.9
60	76.3	214	76.9
65	74.9	212	67.8
70	73.5	211	60.2
75	72.1	209	53.8
80	70.6	207	48.3
85	69.2	205	43.6
90	67.7	203	39.5
95	66.3	201	35.8
100	65.1	199	32.9
105	63.6	197	30.0
110	62.1	194	27.4
115	60.5	191	25.0
120	59	188	22.9
125	57.4	185	20.9
130	55.7	182	19.1

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
213 ft Main boom, Load fall point Boom, HPT head (2821-1)			
135	54.1	178	17.5
140	52.4	174	16.0
145	50.6	170	14.6
150	48.8	165	13.3
155	47	161	12.0
160	45.1	156	10.9
165	43.1	150	9.8
170	41.1	145	8.8
175	38.9	138	7.9
180	36.7	132	7.0
185	34.3	124	6.1
190	31.8	116	5.3
195	29	108	4.5
200	26	98	3.8
205	22.6	86	3.1
210	18.6	72	2.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 0.0
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
66 ft Main boom, Load fall point Boom, HPT head (2821-1)			
14	86	73	66.4
15	85.2	72	479.5
20	80.8	72	331.1
25	76.2	70	208.0
30	71.6	68	147.5
35	66.8	66	112.9
40	61.9	63	90.4
45	56.6	60	74.6
50	50.9	56	62.8
55	44.7	51	53.7
60	37.5	44	46.4
65	28.7	36	40.3
66 ft Main boom, Load fall point Boom, HPT head (2821-2)			
20	86	75	79.4
25	81.7	74	79.4
30	77.3	72	79.4
35	72.8	70	79.4
40	68	67	79.4
45	63.1	64	72.7
50	57.9	60	60.5
55	52.2	55	51.0
60	45.8	50	43.4
65	38.2	42	37.0
70	31.1	34	32.1
76 ft Main boom, Load fall point Boom, HPT head (2821-1)			
15	86	82	66.4
15	85.8	82	479.3
20	82	82	322.6
25	78.1	80	208.7
30	74.1	79	148.0
35	70.1	77	113.3
40	65.9	75	90.8
45	61.5	72	75.0
50	57	69	63.3
55	52.1	65	54.2
60	46.9	60	47.0
65	41.1	54	41.0
70	34.5	47	36.0
75	28.2	40	32.1
76 ft Main boom, Load fall point Boom, HPT head (2821-2)			
21	86	85	79.4
25	82.7	84	79.4
30	78.9	82	79.4
35	75.1	80	79.4
40	71.1	78	79.4
45	66.9	75	73.1
50	62.7	72	60.9
55	58.1	69	51.4
60	53.2	64	43.9
65	47.9	59	37.7
70	43.3	54	32.9
75	36.6	46	28.4
80	28.1	36	24.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
85 ft Main boom, Load fall point Boom, HPT head (2821-1)			
15	86	92	66.4
20	82.9	92	314.3
25	79.5	91	209.2
30	76	89	148.3
35	72.5	88	113.4
40	68.9	86	90.8
45	65.1	83	74.9
50	61.3	80	63.2
55	57.3	77	54.1
60	53.1	73	46.9
65	48.5	69	41.0
70	43.7	64	36.1
75	39.5	59	32.2
80	33.4	51	28.5
85	26.1	41	25.3
85 ft Main boom, Load fall point Boom, HPT head (2821-2)			
21	86	94	79.4
25	83.6	94	79.4
30	80.2	92	79.4
35	76.8	91	79.4
40	73.3	89	79.4
45	69.8	86	73.1
50	66.2	84	60.9
55	62.3	81	51.4
60	58.3	77	43.9
65	54	73	37.7
70	50.5	69	33.0
75	45.6	63	28.5
80	40.2	57	24.7
85	33.8	48	21.3
90	25.7	37	18.2
95 ft Main boom, Load fall point Boom, HPT head (2821-1)			
16	86	102	443.4
20	83.7	102	306.5
25	80.6	101	206.5
30	77.5	100	148.7
35	74.4	98	113.8
40	71.2	96	91.1
45	67.9	94	75.3
50	64.6	92	63.5
55	61.1	89	54.5
60	57.5	86	47.2
65	53.8	82	41.4
70	49.8	78	36.5
75	46.5	74	32.6
80	42	68	29.0
85	37	62	25.9
90	31.3	54	23.1
95	24.3	43	20.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
95 ft Main boom, Load fall point Boom, HPT head (2821-2)			
22	86	104	79.4
25	84.2	104	79.4
30	81.2	102	79.4
35	78.2	101	79.4
40	75.1	99	79.4
45	72	97	73.3
50	68.8	95	61.2
55	65.5	92	51.7
60	62	89	44.2
65	58.4	86	38.0
70	55.4	82	33.3
75	51.5	78	29.0
80	47.3	73	25.2
85	42.7	67	21.9
90	37.5	59	19.0
95	31.5	50	16.4
100	23.6	38	13.9
105 ft Main boom, Load fall point Boom, HPT head (2821-1)			
17	86	112	420.2
20	84.3	112	298.8
25	81.5	111	202.5
30	78.7	110	148.8
35	75.9	108	113.8
40	73	107	91.0
45	70.1	105	75.1
50	67.1	103	63.3
55	64.1	100	54.2
60	60.9	97	47.0
65	57.7	94	41.1
70	54.3	90	36.2
75	51.6	87	32.3
80	47.9	83	28.8
85	43.9	77	25.7
90	39.7	71	22.9
95	34.9	64	20.5
100	29.5	56	18.3
105	22.7	44	16.3
105 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	114	79.4
25	84.8	114	79.4
30	82.1	113	79.4
35	79.3	111	79.4
40	76.5	110	79.4
45	73.7	108	73.2
50	70.9	106	61.0
55	68	104	51.5
60	64.9	101	44.0
65	61.8	98	37.8
70	59.2	95	33.1
75	55.8	91	28.7
80	52.3	87	25.0
85	48.6	82	21.7
90	44.6	76	18.9
95	40.2	70	16.3
100	35.3	62	14.0
105	29.5	52	11.9
110	21.9	39	9.8

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 0.0
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
115 ft Main boom, Load fall point Boom, HPT head (2821-1)			
18	86	122	374.4
20	84.8	121	291.0
25	82.2	121	198.5
30	79.7	120	148.6
35	77.1	118	113.7
40	74.5	117	91.0
45	71.9	115	75.0
50	69.2	113	63.2
55	66.5	111	54.1
60	63.7	109	46.8
65	60.8	106	40.9
70	57.9	103	36.1
75	55.5	100	32.2
80	52.3	96	28.6
85	49	92	25.5
90	45.5	86	22.8
95	41.7	81	20.4
100	37.6	74	18.3
105	33.1	67	16.3
110	27.9	58	14.6
115	21.4	46	12.9
115 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	124	79.4
25	85.2	124	79.4
30	82.7	123	79.4
35	80.2	122	79.4
40	77.7	120	79.4
45	75.1	118	73.1
50	72.6	117	60.9
55	70	114	51.4
60	67.2	112	43.9
65	64.4	109	37.7
70	62.2	107	33.0
75	59.2	103	28.6
80	56.2	100	24.9
85	53	95	21.7
90	49.6	91	18.8
95	46.1	85	16.3
100	42.3	79	14.0
105	38.1	72	12.0
110	33.3	64	10.1
115	27.8	54	8.3
120	20.4	39	6.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
125 ft Main boom, Load fall point Boom, HPT head (2821-1)			
18	86	132	337.3
20	85.2	131	283.7
25	82.9	131	194.6
30	80.5	130	146.0
35	78.2	129	113.7
40	75.8	127	90.8
45	73.4	126	74.8
50	70.9	124	62.9
55	68.5	122	53.7
60	65.9	120	46.5
65	63.4	117	40.6
70	60.7	114	35.7
75	58.6	112	31.8
80	55.8	108	28.2
85	52.9	104	25.2
90	49.9	100	22.5
95	46.7	96	20.1
100	43.4	90	17.9
105	39.8	84	16.0
110	35.9	77	14.3
115	31.5	69	12.7
120	26.5	60	11.2
125	20.2	47	9.8
125 ft Main boom, Load fall point Boom, HPT head (2821-2)			
24	86	134	79.4
25	85.6	134	79.4
30	83.3	133	79.4
35	81	132	79.4
40	78.7	130	79.4
45	76.3	129	73.0
50	74.1	127	60.7
55	71.6	125	51.2
60	69.2	123	43.6
65	66.6	120	37.4
70	64.6	118	32.7
75	61.9	115	28.3
80	59.2	112	24.6
85	56.4	108	21.3
90	53.5	104	18.5
95	50.5	100	16.0
100	47.3	94	13.7
105	43.9	89	11.7
110	40.2	82	9.8
115	36.2	75	8.1
120	31.7	66	6.6
125	26.3	55	5.1
130	19.1	40	3.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
134 ft Main boom, Load fall point Boom, HPT head (2821-1)			
19	86	141	306.1
20	85.5	141	276.6
25	83.4	141	190.8
30	81.2	140	143.6
35	79	139	113.6
40	76.9	138	90.7
45	74.6	136	74.7
50	72.4	134	62.8
55	70.1	133	53.7
60	67.8	130	46.4
65	65.5	128	40.5
70	63.1	126	35.6
75	61.2	123	31.8
80	58.7	120	28.2
85	56.1	117	25.1
90	53.4	113	22.4
95	50.6	109	20.0
100	47.8	104	17.9
105	44.7	99	16.0
110	41.5	94	14.3
115	38.1	87	12.7
120	34.3	80	11.3
125	30.1	72	9.9
130	25.2	61	8.7
134 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	144	79.4
25	85.9	143	79.4
30	83.8	143	79.4
35	81.7	142	79.4
40	79.5	140	79.4
45	77.4	139	73.0
50	75.3	138	60.7
55	73	136	51.1
60	70.8	134	43.5
65	68.5	131	37.4
70	66.6	129	32.6
75	64.2	127	28.2
80	61.8	124	24.5
85	59.3	120	21.3
90	56.7	117	18.4
95	54	113	15.9
100	51.2	108	13.7
105	48.3	103	11.7
110	45.2	98	9.9
115	42	92	8.2
120	38.4	85	6.7
125	34.6	77	5.3
130	30.2	68	4.0
135	24.9	56	2.7

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 0.0
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
144 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	86	151	66.4
20	85.8	151	269.7
25	83.8	150	187.0
30	81.8	150	141.0
35	79.8	149	111.8
40	77.8	148	90.6
45	75.7	146	74.5
50	73.6	145	62.5
55	71.5	143	53.3
60	69.4	141	46.1
65	67.3	139	40.1
70	65.1	137	35.2
75	63.3	135	31.3
80	61	132	27.8
85	58.7	129	24.7
90	56.3	125	22.0
95	53.8	122	19.6
100	51.3	118	17.5
105	48.6	113	15.6
110	45.9	108	13.8
115	43	103	12.3
120	39.9	97	10.8
125	36.5	90	9.5
130	32.9	82	8.3
135	28.8	74	7.2
140	24.1	63	6.1
154 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	86	161	66.4
25	84.2	160	183.1
30	82.4	160	138.4
35	80.5	159	109.8
40	78.6	158	89.9
45	76.7	157	74.2
50	74.7	155	62.2
55	72.8	154	53.0
60	70.8	152	45.7
65	68.8	150	39.8
70	66.8	148	34.9
75	65.2	146	31.0
80	63.1	143	27.4
85	60.9	140	24.3
90	58.8	137	21.6
95	56.5	134	19.2
100	54.2	130	17.1
105	51.9	126	15.2
110	49.4	122	13.5
115	46.8	117	12.0
120	44.2	112	10.5
125	41.4	106	9.2
130	38.4	100	8.0
135	35.2	93	6.9
140	31.6	85	5.9
145	27.7	76	4.9
150	23.1	64	4.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
164 ft Main boom, Load fall point Boom, HPT head (2821-1)			
21	86	171	237.5
25	84.6	170	179.3
30	82.8	170	135.8
35	81	169	107.8
40	79.3	168	88.2
45	77.5	167	73.8
50	75.7	165	61.9
55	73.8	164	52.7
60	72	162	45.3
65	70.1	160	39.4
70	68.3	158	34.4
75	66.8	157	30.6
80	64.8	154	27.0
85	62.9	152	23.9
90	60.8	149	21.2
95	58.8	146	18.8
100	56.7	142	16.6
105	54.6	139	14.7
110	52.3	135	13.0
115	50.1	131	11.5
120	47.7	126	10.0
125	45.2	121	8.7
130	42.6	116	7.5
135	39.9	110	6.4
140	37	103	5.4
145	33.9	96	4.5
150	30.5	87	3.6
155	26.7	78	2.7

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: 360 °
 Foot print: 2-wide track
 Counterweight [1000 lbs]: 0.0
 Carbody counterweight [1000 lbs]: 0.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
66 ft Main boom, Load fall point Boom, HPT head (2821-1)			
14	86	73	66.4
15	85.2	72	405.6
20	80.8	72	201.9
25	76.2	70	125.8
30	71.6	68	87.7
35	66.8	66	65.9
40	61.9	63	51.6
45	56.6	60	41.6
50	50.9	56	34.2
55	46.1	52	28.8
60	39.2	46	24.1
65	30.9	38	20.1
66 ft Main boom, Load fall point Boom, HPT head (2821-2)			
20	86	75	79.4
25	81.7	74	79.4
30	77.3	72	79.4
35	72.9	70	65.6
40	68.2	67	50.5
45	63.2	64	39.8
50	59	61	32.5
55	53.4	56	26.2
60	47.3	51	21.2
65	40.1	44	17.0
70	31.1	34	13.3
76 ft Main boom, Load fall point Boom, HPT head (2821-1)			
15	86	82	66.4
15	85.8	82	386.3
20	82	82	196.8
25	78.1	80	126.5
30	74.1	79	88.2
35	70.1	77	66.3
40	65.9	75	52.1
45	61.5	72	42.1
50	57	69	34.6
55	53.2	66	29.3
60	48.1	61	24.6
65	42.4	56	20.8
70	36	49	17.5
75	28.2	40	14.7
76 ft Main boom, Load fall point Boom, HPT head (2821-2)			
21	86	85	79.4
25	82.7	84	79.4
30	78.9	82	79.4
35	75.2	80	66.0
40	71.2	78	50.9
45	67	76	40.2
50	63.6	73	32.8
55	59.1	69	26.6
60	54.3	65	21.7
65	49.1	60	17.6
70	43.3	54	14.1
75	36.6	46	11.1
80	28.1	36	8.3

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
85 ft Main boom, Load fall point Boom, HPT head (2821-1)			
15	86	92	66.4
20	82.9	92	191.7
25	79.5	91	126.1
30	76	89	88.5
35	72.5	88	66.4
40	68.9	86	52.1
45	65.1	83	42.0
50	61.3	80	34.6
55	58.2	78	29.2
60	54	74	24.5
65	49.5	70	20.7
70	44.8	65	17.6
75	39.5	59	14.8
80	33.4	51	12.5
85	26.1	41	10.3
85 ft Main boom, Load fall point Boom, HPT head (2821-2)			
21	86	94	79.4
25	83.6	94	79.4
30	80.2	92	79.4
35	77	91	66.2
40	73.5	89	51.0
45	69.9	87	40.2
50	66.9	84	32.8
55	63.1	81	26.6
60	59.1	78	21.6
65	54.9	74	17.6
70	50.5	69	14.1
75	45.6	63	11.2
80	40.2	57	8.7
85	33.8	48	6.4
90	25.7	37	4.2
95 ft Main boom, Load fall point Boom, HPT head (2821-1)			
16	86	102	294.5
20	83.7	102	186.9
25	80.6	101	123.9
30	77.5	100	88.9
35	74.4	98	66.8
40	71.2	96	52.4
45	67.9	94	42.4
50	64.6	92	34.9
55	61.9	90	29.5
60	58.3	86	24.9
65	54.6	83	21.1
70	50.7	78	18.0
75	46.5	74	15.3
80	42	68	13.0
85	37	62	10.9
90	31.3	54	9.1
95	24.3	43	7.5

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
95 ft Main boom, Load fall point Boom, HPT head (2821-2)			
22	86	104	79.4
25	84.2	104	79.4
30	81.2	102	79.4
35	78.3	101	66.4
40	75.2	99	51.2
45	72.1	97	40.5
50	69.4	96	33.0
55	66.1	93	26.9
60	62.7	90	21.9
65	59.2	86	17.9
70	55.4	82	14.5
75	51.5	78	11.6
80	47.3	73	9.1
85	42.7	67	7.0
90	37.5	59	5.0
95	31.5	50	3.2
105 ft Main boom, Load fall point Boom, HPT head (2821-1)			
17	86	112	258.6
20	84.3	112	182.0
25	81.5	111	121.2
30	78.7	110	88.9
35	75.9	108	66.8
40	73	107	52.3
45	70.1	105	42.2
50	67.1	103	34.7
55	64.8	101	29.3
60	61.6	98	24.6
65	58.4	95	20.9
70	55.1	91	17.7
75	51.6	87	15.0
80	47.9	83	12.7
85	43.9	77	10.7
90	39.7	71	8.9
95	34.9	64	7.3
100	29.5	56	5.9
105	22.7	44	4.5
115 ft Main boom, Load fall point Boom, HPT head (2821-1)			
18	86	122	229.6
20	84.8	121	177.0
25	82.2	121	118.6
30	79.7	120	87.1
35	77.1	118	66.7
40	74.5	117	52.2
45	71.9	115	42.1
50	69.2	113	34.6
55	67.1	112	29.1
60	64.3	109	24.5
65	61.4	106	20.7
70	58.5	103	17.5
75	55.5	100	14.9
80	52.3	96	12.6
85	49	92	10.6
90	45.5	86	8.8
95	41.7	81	7.3
100	37.6	74	5.9
105	33.1	67	4.6
110	27.9	58	3.4
115	21.4	46	2.3

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 273.4
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
66 ft Main boom, Load fall point Boom, HPT head (2821-1)			
14	86	73	66.4
15	85.2	72	603.2
20	80.8	72	574.2
25	76.2	70	481.3
30	71.6	68	407.3
35	66.8	66	347.0
40	61.9	63	301.0
45	56.6	60	265.2
50	50.9	56	236.5
55	44.7	51	212.9
60	37.5	44	193.2
65	28.7	36	176.3
66 ft Main boom, Load fall point Boom, HPT head (2821-2)			
20	86	75	79.4
25	81.7	74	79.4
30	77.3	72	79.4
35	72.8	70	79.4
40	68	67	79.4
45	63.1	64	79.4
50	57.9	60	79.4
55	52.2	55	79.4
60	45.8	50	79.4
65	38.4	42	79.4
70	28.7	32	79.4
76 ft Main boom, Load fall point Boom, HPT head (2821-1)			
15	86	82	66.4
15	85.8	82	661.4
20	82	82	587.5
25	78.1	80	481.2
30	74.1	79	406.8
35	70.1	77	347.0
40	65.9	75	301.1
45	61.5	72	265.3
50	57	69	236.7
55	52.1	65	213.2
60	46.9	60	193.6
65	41.1	54	176.9
70	34.5	47	162.5
75	26.2	37	149.1
76 ft Main boom, Load fall point Boom, HPT head (2821-2)			
21	86	85	79.4
25	82.7	84	79.4
30	78.9	82	79.4
35	75.1	80	79.4
40	71.1	78	79.4
45	66.9	75	79.4
50	62.6	72	79.4
55	58.1	68	79.4
60	53.2	64	79.4
65	47.9	59	79.4
70	42	52	79.4
75	35	44	79.4
80	25.8	33	79.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
85 ft Main boom, Load fall point Boom, HPT head (2821-1)			
15	86	92	66.4
20	82.9	92	588.9
25	79.5	91	482.4
30	76	89	401.7
35	72.5	88	346.3
40	68.9	86	300.4
45	65.1	83	264.7
50	61.3	80	236.0
55	57.3	77	212.6
60	53.1	73	193.0
65	48.5	69	176.4
70	43.7	64	162.2
75	38.3	57	149.3
80	32	49	136.7
85	24.2	39	125.8
85 ft Main boom, Load fall point Boom, HPT head (2821-2)			
21	86	94	79.4
25	83.6	94	79.4
30	80.2	92	79.4
35	76.8	91	79.4
40	73.3	89	79.4
45	69.8	86	79.4
50	66.1	84	79.4
55	62.3	81	79.4
60	58.3	77	79.4
65	54	73	79.4
70	49.5	68	79.4
75	44.5	62	79.4
80	38.9	55	79.4
85	32.3	46	79.4
90	23.4	34	79.4
95 ft Main boom, Load fall point Boom, HPT head (2821-1)			
16	86	102	662.4
20	83.7	102	583.2
25	80.6	101	473.9
30	77.5	100	400.6
35	74.4	98	345.8
40	71.2	96	300.6
45	67.9	94	264.9
50	64.6	92	236.3
55	61.1	89	212.9
60	57.5	86	193.4
65	53.8	82	176.8
70	49.8	78	162.6
75	45.6	73	149.8
80	41	67	137.3
85	35.9	60	126.5
90	29.9	52	117.0
95	22.5	40	108.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
95 ft Main boom, Load fall point Boom, HPT head (2821-2)			
22	86	104	79.4
25	84.2	104	79.4
30	81.2	102	79.4
35	78.2	101	79.4
40	75.1	99	79.4
45	72	97	79.4
50	68.7	95	79.4
55	65.4	92	79.4
60	62	89	79.4
65	58.4	86	79.4
70	54.6	82	79.4
75	50.6	77	79.4
80	46.3	71	79.4
85	41.6	65	79.4
90	36.3	58	79.4
95	30	48	79.4
100	21.5	34	79.4
105 ft Main boom, Load fall point Boom, HPT head (2821-1)			
17	86	112	642.5
20	84.3	112	577.5
25	81.5	111	470.7
30	78.7	110	399.2
35	75.9	108	343.1
40	73	107	299.8
45	70.1	105	264.1
50	67.1	103	235.5
55	64.1	100	212.1
60	60.9	97	192.6
65	57.7	94	176.1
70	54.3	90	161.9
75	50.8	86	149.6
80	47	82	137.1
85	43	76	126.3
90	38.7	70	116.9
95	33.8	63	108.6
100	28.2	54	101.3
105	22.7	44	33.4
105 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	114	79.4
25	84.8	114	79.4
30	82.1	113	79.4
35	79.3	111	79.4
40	76.5	110	79.4
45	73.7	108	79.4
50	70.8	106	79.4
55	67.9	103	79.4
60	64.9	101	79.4
65	61.7	98	79.4
70	58.5	94	79.4
75	55.1	90	79.4
80	51.5	86	79.4
85	47.8	81	79.4
90	43.7	75	79.4
95	39.2	68	79.4
100	34.1	60	79.4
105	28.1	50	79.4
110	19.8	35	79.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 273.4
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
115 ft Main boom, Load fall point Boom, HPT head (2821-1)			
18	86	122	610.6
20	84.8	121	572.3
25	82.2	121	468.3
30	79.7	120	397.9
35	77.1	118	341.9
40	74.5	117	299.3
45	71.9	115	263.6
50	69.2	113	235.1
55	66.5	111	211.7
60	63.7	109	192.2
65	60.8	106	175.7
70	57.9	103	161.5
75	54.8	99	149.2
80	51.6	95	137.0
85	48.2	90	126.2
90	44.7	85	116.8
95	40.9	80	108.6
100	36.7	73	101.3
105	32	65	94.7
110	26.6	55	88.8
115	21.4	46	33.4
115 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	124	79.4
25	85.2	124	79.4
30	82.7	123	79.4
35	80.2	122	79.4
40	77.7	120	79.4
45	75.1	118	79.4
50	72.5	116	79.4
55	69.9	114	79.4
60	67.2	112	79.4
65	64.4	109	79.4
70	61.5	106	79.4
75	58.6	103	79.4
80	55.5	99	79.4
85	52.3	94	79.4
90	48.9	90	79.4
95	45.3	84	79.4
100	41.4	78	79.4
105	37.1	70	79.4
110	32.2	62	79.2
115	26.4	51	78.8
120	18.4	35	73.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
125 ft Main boom, Load fall point Boom, HPT head (2821-1)			
18	86	132	580.4
20	85.2	131	570.6
25	82.9	131	466.0
30	80.5	130	391.0
35	78.2	129	339.6
40	75.8	127	296.5
45	73.4	126	262.7
50	70.9	124	234.2
55	68.5	122	210.8
60	65.9	120	191.3
65	63.4	117	174.8
70	60.7	114	160.6
75	58	111	148.3
80	55.2	108	136.6
85	52.3	104	125.8
90	49.2	99	116.5
95	46	94	108.2
100	42.6	89	100.9
105	39	83	94.4
110	35	76	88.6
115	30.5	67	83.3
120	25.3	57	78.4
125	20.2	47	33.4
125 ft Main boom, Load fall point Boom, HPT head (2821-2)			
24	86	134	79.4
25	85.6	134	79.4
30	83.3	133	79.4
35	81	132	79.4
40	78.7	130	79.4
45	76.3	129	79.4
50	74	127	79.4
55	71.5	125	79.4
60	69.1	123	79.4
65	66.6	120	79.4
70	64	118	79.4
75	61.4	114	79.4
80	58.6	111	79.4
85	55.8	107	79.4
90	52.9	103	79.4
95	49.8	98	79.4
100	46.6	93	79.4
105	43.1	87	79.4
110	39.4	81	79.4
115	35.3	73	78.7
120	30.6	64	73.8
125	24.9	52	69.2
130	19.1	40	33.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
134 ft Main boom, Load fall point Boom, HPT head (2821-1)			
19	86	141	553.0
20	85.5	141	553.0
25	83.4	141	462.9
30	81.2	140	388.6
35	79	139	338.9
40	76.9	138	295.3
45	74.6	136	262.0
50	72.4	134	234.0
55	70.1	133	210.6
60	67.8	130	191.1
65	65.5	128	174.6
70	63.1	126	160.5
75	60.6	123	148.2
80	58.1	120	136.6
85	55.5	116	125.8
90	52.8	112	116.4
95	50	108	108.2
100	47.1	103	100.9
105	44	98	94.4
110	40.8	92	88.6
115	37.3	86	83.3
120	33.4	78	78.5
125	29.1	70	74.1
130	24.1	59	70.1
134 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	144	79.4
25	85.9	143	79.4
30	83.8	143	79.4
35	81.7	142	79.4
40	79.5	140	79.4
45	77.4	139	79.4
50	75.2	137	79.4
55	72.9	136	79.4
60	70.7	134	79.4
65	68.4	131	79.4
70	66.1	129	79.4
75	63.7	126	79.4
80	61.2	123	79.4
85	58.7	120	79.4
90	56.1	116	79.4
95	53.4	112	79.4
100	50.6	107	79.4
105	47.7	102	79.4
110	44.6	97	79.4
115	41.2	90	78.8
120	37.6	84	73.9
125	33.7	75	69.4
130	29	65	65.3
135	23.4	53	61.5
140	18	40	33.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 273.4
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
144 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	86	151	66.4
20	85.8	151	526.6
25	83.8	150	456.1
30	81.8	150	386.3
35	79.8	149	334.5
40	77.8	148	294.2
45	75.7	146	260.1
50	73.6	145	233.1
55	71.5	143	209.7
60	69.4	141	190.2
65	67.3	139	173.7
70	65.1	137	159.6
75	62.8	134	147.3
80	60.5	131	136.2
85	58.2	128	125.4
90	55.8	125	116.0
95	53.3	121	107.8
100	50.7	117	100.5
105	48.1	112	94.0
110	45.3	107	88.2
115	42.3	102	82.9
120	39.2	96	78.1
125	35.8	89	73.8
130	32.1	81	69.8
135	27.9	72	66.1
140	23	60	62.7
144 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	153	79.4
30	84.2	153	79.4
35	82.2	152	79.4
40	80.2	151	79.4
45	78.2	149	79.4
50	76.2	148	79.4
55	74.1	146	79.4
60	72.1	144	79.4
65	70	142	79.4
70	67.8	140	79.4
75	65.6	137	79.4
80	63.4	134	79.4
85	61.1	131	79.4
90	58.8	128	79.4
95	56.4	124	79.4
100	53.9	120	79.4
105	51.3	116	78.9
110	48.6	111	77.6
115	45.7	106	76.4
120	42.7	100	73.6
125	39.5	94	69.1
130	36.1	86	65.1
135	32.1	77	61.3
140	27.7	67	57.8
145	22.3	54	54.5
150	16.9	41	33.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
154 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	86	161	66.4
25	84.2	160	451.7
30	82.4	160	384.4
35	80.5	159	330.8
40	78.6	158	292.9
45	76.7	157	259.0
50	74.7	155	232.0
55	72.8	154	209.1
60	70.8	152	189.6
65	68.8	150	173.1
70	66.8	148	159.0
75	64.7	145	146.7
80	62.6	142	135.9
85	60.5	140	125.1
90	58.3	136	115.7
95	56	133	107.5
100	53.7	129	100.2
105	51.3	125	93.7
110	48.9	121	87.9
115	46.3	116	82.6
120	43.6	111	77.8
125	40.7	105	73.5
130	37.7	99	69.5
135	34.4	91	65.8
140	30.8	83	62.4
145	26.8	73	59.3
150	22	62	56.4
154 ft Main boom, Load fall point Boom, HPT head (2821-2)			
26	86	163	79.4
30	84.6	163	79.4
35	82.7	162	79.4
40	80.9	161	79.4
45	79	159	79.4
50	77.1	158	79.4
55	75.2	156	79.4
60	73.2	155	79.4
65	71.3	153	79.4
70	69.3	151	79.4
75	67.3	148	79.4
80	65.2	146	79.4
85	63.1	143	79.4
90	61	140	79.4
95	58.8	136	79.4
100	56.6	133	79.4
105	54.2	129	79.4
110	51.8	125	79.1
115	49.3	120	76.3
120	46.7	115	73.3
125	44	109	68.9
130	41.1	103	64.8
135	37.9	96	61.1
140	34.6	88	57.6
145	30.8	79	54.4
150	26.5	69	51.4
155	21.4	56	48.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
164 ft Main boom, Load fall point Boom, HPT head (2821-1)			
21	86	171	475.6
25	84.6	170	446.9
30	82.8	170	382.5
35	81	169	328.2
40	79.3	168	290.8
45	77.5	167	257.5
50	75.7	165	230.0
55	73.8	164	208.1
60	72	162	188.7
65	70.1	160	172.2
70	68.3	158	158.0
75	66.3	156	145.8
80	64.4	154	135.0
85	62.4	151	124.6
90	60.4	148	115.2
95	58.4	145	107.0
100	56.2	142	99.7
105	54.1	138	93.2
110	51.9	134	87.4
115	49.6	130	82.1
120	47.2	125	77.4
125	44.7	120	73.0
130	42.1	114	69.0
135	39.3	108	65.4
140	36.4	102	62.0
145	33.2	94	58.9
150	29.7	85	55.9
155	25.8	75	53.2
160	21.1	63	50.7
164 ft Main boom, Load fall point Boom, HPT head (2821-2)			
27	86	173	79.4
30	84.9	172	79.4
35	83.2	172	79.4
40	81.4	171	79.4
45	79.6	170	79.4
50	77.9	168	79.4
55	76.1	167	79.4
60	74.3	165	79.4
65	72.5	163	79.4
70	70.6	161	79.4
75	68.7	159	79.4
80	66.8	157	79.4
85	64.9	154	79.4
90	62.9	151	79.4
95	60.9	148	79.4
100	58.8	145	79.4
105	56.7	141	79.4
110	54.6	138	79.4
115	52.3	133	77.7
120	50	129	72.9
125	47.6	124	68.5
130	45.1	119	64.4
135	42.4	113	60.7
140	39.6	106	57.2
145	36.6	99	54.1
150	33.3	91	51.1
155	29.6	81	48.3
160	25.6	71	45.7
165	20.5	57	43.2

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 273.4
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
174 ft Main boom, Load fall point Boom, HPT head (2821-1)			
22	86	181	448.5
25	84.9	180	438.3
30	83.2	180	377.6
35	81.6	179	326.0
40	79.9	178	286.8
45	78.2	177	256.2
50	76.5	176	228.4
55	74.8	174	205.8
60	73.1	173	188.3
65	71.3	171	171.8
70	69.6	169	157.7
75	67.8	167	145.4
80	66	165	134.7
85	64.1	162	124.4
90	62.3	160	115.0
95	60.4	157	106.8
100	58.4	154	99.5
105	56.4	150	93.0
110	54.4	146	87.2
115	52.3	143	81.9
120	50.2	138	77.1
125	47.9	134	72.8
130	45.6	129	68.8
135	43.2	124	65.2
140	40.7	118	61.8
145	38	111	58.7
150	35.2	104	55.8
155	32.1	96	53.1
160	28.7	88	50.6
165	24.9	77	48.2
170	20.3	64	45.9
174 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	183	79.4
30	85.2	182	79.4
35	83.5	182	79.4
40	81.9	181	79.4
45	80.2	180	79.4
50	78.6	178	79.4
55	76.9	177	79.4
60	75.2	176	79.4
65	73.5	174	79.4
70	71.7	172	79.4
75	70	170	79.4
80	68.2	168	79.4
85	66.4	165	79.4
90	64.6	163	79.4
95	62.7	160	79.1
100	60.8	157	78.8
105	58.9	154	78.5
110	56.9	150	78.2
115	54.9	146	77.5
120	52.8	142	72.7
125	50.6	138	68.3
130	48.4	133	64.2
135	46	128	60.5
140	43.6	122	57.1
145	41	116	53.9
150	38.3	109	51.0
155	35.3	102	48.2
160	32.1	93	45.6
165	28.6	83	43.2
170	24.5	72	40.9
175	19.6	58	38.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
184 ft Main boom, Load fall point Boom, HPT head (2821-1)			
22	86	190	419.7
25	85.2	190	419.7
30	83.6	190	368.6
35	82	189	323.8
40	80.4	188	283.7
45	78.8	187	254.8
50	77.2	186	227.3
55	75.6	184	204.6
60	74	183	186.5
65	72.4	181	170.9
70	70.7	180	156.8
75	69	178	144.5
80	67.3	176	133.8
85	65.6	173	123.9
90	63.9	171	114.5
95	62.1	168	106.3
100	60.3	165	99.0
105	58.5	162	92.5
110	56.6	159	86.7
115	54.7	155	81.4
120	52.7	151	76.6
125	50.7	147	72.3
130	48.6	143	68.3
135	46.5	138	64.7
140	44.2	133	61.3
145	41.9	127	58.2
150	39.4	121	55.3
155	36.8	114	52.6
160	34.1	107	50.1
165	31.1	99	47.7
170	27.8	90	45.5
175	24	79	43.4
180	19.6	65	41.4
184 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	193	79.4
30	85.4	192	79.4
35	83.9	192	79.4
40	82.3	191	79.4
45	80.8	190	79.4
50	79.2	189	79.4
55	77.6	187	79.4
60	76	186	79.4
65	74.4	184	79.4
70	72.8	182	79.4
75	71.1	180	79.4
80	69.4	178	79.4
85	67.8	176	79.4
90	66.1	174	79.4
95	64.3	171	79.4
100	62.5	168	78.1
105	60.8	165	76.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
184 ft Main boom, Load fall point Boom, HPT head (2821-2)			
110	58.9	162	75.7
115	57	158	74.7
120	55.1	155	72.2
125	53.2	151	67.8
130	51.1	146	63.8
135	49	142	60.1
140	46.8	137	56.6
145	44.6	131	53.5
150	42.2	125	50.5
155	39.7	119	47.8
160	37	112	45.2
165	34.2	104	42.8
170	31	95	40.5
175	27.7	85	38.4
180	23.6	73	36.3
185	18.6	58	34.1
194 ft Main boom, Load fall point Boom, HPT head (2821-1)			
23	86	200	392.7
25	85.4	200	392.7
30	83.9	200	358.4
35	82.4	199	321.6
40	80.9	198	281.4
45	79.4	197	251.9
50	77.9	196	226.4
55	76.4	195	203.3
60	74.8	193	184.2
65	73.3	192	169.1
70	71.7	190	156.1
75	70.2	188	143.8
80	68.6	186	133.1
85	66.9	184	123.5
90	65.3	182	114.1
95	63.7	179	105.9
100	62	176	98.6
105	60.3	174	92.1
110	58.5	170	86.3
115	56.8	167	81.0
120	54.9	164	76.2
125	53.1	160	71.9
130	51.2	156	67.9
135	49.2	151	64.3
140	47.2	147	60.9
145	45.1	142	57.8
150	42.9	136	54.9
155	40.7	131	52.2
160	38.3	124	49.7
165	35.7	117	47.4
170	33	110	45.2
175	30.1	101	43.1
180	26.9	92	41.1
185	23.2	80	39.3
190	18.9	66	37.5

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 273.4
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
194 ft Main boom, Load fall point Boom, HPT head (2821-2)			
29	86	202	79.4
30	85.7	202	79.4
35	84.2	202	79.4
40	82.7	201	79.4
45	81.2	200	79.4
50	79.7	199	79.4
55	78.2	198	79.4
60	76.7	196	79.4
65	75.2	195	79.4
70	73.7	193	79.4
75	72.1	191	79.4
80	70.5	189	79.4
85	69	187	79.4
90	67.4	185	79.4
95	65.7	182	79.4
100	64.1	180	79.1
105	62.4	177	76.9
110	60.7	174	74.9
115	58.9	170	72.9
120	57.2	167	71.2
125	55.4	163	67.4
130	53.5	159	63.4
135	51.6	155	59.7
140	49.6	150	56.3
145	47.6	146	53.1
150	45.5	140	50.2
155	43.2	135	47.4
160	41	129	44.9
165	38.5	122	42.5
170	35.9	115	40.2
175	33.1	106	38.0
180	30.1	98	35.9
185	26.8	87	33.8
190	23.8	78	32.0
195	19.2	63	30.1
203 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	210	363.6
25	85.6	210	363.6
30	84.2	209	344.3
35	82.8	209	319.1
40	81.4	208	278.6
45	79.9	207	247.7
50	78.5	206	224.1
55	77	205	201.7
60	75.6	204	182.7
65	74.1	202	167.0
70	72.6	200	154.5
75	71.2	199	142.9
80	69.7	197	132.1
85	68.1	195	122.7
90	66.6	192	113.7
95	65	190	105.4
100	63.5	188	98.1
105	61.9	185	91.6
110	60.2	182	85.7
115	58.6	179	80.5
120	56.9	176	75.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
203 ft Main boom, Load fall point Boom, HPT head (2821-1)			
125	55.2	172	71.4
130	53.4	168	67.4
135	51.6	164	63.7
140	49.8	160	60.4
145	47.9	156	57.3
150	45.9	151	54.4
155	43.8	146	51.7
160	41.7	140	49.2
165	39.5	134	46.8
170	37.2	127	44.6
175	34.7	120	42.6
180	32.1	112	40.6
185	29.2	103	38.8
190	26.1	93	37.0
195	22.5	82	35.4
200	18.2	67	33.8
203 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	86	212	79.4
30	85.9	212	79.4
35	84.5	212	79.4
40	83.1	211	79.4
45	81.7	210	79.4
50	80.2	209	79.4
55	78.8	208	79.4
60	77.4	206	79.4
65	75.9	205	79.4
70	74.5	203	79.4
75	73	202	79.4
80	71.5	200	79.4
85	70	198	79.4
90	68.5	196	79.4
95	67	193	79.4
100	65.4	191	79.4
105	63.9	188	78.7
110	62.3	185	75.5
115	60.6	182	72.6
120	59	179	69.9
125	57.3	176	67.0
130	55.6	172	62.9
135	53.8	168	59.2
140	52	164	55.8
145	50.1	159	52.6
150	48.2	154	49.7
155	46.2	149	46.9
160	44.1	144	44.4
165	42	138	41.9
170	39.7	132	39.5
175	37.4	125	37.2
180	34.8	117	35.1
185	32.1	109	33.0
190	29.9	102	31.3
195	26.7	91	29.4
200	23	79	27.6
205	18.5	64	25.9

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
213 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	220	66.4
25	85.8	220	337.2
30	84.5	219	328.2
35	83.1	219	310.4
40	81.8	218	276.3
45	80.4	217	244.4
50	79	216	221.0
55	77.7	215	199.5
60	76.3	214	180.6
65	74.9	212	164.6
70	73.5	211	151.7
75	72.1	209	141.0
80	70.6	207	131.2
85	69.2	205	122.2
90	67.7	203	113.3
95	66.3	201	105.1
100	64.8	199	97.8
105	63.3	196	91.3
110	61.7	193	85.4
115	60.2	190	80.2
120	58.6	187	75.4
125	57	184	71.0
130	55.4	181	67.1
135	53.7	177	63.4
140	52	173	60.0
145	50.2	169	56.9
150	48.4	164	54.1
155	46.6	160	51.4
160	44.7	155	48.9
165	42.7	149	46.5
170	40.6	143	44.3
175	38.5	137	42.3
180	36.2	130	40.3
185	33.8	123	38.5
190	31.2	115	36.8
195	28.4	106	35.1
200	25.3	95	33.5
205	22.6	86	32.2
210	18.6	72	30.7
213 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	86	222	79.4
35	84.7	221	79.4
40	83.4	221	79.4
45	82	220	79.4
50	80.7	219	79.4
55	79.3	218	79.4
60	78	216	79.4
65	76.6	215	79.4
70	75.2	214	79.4
75	73.8	212	79.4
80	72.4	210	79.4
85	71	208	79.4
90	69.6	206	79.4
95	68.1	204	79.4
100	66.6	202	79.4
105	65.2	199	79.4
110	63.7	196	78.1
115	62.1	194	74.5
120	60.6	191	71.0
125	59	187	66.7
130	57.4	184	62.6
135	55.8	180	58.9

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 273.4
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
213 ft Main boom, Load fall point Boom, HPT head (2821-2)			
140	54.1	176	55.5
145	52.4	172	52.3
150	50.6	168	49.4
155	48.8	163	46.6
160	46.9	158	44.1
165	45	153	41.5
170	43	147	39.1
175	40.9	141	36.9
180	38.7	135	34.7
185	36.9	129	32.9
190	34.5	122	31.0
195	31.9	113	29.1
200	29	104	27.4
205	25.9	93	25.7
210	22.3	80	24.0
215	17.9	64	22.4
223 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	86	230	66.4
30	84.7	229	311.2
35	83.4	229	296.3
40	82.1	228	272.2
45	80.8	227	241.1
50	79.5	226	217.4
55	78.2	225	198.3
60	76.9	224	180.1
65	75.6	222	164.3
70	74.2	221	151.1
75	72.9	220	140.5
80	71.5	218	130.7
85	70.2	216	121.3
90	68.8	214	112.8
95	67.4	212	104.6
100	66	210	97.3
105	64.6	207	90.8
110	63.1	205	84.9
115	61.6	202	79.6
120	60.2	199	74.9
125	58.7	196	70.5
130	57.1	193	66.5
135	55.6	189	62.9
140	54	186	59.5
145	52.3	182	56.4
150	50.7	178	53.5
155	49	173	50.8
160	47.2	168	48.3
165	45.4	164	46.0
170	43.5	158	43.8
175	41.6	153	41.7
180	39.6	147	39.8
185	37.5	140	38.0
190	35.3	133	36.2
195	32.9	125	34.6
200	30.4	117	33.0
205	28.3	110	31.7
210	25.3	99	30.3
215	22	87	28.9
220	18	73	27.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
223 ft Main boom, Load fall point Boom, HPT head (2821-2)			
31	86	232	79.4
35	85	231	79.4
40	83.7	231	79.4
45	82.4	230	79.4
50	81.1	229	79.4
55	79.8	228	79.4
60	78.5	227	79.4
65	77.2	225	79.4
70	75.9	224	79.4
75	74.5	222	79.4
80	73.2	221	79.4
85	71.9	219	79.4
90	70.5	217	79.4
95	69.1	215	79.4
100	67.7	213	79.4
105	66.3	210	79.4
110	64.9	208	79.4
115	63.5	205	75.5
120	62	202	70.6
125	60.5	199	66.2
130	59	196	62.1
135	57.5	192	58.4
140	55.9	189	55.0
145	54.3	185	51.8
150	52.7	181	48.7
155	51	177	45.9
160	49.3	172	43.2
165	47.5	167	40.7
170	45.7	162	38.3
175	43.8	157	36.0
180	41.9	151	33.9
185	40.3	146	32.1
190	38.2	139	30.2
195	35.9	132	28.4
200	33.6	124	26.6
205	31	115	24.9
210	28.2	106	23.3
215	25.1	95	21.7
220	21.6	82	20.2
225	17.2	65	18.8
233 ft Main boom, Load fall point Boom, HPT head (2821-1)			
26	86	240	66.4
30	85	239	294.7
35	83.7	238	277.8
40	82.5	238	261.3
45	81.2	237	233.8
50	80	236	212.0
55	78.7	235	195.4
60	77.5	234	177.5
65	76.2	233	161.7
70	74.9	231	148.5
75	73.6	230	137.5
80	72.3	228	128.4
85	71	226	119.8
90	69.7	225	111.9
95	68.4	223	104.2
100	67.1	220	96.8
105	65.7	218	90.3
110	64.3	216	84.5
115	63	213	79.2
120	61.6	210	74.4
125	60.1	208	70.1
130	58.7	204	66.1
135	57.2	201	62.4
140	55.7	198	59.1

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
233 ft Main boom, Load fall point Boom, HPT head (2821-1)			
145	54.2	194	55.9
150	52.7	190	53.1
155	51.1	186	50.4
160	49.5	182	47.9
165	47.8	177	45.5
170	46.1	172	43.3
175	44.3	167	41.3
180	42.5	162	39.3
185	40.6	156	37.5
190	38.6	150	35.8
195	36.6	143	34.2
200	34.9	137	32.7
205	32.6	130	31.3
210	30.2	121	29.9
215	27.6	112	28.4
220	24.7	101	27.0
225	21.4	89	25.6
233 ft Main boom, Load fall point Boom, HPT head (2821-2)			
32	86	242	79.4
35	85.2	241	79.4
40	83.9	241	79.4
45	82.7	240	79.4
50	81.5	239	79.4
55	80.2	238	79.4
60	79	237	79.4
65	77.7	236	79.4
70	76.5	234	79.4
75	75.2	233	79.4
80	73.9	231	79.4
85	72.7	229	79.3
90	71.4	228	78.8
95	70	226	78.2
100	68.7	223	77.8
105	67.4	221	77.3
110	66	219	77.0
115	64.7	216	74.9
120	63.3	214	70.1
125	61.9	211	65.7
130	60.5	208	61.6
135	59	204	57.9
140	57.6	201	54.4
145	56.1	198	51.1
150	54.6	194	48.1
155	53	190	45.2
160	51.4	186	42.5
165	49.8	181	40.0
170	48.1	176	37.6
175	46.4	171	35.4
180	44.6	166	33.3
185	43.2	162	31.5
190	41.3	156	29.6
195	39.3	149	27.7
200	37.2	142	26.0
205	35	135	24.3
210	32.7	127	22.7
215	30.2	118	21.2
220	27.5	108	19.7
225	24.5	96	18.3
230	21	83	16.9
235	16.7	66	15.5

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 273.4
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
243 ft Main boom, Load fall point Boom, HPT head (2821-1)			
26	86	249	273.2
30	85.2	249	273.2
35	84	248	261.0
40	82.8	248	250.9
45	81.6	247	226.5
50	80.4	246	206.5
55	79.2	245	191.1
60	78	244	175.7
65	76.8	243	160.4
70	75.5	242	147.1
75	74.3	240	135.7
80	73.1	239	126.3
85	71.8	237	118.4
90	70.6	235	110.6
95	69.3	233	103.5
100	68	231	96.3
105	66.8	229	89.8
110	65.5	227	83.9
115	64.1	224	78.7
120	62.8	222	73.9
125	61.5	219	69.5
130	60.1	216	65.5
135	58.7	213	61.9
140	57.3	210	58.5
145	55.9	206	55.4
150	54.4	203	52.5
155	52.9	199	49.8
160	51.4	195	47.3
165	49.9	191	45.0
170	48.3	186	42.8
175	46.7	181	40.7
180	45	176	38.8
185	43.3	171	37.0
190	41.5	165	35.2
195	39.7	159	33.6
200	38.2	154	32.2
205	36.2	148	30.6
210	34.1	140	29.0
215	31.8	132	27.6
220	29.5	123	26.1
225	26.9	114	24.8
230	24	103	23.5
235	20.8	90	22.2
243 ft Main boom, Load fall point Boom, HPT head (2821-2)			
32	86	252	79.4
35	85.4	251	79.4
40	84.2	250	79.4
45	83	250	79.4
50	81.8	249	79.4
55	80.6	248	79.4
60	79.4	247	79.4
65	78.2	246	79.4
70	77	244	79.4
75	75.8	243	79.4
80	74.6	241	79.4
85	73.4	240	79.4
90	72.1	238	78.7
95	70.9	236	77.3
100	69.6	234	76.0
105	68.4	232	74.8
110	67.1	230	73.8
115	65.8	227	72.8
120	64.5	225	69.2
125	63.1	222	64.8
130	61.8	219	60.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
243 ft Main boom, Load fall point Boom, HPT head (2821-2)			
135	60.5	216	57.0
140	59.1	213	53.5
145	57.7	210	50.2
150	56.2	206	47.2
155	54.8	202	44.3
160	53.3	198	41.6
165	51.8	194	39.1
170	50.2	190	36.8
175	48.6	185	34.5
180	47	180	32.4
185	45.7	176	30.4
190	43.9	171	28.7
195	42.2	165	26.9
200	40.3	159	25.1
205	38.4	152	23.5
210	36.3	145	21.9
215	34.2	137	20.4
220	31.9	129	18.9
225	29.5	120	17.5
230	26.8	109	16.2
235	23.8	98	14.9
240	20.4	84	13.6
245	16.1	66	12.3
253 ft Main boom, Load fall point Boom, HPT head (2821-1)			
27	86	259	257.6
30	85.3	259	257.6
35	84.2	258	252.9
40	83.1	258	247.8
45	81.9	257	227.8
50	80.8	256	206.6
55	79.6	255	189.9
60	78.5	254	176.0
65	77.3	253	160.8
70	76.1	252	147.4
75	74.9	250	135.8
80	73.8	249	126.1
85	72.6	247	118.1
90	71.4	246	110.4
95	70.2	244	103.1
100	68.9	242	95.9
105	67.7	240	89.4
110	66.5	238	83.6
115	65.2	235	78.3
120	64	233	73.5
125	62.7	230	69.1
130	61.4	227	65.1
135	60.1	224	61.5
140	58.7	221	58.1
145	57.4	218	55.0
150	56	215	52.1
155	54.6	211	49.4
160	53.2	207	46.9
165	51.8	203	44.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
253 ft Main boom, Load fall point Boom, HPT head (2821-1)			
170	50.3	199	42.4
175	48.8	195	40.3
180	47.2	190	38.4
185	45.6	185	36.6
190	44	180	34.9
195	42.3	175	33.2
200	41	170	31.7
205	39.2	164	30.1
210	37.3	157	28.5
215	35.3	150	27.1
220	33.3	143	25.7
225	31.1	135	24.3
230	28.8	126	23.0
235	26.2	116	21.8
240	23.4	104	20.6
245	20.3	91	19.4
253 ft Main boom, Load fall point Boom, HPT head (2821-2)			
33	86	261	79.4
35	85.5	261	79.4
40	84.4	260	79.4
45	83.3	260	79.4
50	82.1	259	79.4
55	81	258	79.4
60	79.9	257	79.4
65	78.7	256	79.4
70	77.6	254	79.4
75	76.4	253	79.4
80	75.2	252	79.4
85	74	250	79.4
90	72.9	248	79.4
95	71.7	247	77.4
100	70.5	245	75.4
105	69.2	243	73.5
110	68	240	71.8
115	66.8	238	70.2
120	65.5	236	68.7
125	64.3	233	64.3
130	63	230	60.3
135	61.7	228	56.5
140	60.4	225	53.0
145	59.1	221	49.7
150	57.7	218	46.7
155	56.4	214	43.8
160	55	211	41.2
165	53.5	207	38.6
170	52.1	203	36.3
175	50.6	198	34.0
180	49.1	194	31.9
185	47.9	190	30.1
190	46.3	185	28.2
195	44.6	180	26.4
200	42.9	174	24.7
205	41.2	168	23.0
210	39.4	162	21.5
215	37.5	155	19.9
220	35.5	148	18.5
225	33.4	140	17.1
230	31.2	131	15.8
235	28.7	122	14.5
240	26.1	111	13.2
245	23.2	99	12.0
250	19.8	85	10.8

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 273.4
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
262 ft Main boom, Load fall point Boom, HPT head (2821-1)			
28	86	269	239.9
30	85.5	269	239.9
35	84.4	268	237.6
40	83.3	268	234.0
45	82.2	267	221.9
50	81.1	266	202.5
55	80	265	186.7
60	78.9	264	174.6
65	77.8	263	160.0
70	76.7	262	146.7
75	75.5	261	135.2
80	74.4	259	125.2
85	73.2	258	116.8
90	72.1	256	109.6
95	70.9	254	102.2
100	69.8	252	95.4
105	68.6	250	88.9
110	67.4	248	83.1
115	66.2	246	77.8
120	65	244	73.0
125	63.8	241	68.6
130	62.6	239	64.6
135	61.3	236	61.0
140	60.1	233	57.6
145	58.8	230	54.5
150	57.5	227	51.6
155	56.2	223	48.9
160	54.8	220	46.4
165	53.5	216	44.0
170	52.1	212	41.8
175	50.7	208	39.8
180	49.2	204	37.8
185	47.7	199	35.9
190	46.2	194	34.0
195	44.7	189	32.3
200	43.4	185	30.8
205	41.8	179	29.2
210	40.1	173	27.6
215	38.3	167	26.2
220	36.5	160	24.8
225	34.6	153	23.4
230	32.6	145	22.2
235	30.4	137	20.9
240	28.1	128	19.7
245	25.6	117	18.6
250	22.9	106	17.5
255	19.8	92	16.4
262 ft Main boom, Load fall point Boom, HPT head (2821-2)			
34	86	271	79.4
35	85.7	271	79.4
40	84.6	270	79.4
45	83.5	270	79.4
50	82.4	269	79.4
55	81.3	268	79.4
60	80.2	267	79.4
65	79.1	266	79.4
70	78	265	79.4
75	76.9	263	79.4
80	75.8	262	79.4
85	74.7	260	79.4
90	73.5	259	79.4
95	72.4	257	78.6
100	71.2	255	75.8
105	70.1	253	73.1
110	68.9	251	70.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
262 ft Main boom, Load fall point Boom, HPT head (2821-2)			
115	67.7	249	68.4
120	66.5	247	66.4
125	65.3	244	63.4
130	64.1	242	59.4
135	62.9	239	55.6
140	61.6	236	52.1
145	60.4	233	48.8
150	59.1	230	45.8
155	57.8	226	42.9
160	56.5	223	40.3
165	55.1	219	37.8
170	53.8	216	35.4
175	52.7	212	33.4
180	51.3	208	31.3
185	49.8	204	29.3
190	48.3	199	27.4
195	46.8	194	25.6
200	45.3	189	23.8
205	43.7	183	22.2
210	42	178	20.6
215	40.3	172	19.1
220	38.5	165	17.7
225	36.7	158	16.3
230	34.7	150	15.0
235	32.6	142	13.7
240	30.4	133	12.4
245	28.1	124	11.3
250	25.5	113	10.1
255	22.6	100	9.0
260	19.3	86	7.9
272 ft Main boom, Load fall point Boom, HPT head (2821-1)			
28	86	279	222.0
30	85.7	279	222.0
35	84.6	278	221.2
40	83.6	278	219.0
45	82.5	277	213.6
50	81.4	276	196.1
55	80.4	275	181.5
60	79.3	274	170.0
65	78.2	273	158.2
70	77.1	272	145.1
75	76.1	271	133.8
80	75	269	123.9
85	73.9	268	115.4
90	72.8	266	108.4
95	71.7	265	101.4
100	70.5	263	94.6
105	69.4	261	88.4
110	68.3	259	82.6
115	67.1	257	77.3
120	66	255	72.5
125	64.8	252	68.1
130	63.6	250	64.1
135	62.5	247	60.5
140	61.3	244	57.1
145	60	241	54.0
150	58.8	238	51.1
155	57.6	235	48.4
160	56.3	232	45.9
165	55	228	43.5
170	53.7	224	41.3
175	52.4	221	39.2
180	51	217	37.1
185	49.6	212	35.1

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
272 ft Main boom, Load fall point Boom, HPT head (2821-1)			
190	48.2	208	33.3
195	46.8	203	31.5
200	45.6	199	30.0
205	44.1	194	28.4
210	42.5	189	26.9
215	40.9	183	25.5
220	39.3	177	24.1
225	37.5	170	22.7
230	35.7	163	21.4
235	33.9	156	20.2
240	31.9	148	19.0
245	29.8	139	17.9
250	27.5	130	16.8
255	25.1	119	15.7
260	22.4	107	14.7
265	19.3	94	13.7
272 ft Main boom, Load fall point Boom, HPT head (2821-2)			
34	86	281	79.4
35	85.9	281	79.4
40	84.8	280	79.4
45	83.8	280	79.4
50	82.7	279	79.4
55	81.7	278	79.4
60	80.6	277	79.4
65	79.5	276	79.4
70	78.5	275	79.4
75	77.4	274	79.4
80	76.3	272	79.4
85	75.2	271	79.4
90	74.1	269	79.4
95	73	268	79.4
100	71.9	266	77.2
105	70.8	264	74.0
110	69.7	262	71.0
115	68.6	260	68.2
120	67.4	258	65.7
125	66.3	255	62.7
130	65.1	253	58.7
135	64	250	54.9
140	62.8	247	51.4
145	61.6	244	48.1
150	60.3	242	45.1
155	59.1	238	42.2
160	57.9	235	39.6
165	56.6	232	37.0
170	55.3	228	34.7
175	54.3	225	32.7
180	52.9	221	30.6
185	51.6	217	28.6
190	50.2	212	26.7

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 273.4
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
272 ft Main boom, Load fall point Boom, HPT head (2821-2)			
195	48.8	208	24.8
200	47.3	203	23.1
205	45.9	198	21.5
210	44.3	193	19.9
215	42.8	187	18.4
220	41.1	181	17.0
225	39.5	175	15.6
230	37.7	168	14.3
235	35.9	161	13.0
240	34	153	11.8
245	31.9	145	10.6
250	29.8	136	9.5
255	27.5	126	8.4
260	24.9	114	7.3
265	22.1	102	6.3
270	18.8	87	5.2
282 ft Main boom, Load fall point Boom, HPT head (2821-1)			
29	86	289	205.3
30	85.8	289	205.3
35	84.8	288	204.8
40	83.8	288	202.9
45	82.8	287	201.1
50	81.7	286	186.8
55	80.7	285	174.8
60	79.7	284	165.0
65	78.6	283	156.4
70	77.6	282	143.8
75	76.6	281	132.4
80	75.5	280	122.3
85	74.5	278	113.6
90	73.4	277	106.2
95	72.3	275	100.3
100	71.3	273	93.7
105	70.2	272	87.5
110	69.1	270	81.9
115	68	268	76.8
120	66.9	265	72.0
125	65.8	263	67.6
130	64.6	261	63.6
135	63.5	258	59.9
140	62.4	256	56.5
145	61.2	253	53.4
150	60	250	50.5
155	58.8	247	47.8
160	57.6	244	45.2
165	56.4	240	42.7
170	55.2	237	40.4
175	53.9	233	38.2
180	52.6	229	36.2
185	51.3	225	34.2
190	50	221	32.4
195	48.9	218	30.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
282 ft Main boom, Load fall point Boom, HPT head (2821-1)			
200	47.5	213	29.1
205	46.1	208	27.5
210	44.7	203	26.0
215	43.2	198	24.5
220	41.7	192	23.2
225	40.1	186	21.8
230	38.5	180	20.5
235	36.8	173	19.3
240	35	166	18.1
245	33.2	158	17.0
250	31.2	150	15.9
255	29.1	141	14.9
260	26.9	132	13.8
265	24.5	121	12.9
270	21.9	109	11.9
275	18.8	95	11.0
282 ft Main boom, Load fall point Boom, HPT head (2821-2)			
35	86	291	79.4
40	85	290	79.4
45	84	290	79.4
50	83	289	79.4
55	81.9	288	79.4
60	80.9	287	79.4
65	79.9	286	79.4
70	78.9	285	79.4
75	77.8	284	79.4
80	76.8	282	79.4
85	75.8	281	79.4
90	74.7	280	79.4
95	73.6	278	79.4
100	72.6	276	79.1
105	71.5	274	75.2
110	70.4	272	71.5
115	69.4	270	68.1
120	68.3	268	65.0
125	67.2	266	61.8
130	66	264	57.7
135	64.9	261	54.0
140	63.8	259	50.5
145	62.7	256	47.2
150	61.5	253	44.2
155	60.3	250	41.3
160	59.1	247	38.7
165	57.9	244	36.1
170	56.7	240	33.8
175	55.7	237	31.7
180	54.5	234	29.7
185	53.2	230	27.7
190	51.9	225	25.8
195	50.5	221	24.0
200	49.2	217	22.2

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
282 ft Main boom, Load fall point Boom, HPT head (2821-2)			
205	47.8	212	20.6
210	46.4	207	19.0
215	44.9	202	17.5
220	43.4	196	16.1
225	41.9	190	14.7
230	40.3	184	13.4
235	38.7	178	12.2
240	36.9	171	10.9
245	35.1	163	9.8
250	33.3	156	8.6
255	31.3	147	7.6
260	29.1	138	6.5
265	26.9	127	5.5
270	24.3	116	4.5
275	21.5	103	3.5
280	18.3	88	2.5
292 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	86	298	66.4
30	86	298	191.3
35	85	298	191.3
40	84	297	189.5
45	83	297	188.2
50	82	296	178.8
55	81	295	168.1
60	80	294	159.2
65	79	293	152.1
70	78	292	142.0
75	77	291	131.0
80	76	290	121.1
85	75	288	112.3
90	74	287	104.8
95	72.9	285	98.6
100	71.9	284	93.1
105	70.9	282	86.9
110	69.8	280	81.4
115	68.8	278	76.2
120	67.7	276	71.5
125	66.6	274	67.2
130	65.6	272	63.2
135	64.5	269	59.5
140	63.4	267	56.1
145	62.3	264	53.0
150	61.1	261	50.0
155	60	258	47.2
160	58.8	255	44.6
165	57.7	252	42.2
170	56.5	249	39.8
175	55.3	245	37.7
180	54.1	242	35.6
185	52.9	238	33.6
190	51.9	235	32.0
195	50.6	231	30.2
200	49.3	226	28.6
205	48	222	27.0

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 273.4
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
292 ft Main boom, Load fall point Boom, HPT head (2821-1)			
210	46.6	217	25.4
215	45.3	212	24.0
220	43.8	207	22.6
225	42.4	201	21.3
230	40.9	196	20.0
235	39.3	190	18.8
240	37.7	183	17.6
245	36.1	176	16.5
250	34.3	169	15.4
255	32.5	161	14.3
260	30.6	153	13.3
265	28.6	144	12.3
270	26.4	134	11.4
275	24	123	10.5
280	21.4	110	9.6
285	18.4	96	8.7
292 ft Main boom, Load fall point Boom, HPT head (2821-2)			
36	86	301	79.4
40	85.2	300	79.4
45	84.2	300	79.4
50	83.2	299	79.4
55	82.2	298	79.4
60	81.2	297	79.4
65	80.2	296	79.4
70	79.2	295	79.4
75	78.3	294	79.4
80	77.2	293	79.4
85	76.2	291	79.4
90	75.2	290	79.4
95	74.2	288	79.4
100	73.2	287	79.4
105	72.2	285	77.5
110	71.1	283	73.2
115	70.1	281	69.2
120	69	279	65.4
125	68	277	61.2
130	66.9	275	57.2
135	65.8	272	53.4
140	64.8	270	49.9
145	63.7	267	46.7
150	62.5	264	43.6
155	61.4	262	40.8
160	60.3	258	38.1
165	59.1	255	35.6
170	58	252	33.2
175	56.8	249	31.0
180	55.8	246	29.1
185	54.6	242	27.1
190	53.4	238	25.2
195	52.1	234	23.4
200	50.9	230	21.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
292 ft Main boom, Load fall point Boom, HPT head (2821-2)			
205	49.6	225	20.1
210	48.2	221	18.5
215	46.9	216	17.0
220	45.5	211	15.6
225	44.1	205	14.2
230	42.6	200	12.9
235	41.1	194	11.6
240	39.5	187	10.4
245	37.9	181	9.3
250	36.2	174	8.1
255	34.4	166	7.1
260	32.6	158	6.0
265	30.6	149	5.0
270	28.5	140	4.0
275	26.3	129	3.1
280	23.8	118	2.1
302 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	86	308	66.4
35	85.2	308	177.3
40	84.2	307	176.4
45	83.2	307	175.5
50	82.3	306	170.4
55	81.3	305	161.3
60	80.4	304	153.6
65	79.4	303	147.2
70	78.4	302	140.7
75	77.5	301	129.7
80	76.5	300	119.8
85	75.5	299	110.9
90	74.5	297	103.1
95	73.5	296	96.4
100	72.5	294	91.2
105	71.5	292	85.9
110	70.5	291	80.4
115	69.5	289	75.3
120	68.5	287	70.6
125	67.4	285	66.3
130	66.4	282	62.3
135	65.4	280	58.7
140	64.3	278	55.2
145	63.2	275	52.1
150	62.2	272	49.1
155	61.1	270	46.3
160	60	267	43.7
165	58.9	264	41.2
170	57.7	261	38.9
175	56.6	257	36.7
180	55.4	254	34.7
185	54.5	251	32.9
190	53.3	247	31.1
195	52.1	243	29.3
200	50.9	239	27.6
205	49.7	235	26.0
210	48.4	230	24.5
215	47.1	226	23.1

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
302 ft Main boom, Load fall point Boom, HPT head (2821-1)			
220	45.8	221	21.7
225	44.4	216	20.4
230	43	210	19.1
235	41.6	205	17.9
240	40.1	199	16.7
245	38.6	193	15.6
250	37	186	14.5
255	35.4	179	13.4
260	33.7	172	12.4
265	31.9	164	11.5
270	30	155	10.5
275	28	146	9.6
280	25.9	136	8.7
285	23.5	124	7.9
290	20.9	112	7.0
295	18	97	6.2
312 ft Main boom, Load fall point Boom, HPT head (2821-1)			
31	86	318	165.4
35	85.3	318	165.4
40	84.4	317	164.2
45	83.5	317	162.8
50	82.5	316	160.1
55	81.6	315	152.9
60	80.7	314	146.7
65	79.7	313	141.7
70	78.8	312	137.7
75	77.9	311	128.3
80	76.9	310	118.6
85	76	309	109.9
90	75	308	102.1
95	74.1	306	95.3
100	73.1	304	89.5
105	72.1	303	84.8
110	71.2	301	79.6
115	70.2	299	74.5
120	69.2	297	69.9
125	68.2	295	65.5
130	67.2	293	61.6
135	66.2	291	57.9
140	65.2	289	54.5
145	64.2	286	51.3
150	63.1	284	48.3
155	62.1	281	45.5
160	61	278	42.9
165	60	275	40.4
170	58.9	272	38.1
175	57.8	269	35.9
180	56.7	266	33.9
185	55.6	262	31.9
190	54.7	260	30.3
195	53.5	256	28.5
200	52.4	252	26.9
205	51.2	248	25.3
210	50	244	23.8
215	48.8	239	22.3
220	47.5	235	20.9
225	46.3	230	19.6

Load capacities main boom

Version: 9839979/59979/
Degree rating: limited °
Foot print: 3-blocked crawlers
Counterweight [1000 lbs]: 273.4
Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
312 ft Main boom, Load fall point Boom, HPT head (2821-1)			
230	45	225	18.3
235	43.6	220	17.1
240	42.3	214	15.9
245	40.8	208	14.8
250	39.4	202	13.7
255	37.9	196	12.7
260	36.4	189	11.7
265	34.7	182	10.7
270	33.1	174	9.8
275	31.3	166	8.9
280	29.4	157	8.0
285	27.5	148	7.2
290	25.4	137	6.3
295	23	126	5.5
300	20.5	113	4.8
305	17.6	98	4.0
322 ft Main boom, Load fall point Boom, HPT head (2821-1)			
32	86	328	155.5
35	85.5	328	155.5
40	84.6	327	154.6
45	83.7	327	153.1
50	82.8	326	152.0
55	81.9	325	146.1
60	81	324	140.7
65	80.1	323	136.1
70	79.1	322	132.3
75	78.2	321	126.7
80	77.3	320	117.2
85	76.4	319	108.6
90	75.5	318	100.9
95	74.6	316	94.0
100	73.6	315	88.0
105	72.7	313	82.9
110	71.8	312	78.3
115	70.8	310	73.6
120	69.9	308	68.9
125	68.9	306	64.6
130	67.9	304	60.6
135	67	302	56.9
140	66	300	53.5
145	65	297	50.3
150	64	295	47.4
155	63	292	44.6
160	62	290	42.0
165	61	287	39.5
170	59.9	284	37.2
175	58.9	281	35.0
180	57.9	278	32.9
185	56.8	274	31.0
190	55.9	272	29.2
195	54.8	268	27.6
200	53.7	264	25.9
205	52.6	260	24.3
210	51.5	256	22.8
215	50.3	252	21.4
220	49.1	248	20.0
225	47.9	244	18.7
230	46.7	239	17.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
322 ft Main boom, Load fall point Boom, HPT head (2821-1)			
235	45.5	234	16.2
240	44.2	229	15.0
245	42.9	223	13.9
250	41.5	218	12.8
255	40.1	212	11.8
260	38.7	206	10.8
265	37.2	199	9.8
270	35.7	192	8.9
275	34.1	185	8.0
280	32.5	177	7.1
285	30.7	168	6.3
290	28.9	160	5.5
295	27	150	4.7
300	24.9	139	3.9
305	22.6	127	3.1
310	20.1	114	2.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 251.3
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
66 ft Main boom, Load fall point Boom, HPT head (2821-1)			
14	86	73	66.4
15	85.2	72	603.2
20	80.8	72	574.2
25	76.2	70	476.6
30	71.6	68	393.9
35	66.8	66	334.7
40	61.9	63	290.3
45	56.6	60	255.6
50	50.9	56	227.9
55	44.7	51	205.1
60	37.5	44	186.0
65	28.7	36	169.7
66 ft Main boom, Load fall point Boom, HPT head (2821-2)			
20	86	75	79.4
25	81.7	74	79.4
30	77.3	72	79.4
35	72.8	70	79.4
40	68	67	79.4
45	63.1	64	79.4
50	57.9	60	79.4
55	52.2	55	79.4
60	45.8	50	79.4
65	38.4	42	79.4
70	28.7	32	79.4
76 ft Main boom, Load fall point Boom, HPT head (2821-1)			
15	86	82	66.4
15	85.8	82	661.4
20	82	82	587.5
25	78.1	80	476.5
30	74.1	79	393.8
35	70.1	77	334.7
40	65.9	75	290.3
45	61.5	72	255.8
50	57	69	228.1
55	52.1	65	205.4
60	46.9	60	186.4
65	41.1	54	170.3
70	34.5	47	154.5
75	26.2	37	140.4
76 ft Main boom, Load fall point Boom, HPT head (2821-2)			
21	86	85	79.4
25	82.7	84	79.4
30	78.9	82	79.4
35	75.1	80	79.4
40	71.1	78	79.4
45	66.9	75	79.4
50	62.6	72	79.4
55	58.1	68	79.4
60	53.2	64	79.4
65	47.9	59	79.4
70	42	52	79.4
75	35	44	79.4
80	25.8	33	79.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
85 ft Main boom, Load fall point Boom, HPT head (2821-1)			
15	86	92	66.4
20	82.9	92	588.9
25	79.5	91	475.7
30	76	89	393.1
35	72.5	88	334.0
40	68.9	86	289.6
45	65.1	83	255.1
50	61.3	80	227.4
55	57.3	77	204.8
60	53.1	73	185.8
65	48.5	69	169.8
70	43.7	64	154.6
75	38.3	57	140.6
80	32	49	128.7
85	24.2	39	118.3
85 ft Main boom, Load fall point Boom, HPT head (2821-2)			
21	86	94	79.4
25	83.6	94	79.4
30	80.2	92	79.4
35	76.8	91	79.4
40	73.3	89	79.4
45	69.8	86	79.4
50	66.1	84	79.4
55	62.3	81	79.4
60	58.3	77	79.4
65	54	73	79.4
70	49.5	68	79.4
75	44.5	62	79.4
80	38.9	55	79.4
85	32.3	46	79.4
90	23.4	34	79.4
95 ft Main boom, Load fall point Boom, HPT head (2821-1)			
16	86	102	662.4
20	83.7	102	583.2
25	80.6	101	473.9
30	77.5	100	393.2
35	74.4	98	334.2
40	71.2	96	289.8
45	67.9	94	255.3
50	64.6	92	227.7
55	61.1	89	205.1
60	57.5	86	186.2
65	53.8	82	170.2
70	49.8	78	155.0
75	45.6	73	141.1
80	41	67	129.2
85	35.9	60	119.0
90	29.9	52	110.0
95	22.5	40	102.1

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
95 ft Main boom, Load fall point Boom, HPT head (2821-2)			
22	86	104	79.4
25	84.2	104	79.4
30	81.2	102	79.4
35	78.2	101	79.4
40	75.1	99	79.4
45	72	97	79.4
50	68.7	95	79.4
55	65.4	92	79.4
60	62	89	79.4
65	58.4	86	79.4
70	54.6	82	79.4
75	50.6	77	79.4
80	46.3	71	79.4
85	41.6	65	79.4
90	36.3	58	79.4
95	30	48	79.4
100	21.5	34	79.4
105 ft Main boom, Load fall point Boom, HPT head (2821-1)			
17	86	112	642.5
20	84.3	112	577.5
25	81.5	111	470.7
30	78.7	110	392.4
35	75.9	108	333.3
40	73	107	289.0
45	70.1	105	254.5
50	67.1	103	226.9
55	64.1	100	204.3
60	60.9	97	185.4
65	57.7	94	169.4
70	54.3	90	154.8
75	50.8	86	140.9
80	47	82	129.0
85	43	76	118.8
90	38.7	70	109.9
95	33.8	63	102.0
100	28.2	54	95.1
105	22.7	44	33.4
105 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	114	79.4
25	84.8	114	79.4
30	82.1	113	79.4
35	79.3	111	79.4
40	76.5	110	79.4
45	73.7	108	79.4
50	70.8	106	79.4
55	67.9	103	79.4
60	64.9	101	79.4
65	61.7	98	79.4
70	58.5	94	79.4
75	55.1	90	79.4
80	51.5	86	79.4
85	47.8	81	79.4
90	43.7	75	79.4
95	39.2	68	79.4
100	34.1	60	79.4
105	28.1	50	79.4
110	19.8	35	78.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 251.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
115 ft Main boom, Load fall point Boom, HPT head (2821-1)			
18	86	122	610.6
20	84.8	121	572.3
25	82.2	121	468.3
30	79.7	120	391.9
35	77.1	118	332.8
40	74.5	117	288.5
45	71.9	115	254.0
50	69.2	113	226.4
55	66.5	111	203.8
60	63.7	109	185.0
65	60.8	106	169.0
70	57.9	103	154.7
75	54.8	99	140.7
80	51.6	95	128.9
85	48.2	90	118.7
90	44.7	85	109.8
95	40.9	80	102.0
100	36.7	73	95.1
105	32	65	88.9
110	26.6	55	83.3
115	21.4	46	33.4
115 ft Main boom, Load fall point Boom, HPT head (2821-2)			
23	86	124	79.4
25	85.2	124	79.4
30	82.7	123	79.4
35	80.2	122	79.4
40	77.7	120	79.4
45	75.1	118	79.4
50	72.5	116	79.4
55	69.9	114	79.4
60	67.2	112	79.4
65	64.4	109	79.4
70	61.5	106	79.4
75	58.6	103	79.4
80	55.5	99	79.4
85	52.3	94	79.4
90	48.9	90	79.4
95	45.3	84	79.4
100	41.4	78	79.4
105	37.1	70	79.4
110	32.2	62	78.7
115	26.4	51	73.5
120	18.4	35	68.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
125 ft Main boom, Load fall point Boom, HPT head (2821-1)			
18	86	132	580.4
20	85.2	131	570.6
25	82.9	131	466.0
30	80.5	130	391.0
35	78.2	129	331.9
40	75.8	127	287.6
45	73.4	126	253.1
50	70.9	124	225.5
55	68.5	122	202.9
60	65.9	120	184.1
65	63.4	117	168.1
70	60.7	114	154.4
75	58	111	140.4
80	55.2	108	128.5
85	52.3	104	118.3
90	49.2	99	109.4
95	46	94	101.6
100	42.6	89	94.7
105	39	83	88.5
110	35	76	83.0
115	30.5	67	78.0
120	25.3	57	73.4
125	20.2	47	33.4
125 ft Main boom, Load fall point Boom, HPT head (2821-2)			
24	86	134	79.4
25	85.6	134	79.4
30	83.3	133	79.4
35	81	132	79.4
40	78.7	130	79.4
45	76.3	129	79.4
50	74	127	79.4
55	71.5	125	79.4
60	69.1	123	79.4
65	66.6	120	79.4
70	64	118	79.4
75	61.4	114	79.4
80	58.6	111	79.4
85	55.8	107	79.4
90	52.9	103	79.4
95	49.8	98	79.4
100	46.6	93	79.4
105	43.1	87	79.4
110	39.4	81	78.5
115	35.3	73	73.4
120	30.6	64	68.7
125	24.7	52	64.4
130	19.1	40	33.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
134 ft Main boom, Load fall point Boom, HPT head (2821-1)			
19	86	141	553.0
20	85.5	141	553.0
25	83.4	141	462.9
30	81.2	140	388.6
35	79	139	331.8
40	76.9	138	287.4
45	74.6	136	253.0
50	72.4	134	225.4
55	70.1	133	202.8
60	67.8	130	183.9
65	65.5	128	168.0
70	63.1	126	154.3
75	60.6	123	140.3
80	58.1	120	128.5
85	55.5	116	118.3
90	52.8	112	109.4
95	50	108	101.6
100	47.1	103	94.7
105	44	98	88.5
110	40.8	92	83.0
115	37.3	86	78.0
120	33.4	78	73.5
125	29.1	70	69.3
130	24.1	59	65.5
134 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	144	79.4
25	85.9	143	79.4
30	83.8	143	79.4
35	81.7	142	79.4
40	79.5	140	79.4
45	77.4	139	79.4
50	75.2	137	79.4
55	72.9	136	79.4
60	70.7	134	79.4
65	68.4	131	79.4
70	66.1	129	79.4
75	63.7	126	79.4
80	61.2	123	79.4
85	58.7	120	79.4
90	56.1	116	79.4
95	53.4	112	79.4
100	50.6	107	79.4
105	47.7	102	79.4
110	44.6	97	78.6
115	41.2	90	73.5
120	37.6	84	68.9
125	33.5	75	64.6
130	29	65	60.7
135	23.6	54	57.1
140	18	40	33.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 251.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
144 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	86	151	66.4
20	85.8	151	526.6
25	83.8	150	456.1
30	81.8	150	386.3
35	79.8	149	330.8
40	77.8	148	286.5
45	75.7	146	252.1
50	73.6	145	224.5
55	71.5	143	201.9
60	69.4	141	183.0
65	67.3	139	167.1
70	65.1	137	153.4
75	62.8	134	140.0
80	60.5	131	128.1
85	58.2	128	117.9
90	55.8	125	109.0
95	53.3	121	101.2
100	50.7	117	94.3
105	48.1	112	88.1
110	45.3	107	82.6
115	42.3	102	77.6
120	39.2	96	73.1
125	35.8	89	69.0
130	32.1	81	65.2
135	27.9	72	61.7
140	23	60	58.4
144 ft Main boom, Load fall point Boom, HPT head (2821-2)			
25	86	153	79.4
30	84.2	153	79.4
35	82.2	152	79.4
40	80.2	151	79.4
45	78.2	149	79.4
50	76.2	148	79.4
55	74.1	146	79.4
60	72.1	144	79.4
65	70	142	79.4
70	67.8	140	79.4
75	65.6	137	79.4
80	63.4	134	79.4
85	61.1	131	79.4
90	58.8	128	79.4
95	56.4	124	79.4
100	53.9	120	79.4
105	51.3	116	78.9
110	48.6	111	77.6
115	45.7	106	73.2
120	42.7	100	68.5
125	39.5	93	64.3
130	36.1	86	60.5
135	32.1	77	56.9
140	27.8	67	53.6
145	22.3	54	50.4
150	16.9	41	33.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
154 ft Main boom, Load fall point Boom, HPT head (2821-1)			
20	86	161	66.4
25	84.2	160	451.7
30	82.4	160	384.4
35	80.5	159	330.2
40	78.6	158	285.9
45	76.7	157	251.4
50	74.7	155	223.8
55	72.8	154	201.2
60	70.8	152	182.4
65	68.8	150	166.5
70	66.8	148	152.8
75	64.7	145	139.7
80	62.6	142	127.8
85	60.5	140	117.6
90	58.3	136	108.7
95	56	133	100.9
100	53.7	129	94.0
105	51.3	125	87.8
110	48.9	121	82.3
115	46.3	116	77.3
120	43.6	111	72.8
125	40.7	105	68.7
130	37.7	99	64.9
135	34.4	91	61.4
140	30.8	83	58.2
145	26.8	73	55.2
150	22	62	52.4
154 ft Main boom, Load fall point Boom, HPT head (2821-2)			
26	86	163	79.4
30	84.6	163	79.4
35	82.7	162	79.4
40	80.9	161	79.4
45	79	159	79.4
50	77.1	158	79.4
55	75.2	156	79.4
60	73.2	155	79.4
65	71.3	153	79.4
70	69.3	151	79.4
75	67.3	148	79.4
80	65.2	146	79.4
85	63.1	143	79.4
90	61	140	79.4
95	58.8	136	79.4
100	56.6	133	79.4
105	54.2	129	79.4
110	51.8	125	78.0
115	49.3	120	72.9
120	46.7	115	68.3
125	44	109	64.1
130	41.1	103	60.2
135	37.9	96	56.7
140	34.6	88	53.4
145	30.8	79	50.3
150	26.5	69	47.5
155	21.4	56	44.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
164 ft Main boom, Load fall point Boom, HPT head (2821-1)			
21	86	171	475.6
25	84.6	170	446.9
30	82.8	170	382.5
35	81	169	328.2
40	79.3	168	285.0
45	77.5	167	250.5
50	75.7	165	222.9
55	73.8	164	200.3
60	72	162	181.5
65	70.1	160	165.5
70	68.3	158	151.9
75	66.3	156	139.2
80	64.4	154	127.4
85	62.4	151	117.1
90	60.4	148	108.2
95	58.4	145	100.4
100	56.2	142	93.5
105	54.1	138	87.3
110	51.9	134	81.8
115	49.6	130	76.8
120	47.2	125	72.3
125	44.7	120	68.2
130	42.1	114	64.4
135	39.3	108	61.0
140	36.4	102	57.8
145	33.2	94	54.8
150	29.7	85	52.0
155	25.8	75	49.4
160	21.1	63	47.0
164 ft Main boom, Load fall point Boom, HPT head (2821-2)			
27	86	173	79.4
30	84.9	172	79.4
35	83.2	172	79.4
40	81.4	171	79.4
45	79.6	170	79.4
50	77.9	168	79.4
55	76.1	167	79.4
60	74.3	165	79.4
65	72.5	163	79.4
70	70.6	161	79.4
75	68.7	159	79.4
80	66.8	157	79.4
85	64.9	154	79.4
90	62.9	151	79.4
95	60.9	148	79.4
100	58.8	145	79.4
105	56.7	141	79.4
110	54.6	138	77.5
115	52.3	133	72.5
120	50	129	67.9
125	47.6	124	63.7
130	45.1	118	59.8
135	42.4	113	56.3
140	39.6	106	53.0
145	36.6	99	50.0
150	33.4	91	47.2
155	29.6	81	44.5
160	25.4	70	42.0
165	20.3	56	39.6

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 251.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
174 ft Main boom, Load fall point Boom, HPT head (2821-1)			
22	86	181	448.5
25	84.9	180	438.3
30	83.2	180	377.6
35	81.6	179	326.0
40	79.9	178	284.7
45	78.2	177	250.2
50	76.5	176	222.6
55	74.8	174	200.0
60	73.1	173	181.1
65	71.3	171	165.2
70	69.6	169	151.5
75	67.8	167	139.0
80	66	165	127.1
85	64.1	162	116.9
90	62.3	160	108.0
95	60.4	157	100.2
100	58.4	154	93.3
105	56.4	150	87.1
110	54.4	146	81.6
115	52.3	143	76.6
120	50.2	138	72.1
125	47.9	134	68.0
130	45.6	129	64.2
135	43.2	124	60.8
140	40.7	118	57.6
145	38	111	54.6
150	35.2	104	51.9
155	32.1	96	49.3
160	28.7	88	46.9
165	24.9	77	44.6
170	20.3	64	42.5
174 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	183	79.4
30	85.2	182	79.4
35	83.5	182	79.4
40	81.9	181	79.4
45	80.2	180	79.4
50	78.6	178	79.4
55	76.9	177	79.4
60	75.2	176	79.4
65	73.5	174	79.4
70	71.7	172	79.4
75	70	170	79.4
80	68.2	168	79.4
85	66.4	165	79.4
90	64.6	163	79.4
95	62.7	160	79.1
100	60.8	157	78.8
105	58.9	154	78.5
110	56.9	150	77.3
115	54.9	146	72.3
120	52.8	142	67.7
125	50.6	138	63.5
130	48.3	133	59.6
135	46	128	56.1
140	43.6	122	52.9
145	41	116	49.8
150	38.2	109	47.0
155	35.3	102	44.4
160	32.2	93	42.0
165	28.6	83	39.6
170	24.6	72	37.5
175	19.6	58	35.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
184 ft Main boom, Load fall point Boom, HPT head (2821-1)			
22	86	190	419.7
25	85.2	190	419.7
30	83.6	190	368.6
35	82	189	323.8
40	80.4	188	283.7
45	78.8	187	249.2
50	77.2	186	221.6
55	75.6	184	199.0
60	74	183	180.2
65	72.4	181	164.3
70	70.7	180	150.6
75	69	178	138.6
80	67.3	176	126.7
85	65.6	173	116.4
90	63.9	171	107.5
95	62.1	168	99.7
100	60.3	165	92.8
105	58.5	162	86.6
110	56.6	159	81.1
115	54.7	155	76.1
120	52.7	151	71.6
125	50.7	147	67.5
130	48.6	143	63.7
135	46.5	138	60.3
140	44.2	133	57.1
145	41.9	127	54.1
150	39.4	121	51.4
155	36.8	114	48.8
160	34.1	107	46.4
165	31.1	99	44.2
170	27.8	90	42.1
175	24	79	40.1
180	19.6	65	38.2
184 ft Main boom, Load fall point Boom, HPT head (2821-2)			
28	86	193	79.4
30	85.4	192	79.4
35	83.9	192	79.4
40	82.3	191	79.4
45	80.8	190	79.4
50	79.2	189	79.4
55	77.6	187	79.4
60	76	186	79.4
65	74.4	184	79.4
70	72.8	182	79.4
75	71.1	180	79.4
80	69.4	178	79.4
85	67.8	176	79.4
90	66.1	174	79.4
95	64.3	171	79.4
100	62.5	168	78.1
105	60.8	165	76.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
184 ft Main boom, Load fall point Boom, HPT head (2821-2)			
110	58.9	162	75.7
115	57	158	71.8
120	55.1	155	67.2
125	53.1	151	63.0
130	51.1	146	59.2
135	49	142	55.7
140	46.8	137	52.4
145	44.6	131	49.4
150	42.2	125	46.6
155	39.7	119	44.0
160	37	112	41.5
165	34.2	104	39.3
170	31	95	37.1
175	27.7	85	35.1
180	24.6	76	33.3
185	20	62	31.4
194 ft Main boom, Load fall point Boom, HPT head (2821-1)			
23	86	200	392.7
25	85.4	200	392.7
30	83.9	200	358.4
35	82.4	199	321.6
40	80.9	198	281.4
45	79.4	197	248.5
50	77.9	196	220.9
55	76.4	195	198.3
60	74.8	193	179.5
65	73.3	192	163.6
70	71.7	190	149.9
75	70.2	188	138.1
80	68.6	186	126.3
85	66.9	184	116.0
90	65.3	182	107.1
95	63.7	179	99.3
100	62	176	92.4
105	60.3	174	86.2
110	58.5	170	80.7
115	56.8	167	75.7
120	54.9	164	71.2
125	53.1	160	67.1
130	51.2	156	63.3
135	49.2	151	59.9
140	47.2	147	56.7
145	45.1	142	53.7
150	42.9	136	51.0
155	40.7	131	48.4
160	38.3	124	46.0
165	35.7	117	43.8
170	33	110	41.7
175	30.1	101	39.8
180	26.9	92	37.9
185	23.2	80	36.1
190	18.9	66	34.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 251.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
194 ft Main boom, Load fall point Boom, HPT head (2821-2)			
29	86	202	79.4
30	85.7	202	79.4
35	84.2	202	79.4
40	82.7	201	79.4
45	81.2	200	79.4
50	79.7	199	79.4
55	78.2	198	79.4
60	76.7	196	79.4
65	75.2	195	79.4
70	73.7	193	79.4
75	72.1	191	79.4
80	70.5	189	79.4
85	69	187	79.4
90	67.4	185	79.4
95	65.7	182	79.4
100	64.1	180	79.1
105	62.4	177	76.9
110	60.7	174	74.9
115	58.9	170	71.4
120	57.2	167	66.8
125	55.4	163	62.6
130	53.5	159	58.8
135	51.6	155	55.3
140	49.6	150	52.0
145	47.6	146	49.0
150	45.4	140	46.2
155	43.2	135	43.6
160	40.9	129	41.2
165	38.5	122	38.9
170	35.9	115	36.8
175	33.2	107	34.8
180	30.8	100	33.0
185	27.5	90	31.2
190	23.8	78	29.5
195	19.2	63	27.8
203 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	210	363.6
25	85.6	210	363.6
30	84.2	209	344.3
35	82.8	209	319.1
40	81.4	208	278.6
45	79.9	207	247.6
50	78.5	206	220.0
55	77	205	197.4
60	75.6	204	178.6
65	74.1	202	162.6
70	72.6	200	149.0
75	71.2	199	137.1
80	69.7	197	125.9
85	68.1	195	115.6
90	66.6	192	106.7
95	65	190	98.8
100	63.5	188	91.9
105	61.9	185	85.7
110	60.2	182	80.2
115	58.6	179	75.2
120	56.9	176	70.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
203 ft Main boom, Load fall point Boom, HPT head (2821-1)			
125	55.2	172	66.6
130	53.4	168	62.8
135	51.6	164	59.3
140	49.8	160	56.1
145	47.9	156	53.2
150	45.9	151	50.4
155	43.8	146	47.9
160	41.7	140	45.5
165	39.5	134	43.3
170	37.2	127	41.2
175	34.7	120	39.2
180	32.1	112	37.4
185	29.2	103	35.6
190	26.1	93	34.0
195	23.3	84	32.5
200	19.2	71	31.0
203 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	86	212	79.4
30	85.9	212	79.4
35	84.5	212	79.4
40	83.1	211	79.4
45	81.7	210	79.4
50	80.2	209	79.4
55	78.8	208	79.4
60	77.4	206	79.4
65	75.9	205	79.4
70	74.5	203	79.4
75	73	202	79.4
80	71.5	200	79.4
85	70	198	79.4
90	68.5	196	79.4
95	67	193	79.4
100	65.4	191	79.4
105	63.9	188	78.7
110	62.3	185	75.5
115	60.6	182	71.0
120	59	179	66.4
125	57.3	176	62.2
130	55.6	172	58.3
135	53.8	168	54.8
140	52	164	51.5
145	50.1	159	48.5
150	48.2	154	45.7
155	46.2	149	43.1
160	44.1	144	40.7
165	42	138	38.4
170	39.7	132	36.3
175	37.4	125	34.3
180	35.5	119	32.6
185	32.8	111	30.8
190	29.9	102	29.0
195	26.7	91	27.2
200	23	79	25.5
205	18.5	64	23.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
213 ft Main boom, Load fall point Boom, HPT head (2821-1)			
24	86	220	66.4
25	85.8	220	337.2
30	84.5	219	328.2
35	83.1	219	310.4
40	81.8	218	276.3
45	80.4	217	244.4
50	79	216	219.6
55	77.7	215	197.0
60	76.3	214	178.1
65	74.9	212	162.2
70	73.5	211	148.5
75	72.1	209	136.7
80	70.6	207	125.5
85	69.2	205	115.3
90	67.7	203	106.3
95	66.3	201	98.5
100	64.8	199	91.6
105	63.3	196	85.4
110	61.7	193	79.9
115	60.2	190	74.9
120	58.6	187	70.3
125	57	184	66.2
130	55.4	181	62.5
135	53.7	177	59.0
140	52	173	55.8
145	50.2	169	52.9
150	48.4	164	50.1
155	46.6	160	47.6
160	44.7	155	45.2
165	42.7	149	43.0
170	40.6	143	40.9
175	38.5	137	39.0
180	36.2	130	37.1
185	33.8	123	35.4
190	31.2	115	33.7
195	29	108	32.3
200	26	98	30.8
205	22.6	86	29.4
210	18.6	72	28.0
213 ft Main boom, Load fall point Boom, HPT head (2821-2)			
30	86	222	79.4
35	84.7	221	79.4
40	83.4	221	79.4
45	82	220	79.4
50	80.7	219	79.4
55	79.3	218	79.4
60	78	216	79.4
65	76.6	215	79.4
70	75.2	214	79.4
75	73.8	212	79.4
80	72.4	210	79.4
85	71	208	79.4
90	69.6	206	79.4
95	68.1	204	79.4
100	66.6	202	79.4
105	65.2	199	79.4
110	63.7	196	75.7
115	62.1	194	70.6
120	60.6	191	66.0
125	59	187	61.9
130	57.4	184	58.0
135	55.8	180	54.5

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 251.3
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
213 ft Main boom, Load fall point Boom, HPT head (2821-2)			
140	54.1	176	51.2
145	52.4	172	48.2
150	50.6	168	45.4
155	48.8	163	42.9
160	46.9	158	40.4
165	45	153	38.2
170	43	147	36.0
175	40.9	141	34.0
180	39.2	136	32.3
185	36.9	129	30.6
190	34.5	122	28.7
195	31.9	113	26.9
200	29	104	25.2
205	25.9	93	23.6
210	22.3	80	22.0
215	17.9	64	20.4
223 ft Main boom, Load fall point Boom, HPT head (2821-1)			
25	86	230	66.4
30	84.7	229	311.2
35	83.4	229	296.3
40	82.1	228	272.2
45	80.8	227	241.1
50	79.5	226	217.4
55	78.2	225	196.0
60	76.9	224	177.2
65	75.6	222	161.2
70	74.2	221	147.6
75	72.9	220	135.7
80	71.5	218	125.1
85	70.2	216	114.8
90	68.8	214	105.9
95	67.4	212	98.0
100	66	210	91.1
105	64.6	207	84.9
110	63.1	205	79.4
115	61.6	202	74.4
120	60.2	199	69.8
125	58.7	196	65.7
130	57.1	193	61.9
135	55.6	189	58.5
140	54	186	55.3
145	52.3	182	52.3
150	50.7	178	49.6
155	49	173	47.0
160	47.2	168	44.7
165	45.4	164	42.5
170	43.5	158	40.4
175	41.6	153	38.4
180	39.6	147	36.6
185	37.5	140	34.8
190	35.8	135	33.3
195	33.4	127	31.8
200	31	119	30.3
205	28.3	110	28.9
210	25.3	99	27.5
215	22	87	26.3
220	18	73	25.0

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
223 ft Main boom, Load fall point Boom, HPT head (2821-2)			
31	86	232	79.4
35	85	231	79.4
40	83.7	231	79.4
45	82.4	230	79.4
50	81.1	229	79.4
55	79.8	228	79.4
60	78.5	227	79.4
65	77.2	225	79.4
70	75.9	224	79.4
75	74.5	222	79.4
80	73.2	221	79.4
85	71.9	219	79.4
90	70.5	217	79.4
95	69.1	215	79.4
100	67.7	213	79.4
105	66.3	210	79.4
110	64.9	208	75.3
115	63.5	205	70.2
120	62	202	65.6
125	60.5	199	61.4
130	59	196	57.5
135	57.5	192	54.0
140	55.9	189	50.8
145	54.3	185	47.7
150	52.7	181	45.0
155	51	177	42.4
160	49.3	172	39.9
165	47.5	167	37.7
170	45.7	162	35.5
175	43.8	157	33.5
180	42.3	152	31.8
185	40.3	146	29.8
190	38.2	139	27.9
195	35.9	132	26.1
200	33.6	124	24.4
205	31	115	22.8
210	28.2	106	21.3
215	25.1	95	19.7
220	21.6	82	18.3
225	17.2	65	16.8
233 ft Main boom, Load fall point Boom, HPT head (2821-1)			
26	86	240	66.4
30	85	239	294.7
35	83.7	238	277.8
40	82.5	238	261.3
45	81.2	237	233.8
50	80	236	212.0
55	78.7	235	195.3
60	77.5	234	176.5
65	76.2	233	160.5
70	74.9	231	146.8
75	73.6	230	135.0
80	72.3	228	124.6
85	71	226	114.4
90	69.7	225	105.4
95	68.4	223	97.6
100	67.1	220	90.6
105	65.7	218	84.4
110	64.3	216	78.9
115	63	213	73.9
120	61.6	210	69.4
125	60.1	208	65.2
130	58.7	204	61.5
135	57.2	201	58.0
140	55.7	198	54.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
233 ft Main boom, Load fall point Boom, HPT head (2821-1)			
145	54.2	194	51.9
150	52.7	190	49.1
155	51.1	186	46.6
160	49.5	182	44.2
165	47.8	177	42.0
170	46.1	172	39.9
175	44.3	167	38.0
180	42.5	162	36.1
185	40.6	156	34.4
190	39.1	151	32.9
195	37	145	31.3
200	34.9	137	29.9
205	32.6	130	28.5
210	30.2	121	27.1
215	27.6	112	25.9
220	24.7	101	24.6
225	21.4	89	23.5
233 ft Main boom, Load fall point Boom, HPT head (2821-2)			
32	86	242	79.4
35	85.2	241	79.4
40	83.9	241	79.4
45	82.7	240	79.4
50	81.5	239	79.4
55	80.2	238	79.4
60	79	237	79.4
65	77.7	236	79.4
70	76.5	234	79.4
75	75.2	233	79.4
80	73.9	231	79.4
85	72.7	229	79.3
90	71.4	228	78.8
95	70	226	78.2
100	68.7	223	77.8
105	67.4	221	77.3
110	66	219	74.8
115	64.7	216	69.8
120	63.3	214	65.1
125	61.9	211	61.0
130	60.5	208	57.1
135	59	204	53.6
140	57.6	201	50.3
145	56.1	198	47.3
150	54.6	194	44.5
155	53	190	41.9
160	51.4	186	39.5
165	49.8	181	37.2
170	48.1	176	35.1
175	46.4	171	32.9
180	45	167	31.1
185	43.2	162	29.2
190	41.3	156	27.3
195	39.3	149	25.5
200	37.2	142	23.8
205	35	135	22.2
210	32.7	127	20.7
215	30.2	118	19.2
220	27.5	108	17.8
225	24.5	96	16.4
230	21	83	15.0
235	16.7	66	13.7

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 251.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
243 ft Main boom, Load fall point Boom, HPT head (2821-1)			
26	86	249	273.2
30	85.2	249	273.2
35	84	248	261.0
40	82.8	248	250.9
45	81.6	247	226.5
50	80.4	246	206.5
55	79.2	245	191.1
60	78	244	175.5
65	76.8	243	159.6
70	75.5	242	145.9
75	74.3	240	134.0
80	73.1	239	123.7
85	71.8	237	113.9
90	70.6	235	104.9
95	69.3	233	97.1
100	68	231	90.1
105	66.8	229	83.9
110	65.5	227	78.4
115	64.1	224	73.4
120	62.8	222	68.8
125	61.5	219	64.7
130	60.1	216	60.9
135	58.7	213	57.5
140	57.3	210	54.3
145	55.9	206	51.3
150	54.4	203	48.6
155	52.9	199	46.0
160	51.4	195	43.7
165	49.9	191	41.4
170	48.3	186	39.4
175	46.7	181	37.4
180	45	176	35.6
185	43.3	171	33.8
190	41.9	167	32.3
195	40.1	161	30.8
200	38.2	154	29.3
205	36.2	148	27.9
210	34.1	140	26.6
215	31.8	132	25.3
220	29.5	123	24.1
225	26.9	114	22.9
230	24	103	21.6
235	20.8	90	20.4
243 ft Main boom, Load fall point Boom, HPT head (2821-2)			
32	86	252	79.4
35	85.4	251	79.4
40	84.2	250	79.4
45	83	250	79.4
50	81.8	249	79.4
55	80.6	248	79.4
60	79.4	247	79.4
65	78.2	246	79.4
70	77	244	79.4
75	75.8	243	79.4
80	74.6	241	79.4
85	73.4	240	79.4
90	72.1	238	78.7
95	70.9	236	77.3
100	69.6	234	76.0
105	68.4	232	74.8
110	67.1	230	73.8
115	65.8	227	69.3
120	64.5	225	64.7
125	63.2	222	60.5
130	61.8	219	56.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
243 ft Main boom, Load fall point Boom, HPT head (2821-2)			
135	60.5	216	53.1
140	59.1	213	49.8
145	57.7	210	46.8
150	56.2	206	44.0
155	54.8	202	41.4
160	53.3	198	38.9
165	51.8	194	36.5
170	50.2	190	34.2
175	49	186	32.0
180	47.3	181	30.2
185	45.7	176	28.3
190	43.9	171	26.4
195	42.2	165	24.7
200	40.3	159	23.0
205	38.4	152	21.4
210	36.3	145	19.9
215	34.2	137	18.4
220	31.9	129	17.0
225	29.5	120	15.6
230	26.8	109	14.3
235	23.8	98	13.0
240	20.4	84	11.8
245	16.1	66	10.5
253 ft Main boom, Load fall point Boom, HPT head (2821-1)			
27	86	259	257.6
30	85.3	259	257.6
35	84.2	258	252.9
40	83.1	258	247.8
45	81.9	257	227.8
50	80.8	256	206.6
55	79.6	255	189.9
60	78.5	254	175.0
65	77.3	253	159.1
70	76.1	252	145.4
75	74.9	250	133.5
80	73.8	249	123.1
85	72.6	247	113.5
90	71.4	246	104.6
95	70.2	244	96.7
100	68.9	242	89.7
105	67.7	240	83.6
110	66.5	238	78.0
115	65.2	235	73.0
120	64	233	68.5
125	62.7	230	64.3
130	61.4	227	60.5
135	60.1	224	57.1
140	58.7	221	53.9
145	57.4	218	50.9
150	56	215	48.2
155	54.6	211	45.6
160	53.2	207	43.3
165	51.8	203	41.1

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
253 ft Main boom, Load fall point Boom, HPT head (2821-1)			
170	50.3	199	39.0
175	48.8	195	37.0
180	47.2	190	35.2
185	45.6	185	33.5
190	44.4	181	32.0
195	42.7	176	30.4
200	41	170	28.9
205	39.2	164	27.6
210	37.3	157	26.2
215	35.3	150	25.0
220	33.3	143	23.7
225	31.1	135	22.4
230	28.8	126	21.1
235	26.2	116	19.9
240	23.4	104	18.8
245	20.3	91	17.6
253 ft Main boom, Load fall point Boom, HPT head (2821-2)			
33	86	261	79.4
35	85.5	261	79.4
40	84.4	260	79.4
45	83.3	260	79.4
50	82.1	259	79.4
55	81	258	79.4
60	79.9	257	79.4
65	78.7	256	79.4
70	77.6	254	79.4
75	76.4	253	79.4
80	75.2	252	79.4
85	74	250	79.4
90	72.9	248	79.4
95	71.7	247	77.4
100	70.5	245	75.4
105	69.2	243	73.5
110	68	240	71.8
115	66.8	238	68.9
120	65.6	236	64.3
125	64.3	233	60.1
130	63	230	56.2
135	61.7	228	52.7
140	60.4	225	49.4
145	59.1	221	46.4
150	57.7	218	43.6
155	56.4	214	41.0
160	55	211	38.5
165	53.5	207	36.0
170	52.1	203	33.7
175	50.9	199	31.8
180	49.4	195	29.8
185	47.9	190	27.8
190	46.3	185	26.0
195	44.6	180	24.2
200	42.9	174	22.5
205	41.2	168	20.9
210	39.4	162	19.4
215	37.5	155	17.9
220	35.5	148	16.5
225	33.4	140	15.2
230	31.2	131	13.9
235	28.7	122	12.6
240	26.1	111	11.4
245	23.2	99	10.3
250	19.8	85	9.1

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 251.3
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
262 ft Main boom, Load fall point Boom, HPT head (2821-1)			
28	86	269	239.9
30	85.5	269	239.9
35	84.4	268	237.6
40	83.3	268	234.0
45	82.2	267	221.9
50	81.1	266	202.5
55	80	265	186.7
60	78.9	264	174.1
65	77.8	263	158.1
70	76.7	262	144.4
75	75.5	261	132.6
80	74.4	259	122.2
85	73.2	258	113.1
90	72.1	256	104.1
95	70.9	254	96.2
100	69.8	252	89.3
105	68.6	250	83.1
110	67.4	248	77.5
115	66.2	246	72.5
120	65	244	67.9
125	63.8	241	63.8
130	62.6	239	60.0
135	61.3	236	56.5
140	60.1	233	53.3
145	58.8	230	50.4
150	57.5	227	47.6
155	56.2	223	45.1
160	54.8	220	42.7
165	53.5	216	40.5
170	52.1	212	38.4
175	50.7	208	36.5
180	49.2	204	34.6
185	47.7	199	32.9
190	46.6	195	31.4
195	45	190	29.9
200	43.4	185	28.4
205	41.8	179	27.0
210	40.1	173	25.6
215	38.3	167	24.2
220	36.5	160	22.8
225	34.6	153	21.5
230	32.6	145	20.3
235	30.4	137	19.1
240	28.1	128	17.9
245	25.6	117	16.8
250	22.9	106	15.7
255	19.8	92	14.7
262 ft Main boom, Load fall point Boom, HPT head (2821-2)			
34	86	271	79.4
35	85.7	271	79.4
40	84.6	270	79.4
45	83.5	270	79.4
50	82.4	269	79.4
55	81.3	268	79.4
60	80.2	267	79.4
65	79.1	266	79.4
70	78	265	79.4
75	76.9	263	79.4
80	75.8	262	79.4
85	74.7	260	79.4
90	73.5	259	79.4
95	72.4	257	78.6
100	71.2	255	75.8
105	70.1	253	73.1
110	68.9	251	70.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
262 ft Main boom, Load fall point Boom, HPT head (2821-2)			
115	67.7	249	68.4
120	66.6	247	63.8
125	65.3	244	59.6
130	64.1	242	55.8
135	62.9	239	52.2
140	61.6	236	48.9
145	60.4	233	45.9
150	59.1	230	42.9
155	57.8	226	40.2
160	56.5	223	37.6
165	55.1	219	35.1
170	54.1	216	33.1
175	52.7	212	30.9
180	51.3	208	28.9
185	49.8	204	26.9
190	48.3	199	25.1
195	46.8	194	23.3
200	45.3	189	21.7
205	43.7	183	20.1
210	42	178	18.6
215	40.3	172	17.1
220	38.5	165	15.7
225	36.7	158	14.4
230	34.7	150	13.1
235	32.6	142	11.8
240	30.4	133	10.6
245	28.1	124	9.5
250	25.5	113	8.4
255	22.6	100	7.3
260	19.3	86	6.2
272 ft Main boom, Load fall point Boom, HPT head (2821-1)			
28	86	279	222.0
30	85.7	279	222.0
35	84.6	278	221.2
40	83.6	278	219.0
45	82.5	277	213.6
50	81.4	276	196.1
55	80.4	275	181.5
60	79.3	274	170.0
65	78.2	273	157.4
70	77.1	272	143.7
75	76.1	271	131.8
80	75	269	121.4
85	73.9	268	112.3
90	72.8	266	103.6
95	71.7	265	95.8
100	70.5	263	88.8
105	69.4	261	82.6
110	68.3	259	77.0
115	67.1	257	72.0
120	66	255	67.4
125	64.8	252	63.3
130	63.6	250	59.5
135	62.5	247	56.0
140	61.3	244	52.8
145	60	241	49.9
150	58.8	238	47.1
155	57.6	235	44.6
160	56.3	232	42.2
165	55	228	40.0
170	53.7	224	37.9
175	52.4	221	36.0
180	51	217	34.1
185	49.9	213	32.4

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
272 ft Main boom, Load fall point Boom, HPT head (2821-1)			
190	48.5	209	30.9
195	47.1	204	29.4
200	45.6	199	27.9
205	44.1	194	26.3
210	42.5	189	24.9
215	40.9	183	23.5
220	39.3	177	22.1
225	37.5	170	20.8
230	35.7	163	19.6
235	33.9	156	18.4
240	31.9	148	17.2
245	29.8	139	16.1
250	27.5	130	15.1
255	25.1	119	14.0
260	22.4	107	13.0
265	19.3	94	12.1
272 ft Main boom, Load fall point Boom, HPT head (2821-2)			
34	86	281	79.4
35	85.9	281	79.4
40	84.8	280	79.4
45	83.8	280	79.4
50	82.7	279	79.4
55	81.7	278	79.4
60	80.6	277	79.4
65	79.5	276	79.4
70	78.5	275	79.4
75	77.4	274	79.4
80	76.3	272	79.4
85	75.2	271	79.4
90	74.1	269	79.4
95	73	268	79.4
100	71.9	266	77.2
105	70.8	264	74.0
110	69.7	262	71.0
115	68.6	260	68.0
120	67.4	258	63.3
125	66.3	255	59.2
130	65.1	253	55.3
135	64	250	51.7
140	62.8	247	48.3
145	61.6	244	45.2
150	60.3	242	42.2
155	59.1	238	39.4
160	57.9	235	36.9
165	56.6	232	34.4
170	55.6	229	32.4
175	54.3	225	30.2
180	52.9	221	28.2
185	51.6	217	26.2
190	50.2	212	24.4

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 251.3
 Carbody counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
272 ft Main boom, Load fall point Boom, HPT head (2821-2)			
195	48.8	208	22.6
200	47.3	203	21.0
205	45.9	198	19.4
210	44.3	193	17.9
215	42.8	187	16.4
220	41.1	181	15.0
225	39.5	175	13.7
230	37.7	168	12.4
235	35.9	161	11.2
240	34	153	10.0
245	31.9	145	8.9
250	29.8	136	7.8
255	27.5	126	6.7
260	24.9	114	5.6
265	22.1	102	4.6
270	18.8	87	3.6
282 ft Main boom, Load fall point Boom, HPT head (2821-1)			
29	86	289	205.3
30	85.8	289	205.3
35	84.8	288	204.8
40	83.8	288	202.9
45	82.8	287	201.1
50	81.7	286	186.8
55	80.7	285	174.8
60	79.7	284	165.0
65	78.6	283	156.4
70	77.6	282	142.7
75	76.6	281	130.9
80	75.5	280	120.5
85	74.5	278	111.3
90	73.4	277	103.2
95	72.3	275	95.3
100	71.3	273	88.3
105	70.2	272	82.1
110	69.1	270	76.5
115	68	268	71.5
120	66.9	265	66.9
125	65.8	263	62.8
130	64.6	261	59.0
135	63.5	258	55.5
140	62.4	256	52.3
145	61.2	253	49.3
150	60	250	46.6
155	58.8	247	44.0
160	57.6	244	41.7
165	56.4	240	39.4
170	55.2	237	37.3
175	53.9	233	35.4
180	52.6	229	33.6
185	51.6	226	32.0
190	50.3	222	30.3
195	48.9	218	28.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
282 ft Main boom, Load fall point Boom, HPT head (2821-1)			
200	47.5	213	27.0
205	46.1	208	25.4
210	44.7	203	23.9
215	43.2	198	22.5
220	41.7	192	21.2
225	40.1	186	19.9
230	38.5	180	18.7
235	36.8	173	17.5
240	35	166	16.3
245	33.2	158	15.2
250	31.2	150	14.2
255	29.1	141	13.2
260	26.9	132	12.2
265	24.5	121	11.2
270	21.9	109	10.3
275	18.8	95	9.4
282 ft Main boom, Load fall point Boom, HPT head (2821-2)			
35	86	291	79.4
40	85	290	79.4
45	84	290	79.4
50	83	289	79.4
55	81.9	288	79.4
60	80.9	287	79.4
65	79.9	286	79.4
70	78.9	285	79.4
75	77.8	284	79.4
80	76.8	282	79.4
85	75.8	281	79.4
90	74.7	280	79.4
95	73.6	278	79.4
100	72.6	276	79.1
105	71.5	274	75.2
110	70.4	272	71.5
115	69.4	270	67.2
120	68.3	268	62.6
125	67.2	266	58.4
130	66.1	264	54.4
135	64.9	261	50.8
140	63.8	259	47.4
145	62.7	256	44.3
150	61.5	253	41.3
155	60.3	250	38.5
160	59.1	247	36.0
165	57.9	244	33.5
170	57	241	31.5
175	55.7	237	29.3
180	54.5	234	27.3
185	53.2	230	25.3
190	51.9	225	23.5
195	50.5	221	21.7
200	49.2	217	20.1
205	47.8	212	18.5
210	46.4	207	17.0
215	44.9	202	15.5
220	43.4	196	14.1
225	41.9	190	12.8
230	40.3	184	11.5
235	38.7	178	10.3
240	36.9	171	9.1
245	35.1	163	8.0
250	33.3	156	6.9
255	31.3	147	5.9
260	29.1	138	4.8
265	26.9	127	3.8
270	24.3	116	2.9

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
292 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	86	298	66.4
30	86	298	191.3
35	85	298	191.3
40	84	297	189.5
45	83	297	188.2
50	82	296	178.8
55	81	295	168.1
60	80	294	159.2
65	79	293	152.1
70	78	292	142.0
75	77	291	130.3
80	76	290	119.9
85	75	288	110.8
90	74	287	102.6
95	72.9	285	94.8
100	71.9	284	87.9
105	70.9	282	81.6
110	69.8	280	76.1
115	68.8	278	71.0
120	67.7	276	66.5
125	66.6	274	62.3
130	65.6	272	58.6
135	64.5	269	55.1
140	63.4	267	51.9
145	62.3	264	48.9
150	61.1	261	46.2
155	60	258	43.6
160	58.8	255	41.2
165	57.7	252	39.0
170	56.5	249	36.9
175	55.3	245	35.0
180	54.4	242	33.3
185	53.1	239	31.5
190	51.9	235	29.7
195	50.6	231	28.0
200	49.3	226	26.4
205	48	222	24.9
210	46.6	217	23.4
215	45.3	212	22.0
220	43.8	207	20.6
225	42.4	201	19.3
230	40.9	196	18.1
235	39.3	190	16.9
240	37.7	183	15.8
245	36.1	176	14.7
250	34.3	169	13.6
255	32.5	161	12.6
260	30.6	153	11.7
265	28.6	144	10.7
270	26.4	134	9.8
275	24	123	8.9
280	21.4	110	8.0
285	18.4	96	7.2

Load capacities main boom

Version: 9839979/59979/ HPT foot: 2821-1
 Degree rating: limited °
 Foot print: 3-blocked crawlers
 Counterweight [1000 lbs]: 251.3
 Carbony counterweight [1000 lbs]: 125.7

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
302 ft Main boom, Load fall point Boom, HPT head (2821-1)			
30	86	308	66.4
35	85.2	308	177.3
40	84.2	307	176.4
45	83.2	307	175.5
50	82.3	306	170.4
55	81.3	305	161.3
60	80.4	304	153.6
65	79.4	303	147.2
70	78.4	302	140.7
75	77.5	301	129.4
80	76.5	300	119.0
85	75.5	299	109.8
90	74.5	297	101.7
95	73.5	296	94.4
100	72.5	294	87.4
105	71.5	292	81.2
110	70.5	291	75.6
115	69.5	289	70.5
120	68.5	287	66.0
125	67.4	285	61.8
130	66.4	282	58.0
135	65.4	280	54.5
140	64.3	278	51.3
145	63.2	275	48.4
150	62.2	272	45.6
155	61.1	270	43.1
160	60	267	40.7
165	58.9	264	38.4
170	57.7	261	36.4
175	56.6	257	34.3
180	55.7	255	32.5
185	54.5	251	30.6
190	53.3	247	28.8
195	52.1	243	27.1
200	50.9	239	25.5
205	49.7	235	23.9
210	48.4	230	22.5
215	47.1	226	21.1
220	45.8	221	19.7
225	44.4	216	18.4
230	43	210	17.2
235	41.6	205	16.0
240	40.1	199	14.9
245	38.6	193	13.8
250	37	186	12.8
255	35.4	179	11.7
260	33.7	172	10.8
265	31.9	164	9.8
270	30	155	8.9
275	28	146	8.0
280	25.9	136	7.2
285	23.5	124	6.4
290	20.9	112	5.6
295	18	97	4.8

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
312 ft Main boom, Load fall point Boom, HPT head (2821-1)			
31	86	318	165.4
35	85.3	318	165.4
40	84.4	317	164.2
45	83.5	317	162.8
50	82.5	316	160.1
55	81.6	315	152.9
60	80.7	314	146.7
65	79.7	313	141.7
70	78.8	312	137.7
75	77.9	311	128.3
80	76.9	310	118.2
85	76	309	109.1
90	75	308	100.9
95	74.1	306	93.6
100	73.1	304	86.9
105	72.1	303	80.7
110	71.2	301	75.1
115	70.2	299	70.0
120	69.2	297	65.5
125	68.2	295	61.3
130	67.2	293	57.5
135	66.2	291	54.0
140	65.2	289	50.8
145	64.2	286	47.8
150	63.1	284	45.1
155	62.1	281	42.5
160	61	278	40.2
165	60	275	37.8
170	58.9	272	35.6
175	57.8	269	33.5
180	56.9	266	31.6
185	55.8	263	29.8
190	54.7	260	28.0
195	53.5	256	26.3
200	52.4	252	24.7
205	51.2	248	23.2
210	50	244	21.7
215	48.8	239	20.3
220	47.5	235	19.0
225	46.3	230	17.7
230	45	225	16.4
235	43.6	220	15.3
240	42.3	214	14.1
245	40.8	208	13.0
250	39.4	202	12.0
255	37.9	196	11.0
260	36.4	189	10.0
265	34.7	182	9.1
270	33.1	174	8.2
275	31.3	166	7.3
280	29.4	157	6.5
285	27.5	148	5.6
290	25.4	137	4.9
295	23	126	4.1
300	20.5	113	3.3
305	17.6	98	2.6

Radius [ft]:	Main boom angle [°]:	Rope pulley height [ft]:	Load capacity [1000 lbs]
322 ft Main boom, Load fall point Boom, HPT head (2821-1)			
32	86	328	155.5
35	85.5	328	155.5
40	84.6	327	154.6
45	83.7	327	153.1
50	82.8	326	152.0
55	81.9	325	146.1
60	81	324	140.7
65	80.1	323	136.1
70	79.1	322	132.3
75	78.2	321	126.7
80	77.3	320	117.2
85	76.4	319	108.1
90	75.5	318	100.0
95	74.6	316	92.7
100	73.6	315	86.1
105	72.7	313	80.2
110	71.8	312	74.6
115	70.8	310	69.5
120	69.9	308	64.9
125	68.9	306	60.8
130	67.9	304	57.0
135	67	302	53.5
140	66	300	50.3
145	65	297	47.3
150	64	295	44.5
155	63	292	41.8
160	62	290	39.3
165	61	287	36.9
170	59.9	284	34.7
175	58.9	281	32.5
180	57.9	278	30.6
185	57	275	28.9
190	55.9	272	27.1
195	54.8	268	25.4
200	53.7	264	23.8
205	52.6	260	22.2
210	51.5	256	20.8
215	50.3	252	19.4
220	49.1	248	18.0
225	47.9	244	16.7
230	46.7	239	15.5
235	45.5	234	14.3
240	44.2	229	13.2
245	42.9	223	12.1
250	41.5	218	11.1
255	40.1	212	10.1
260	38.7	206	9.1
265	37.2	199	8.2
270	35.7	192	7.3
275	34.1	185	6.4
280	32.5	177	5.6
285	30.7	168	4.8
290	28.9	160	4.0
295	27	150	3.2
300	24.9	139	2.5