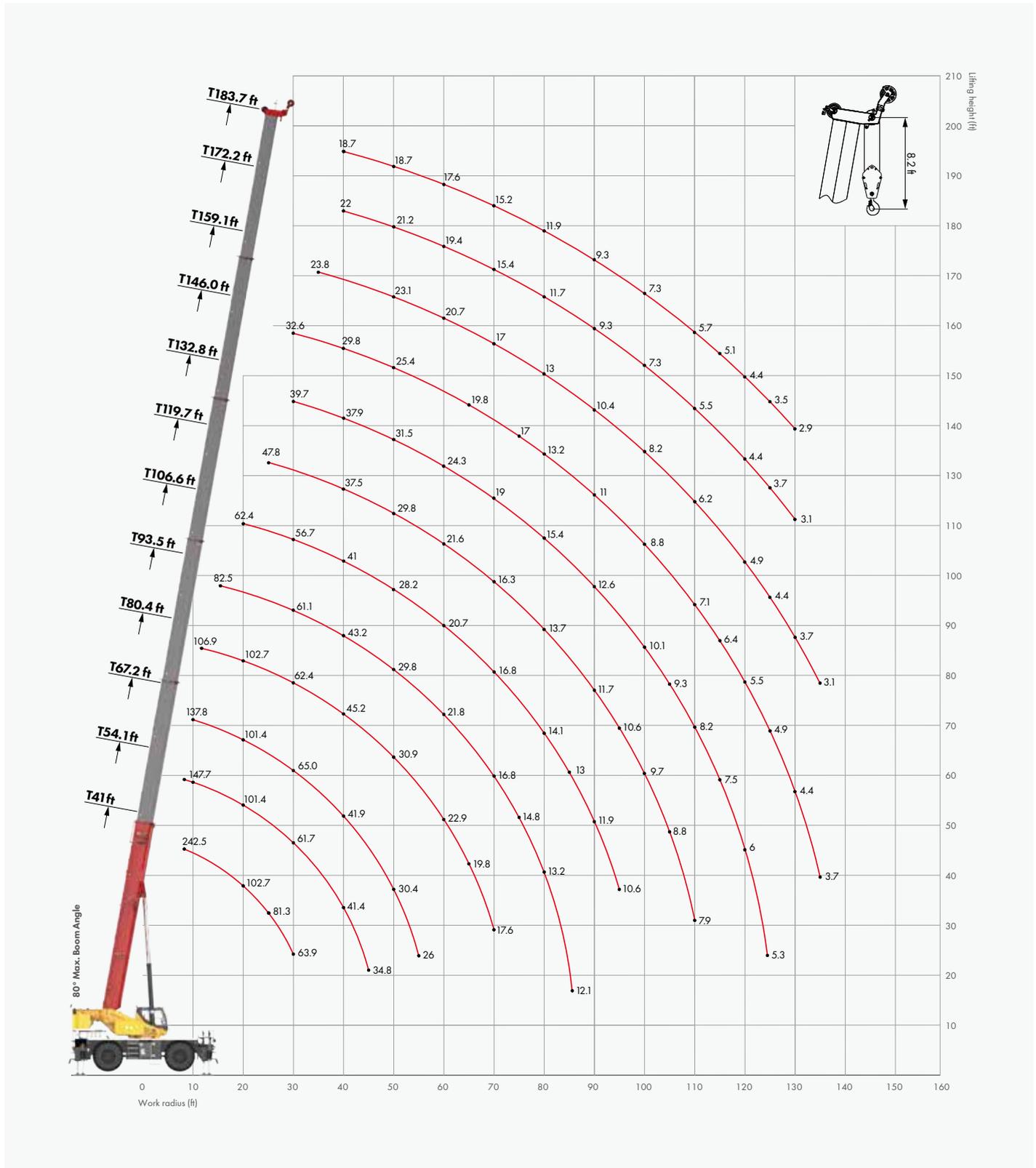


WORKING RANGE DIAGRAM – Main Boom

Lifting capacities in klb



LOAD CHARTS – Main Boom, On 100% Outriggers, 360°



Unit: lbs

 ft	41.0' (12.5 m)	54.1' (16.5 m)	67.2' (20.5 m)	80.4' (24.5 m)	93.5' (28.5 m)	106.6' (32.5 m)	119.7' (36.5 m)	132.8' (40.5 m)	146.0' (44.5 m)	159.1' (48.5 m)	172.2' (52.5 m)	183.7' (56.0 m)	 ft
8	242,500*	147,700											8
10	180,800	147,700	137,800										10
12	160,100	145,500	130,100	106,900									12
15	134,500	133,400	120,100	106,900	82,500								15
20	102,700	101,400	101,400	102,700	73,900	62,400							20
25	81,300	79,400	79,400	79,100	66,600	58,900	47,800	39,700					25
30	63,900	61,700	65,000	62,400	61,100	56,700	45,900	39,700	32,600				30
35		48,500	50,700	53,100	52,900	51,800	41,000	37,900	31,700	26,500	22,000		35
40		41,400	41,900	45,200	43,200	41,000	37,500	35,700	29,800	26,500	22,000	18,700	40
45		34,800	35,900	36,400	35,500	33,500	34,600	31,500	27,300	25,400	21,600	18,700	45
50			30,400	30,900	29,800	28,200	29,800	27,600	25,400	24,300	21,200	18,700	50
55			26,000	26,500	25,600	23,800	25,100	24,300	22,500	23,100	20,500	18,300	55
60				22,900	21,800	20,700	21,600	21,600	19,800	20,700	19,400	17,600	60
65				19,800	19,000	18,100	18,700	19,000	19,200	19,400	17,900	16,800	65
70				17,600	16,800	16,800	16,300	16,800	17,000	17,000	15,400	15,200	70
75					14,800	15,400	15,000	15,400	15,000	14,800	13,200	13,400	75
80					13,200	14,100	13,700	13,900	13,200	13,000	11,700	11,900	80
85					12,100	13,000	12,600	12,600	12,100	11,700	10,400	10,600	85
90						11,900	11,700	11,500	11,000	10,400	9,300	9,300	90
95						10,600	10,600	10,100	9,900	9,300	8,200	8,200	95
100							9,700	9,300	8,800	8,200	7,100	7,300	100
105							8,800	8,200	7,700	7,300	6,200	6,400	105
110							7,900	7,500	7,100	6,200	5,500	5,700	110
115								6,800	6,400	5,500	4,900	5,100	115
120								6,000	5,500	4,900	4,200	4,400	120
125								5,300	4,900	4,400	3,500	3,500	125
130									4,400	3,700	2,900	2,900	130
135									3,700	3,100			135

Remark
Capacity marked by * requires additional equipment.

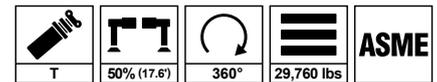
LOAD CHARTS – Main Boom, On 100% Outriggers, 360°, 0 lb Counterweight



Unit: lbs

ft	41.0' (12.5 m)	54.1' (16.5 m)	67.2' (20.5 m)	80.4' (24.5 m)	93.5' (28.5 m)	ft
10	99,200	66,100	50,700			10
12	88,200	61,700	50,700	44,100		12
15	77,200	57,300	46,300	44,100	39,700	15
20	61,700	52,900	41,900	40,800	36,400	20
25	44,100	41,900	37,500	36,400	33,100	25
30	28,700	33,100	30,900	29,800	28,700	30
35		24,300	24,300	24,300	24,300	35
40		18,700	18,700	18,700	19,800	40
45		14,300	14,300	14,300	15,400	45
50			11,000	12,100	13,200	50
55			7,700	10,600	11,000	55
60				8,800	9,300	60
65				7,100	7,700	65
70				5,500	6,600	70
75					5,500	75
80					4,400	80
85					3,300	85

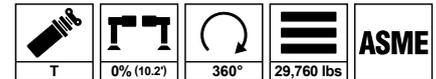
LOAD CHARTS – Main Boom, On 50% Outriggers, 360°



Unit: lbs

ft	41.0' (12.5 m)	54.1' (16.5 m)	67.2' (20.5 m)	80.4' (24.5 m)	93.5' (28.5 m)	106.6' (32.5 m)	119.7' (36.5 m)	132.8' (40.5 m)	146.0' (44.5 m)	159.1' (48.5 m)	172.2' (52.5 m)	183.7' (56.0 m)	ft
10	165,300	77,200	76,100										10
12	149,900	77,200	76,100	75,000									12
15	119,000	75,000	73,900	72,800	70,500								15
20	69,400	63,900	68,300	70,500	68,300	57,300							20
25	50,700	51,800	55,100	59,500	57,300	48,500	39,700						25
30	38,600	39,700	43,000	44,100	41,900	39,700	37,500	36,400	29,800				30
35		30,900	33,100	34,200	32,000	30,900	30,400	29,800	27,600	20,900	19,800		35
40		25,400	26,500	27,600	26,500	24,300	23,800	23,600	22,900	20,900	19,800	16,500	40
45		19,400	21,400	22,000	20,900	19,800	19,400	19,600	19,200	18,700	18,300	15,400	45
50			18,300	18,700	17,600	16,300	15,900	17,000	16,500	16,100	15,700	14,300	50
55			15,400	15,900	15,000	13,400	13,000	14,300	13,900	13,700	13,400	13,200	55
60				12,300	12,800	11,200	10,600	12,600	12,100	11,900	11,700	11,500	60
65				10,100	10,800	9,000	8,800	10,600	10,400	10,100	9,900	9,700	65
70				7,900	9,000	7,700	7,300	9,300	9,000	8,800	8,600	8,400	70
75					7,700	6,600	6,200	8,200	7,900	7,700	7,300	7,100	75
80					6,400	5,500	5,300	7,100	6,800	6,600	6,200	6,000	80
85					5,100	4,600	4,000	6,200	6,000	5,700	5,100	4,900	85
90						3,700	3,100	5,300	5,100	4,600	4,200	4,000	90
95								4,600	4,400	3,700	3,100	2,900	95
100								3,700	3,500	2,900			100
105								3,100	2,900				105

LOAD CHARTS – Main Boom, On 0% Outriggers, 360°



Unit: lbs

 ft	41.0' (12.5 m)	54.1' (16.5 m)	67.2' (20.5 m)	80.4' (24.5 m)	93.5' (28.5 m)	106.6' (32.5 m)	119.7' (36.5 m)	132.8' (40.5 m)	146.0' (44.5 m)	159.1' (48.5 m)	172.2' (52.5 m)	183.7' (56.0 m)	 ft
20	36,400												20
25	27,600	28,700	28,200	27,600	26,500	25,400	24,300						25
30	18,700	22,000	22,000	21,600	21,200	20,900	19,600	22,000	20,900				30
35		15,700	17,000	16,800	16,500	16,300	15,000	17,000	16,800	15,400	15,000		35
40		12,800	13,400	13,200	13,000	12,800	11,700	13,700	13,400	12,600	12,300	12,100	40
45		9,900	11,500	11,000	10,800	10,400	9,500	11,700	11,500	10,400	10,100	9,900	45
50			9,300	8,800	8,600	8,400	7,300	9,500	9,300	8,800	8,400	8,200	50
55			7,500	7,300	7,100	6,600	5,500	7,700	7,500	7,100	6,800	6,600	55
60				5,700	5,500	4,900	4,200	6,400	6,200	5,700	5,100	4,900	60
65				4,400	4,200	4,000	2,900	5,300	5,100	4,400	4,000	3,700	65
70				3,100	2,900	2,600		4,200	4,000	3,100	2,900	2,600	70
75								3,100	2,900				75

Remark

1. Load capacity in the chart is the maximum weight which this crane could hoist include the hook block's weight.
2. Radius shown in the chart is the actual radius when loading.
3. The load capacity in the chart is the maximum weight when this crane is supported with the firm ground and stays in level.
4. Choose rated load capacity of the longer boom and radius when the actual boom length and radius are between two values in the charts.
5. The machine can be used only when the wind scale is less than 6.

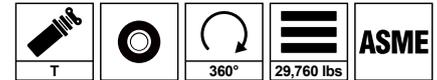
LOAD CHARTS – Main Boom, Stationary, On Tires, Over Front Tires



Unit: lbs

 ft	41.0' (12.5 m)	54.1' (16.5 m)	67.2' (20.5 m)	80.4' (24.5 m)	93.5' (28.5 m)	 ft
15	48,500					15
20	37,000	39,200	39,700			20
25	28,700	31,300	31,700	32,200	33,100	25
30	20,900	24,300	25,400	26,500	27,300	30
35		18,500	20,300	20,500	21,400	35
40		14,300	15,900	16,500	17,200	40
45		11,000	12,800	13,200	13,900	45
50			10,400	11,000	11,200	50
55			8,400	9,000	9,300	55
60				7,300	7,700	60
65				6,200	6,600	65
70				4,600	5,500	70
75					4,400	75
80					3,500	80
85					2,600	85
	4	4	4	4	4	
 Min	0	0	0	0	0	 Min
 lbs	11,000	7,700	4,400	2,200	1,800	 lbs
 Max	72	73	74	75	77	 Max

LOAD CHARTS – Main Boom, Stationary, On Tires, 360°



Unit: lbs

ft	41.0' (12.5 m)	54.1' (16.5 m)	67.2' (20.5 m)	80.4' (24.5 m)	93.5' (28.5 m)	ft
20	20,300					20
25	9,900	13,200				25
30	6,200	8,800	9,900	11,000		30
35		5,500	7,100	8,800	9,300	35
40		3,300	4,900	6,600	7,100	40
45			3,300	4,400	4,600	45
50				3,300	3,500	50
	4	4	4	4	4	
	0	30	40	45	52	
	3,300	1,800	1,800	1,800	1,800	
	56	60	62	66	69	

LOAD CHARTS – Main Boom, Pick & Carry, On Tires, Over Front Tires



Unit: lbs

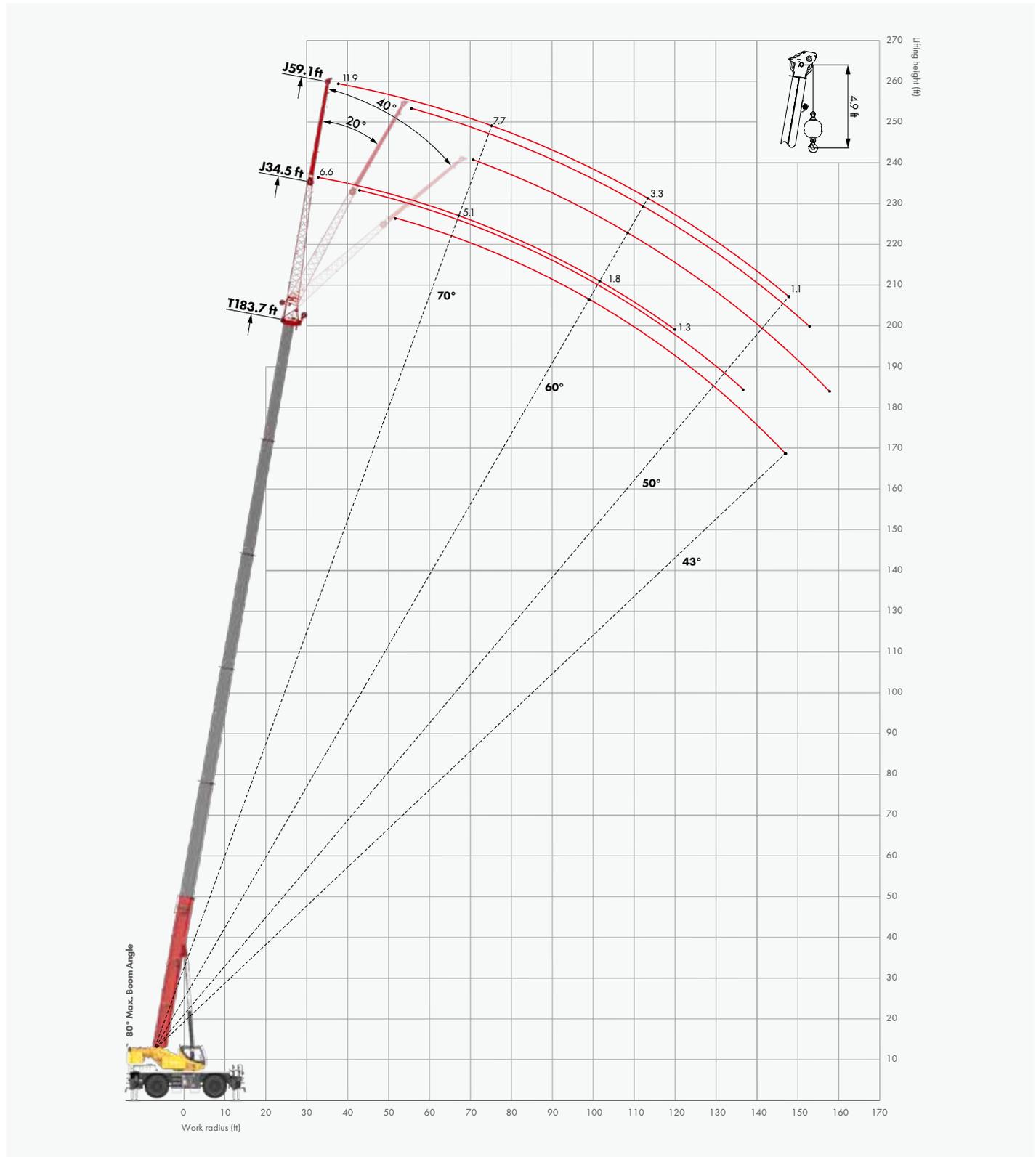
ft	41.0' (12.5 m)	54.1' (16.5 m)	67.2' (20.5 m)	80.4' (24.5 m)	93.5' (28.5 m)	ft
15	33,500					15
20	25,100	26,900	27,800			20
25	19,400	21,200	22,300	22,700	22,900	25
30	15,000	17,000	18,100	18,300	18,700	30
35		13,900	15,000	15,200	15,700	35
40		11,200	11,900	12,800	13,200	40
45		9,300	10,400	10,800	11,200	45
50			8,800	9,300	9,500	50
55			7,300	7,700	8,200	55
60				6,600	6,800	60
65				5,300	5,700	65
70				4,200	4,600	70
75					4,000	75
80					3,100	80
	4	4	4	4	4	
	0	0	0	0	20	
	8,800	6,600	3,300	1,800	1,800	
	72	73	74	75	77	

Remark

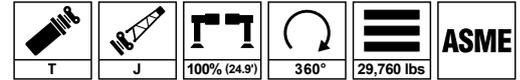
1. Capacities are applicable at 80 psi (560 kPa) cold tire inflation pressure.
2. Capacities are applicable only with machine on firm level surface.
3. On tire lifting with the jib mounted is not permitted.
4. Axle lockouts must be applied when lifting on tires.
5. Parking brake must be applied when lifting on tires stationary.
6. Driving speed shall be less than 2.49 mph (4km/h) at pick & carry mode.

WORK RANGE DIAGRAM – Fly Jib

Lifting capacities in klb



LOAD CHARTS – Fly Jib



Unit: lbs

ft 183.7'	183.7' (56.0m) boom + 34.4' (10.5m) jib						183.7' (56.0m) boom + 59.1' (18m) jib						ft 183.7'
	0°		20°		40°		0°		20°		40°		
ft 183.7'	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	ft 183.7'
80	30.5	11,900	41.7	9,900	50.9	8,600	34.8	6,600	54.0	5,700	69.7	4,900	80
79	34.2	11,700	45.4	9,900	54.4	8,400	38.9	6,600	58.1	5,500	73.6	4,900	79
78	38.0	11,200	49.1	9,700	57.9	8,200	43.1	6,400	62.1	5,500	77.3	4,900	78
77	41.7	10,800	52.7	9,500	61.4	7,900	47.2	6,400	66.1	5,300	81.1	4,600	77
76	45.4	10,400	56.3	9,000	64.9	7,500	51.3	6,400	70.1	5,300	84.8	4,600	76
75	49.1	9,900	59.9	8,600	68.4	7,100	55.4	6,200	74.0	5,100	88.5	4,600	75
73	56.4	9,000	67.0	8,200	75.2	6,600	63.6	6,000	81.9	4,900	95.8	4,400	73
70	67.2	7,700	77.6	6,800	85.3	6,200	75.6	5,100	93.4	4,400	106.6	4,000	70
68	74.3	7,100	84.5	6,400	91.8	5,700	83.5	4,400	100.9	4,000	113.6	3,500	68
65	84.8	5,500	94.6	5,100	101.5	4,900	95.2	3,300	112.0	2,900	123.8	2,600	65
63	91.6	4,400	101.2	4,200	107.7	4,000	102.8	2,400	119.2	2,200	130.4	2,000	63
60	101.7	3,300	110.8	3,100	116.8	2,900	114.0	1,800	129.7	1,500	139.9	1,300	60
58	108.2	2,600	117.1	2,400	122.7	2,200	121.2	1,300	136.5	1,100	146.1	900	58
55	117.7	2,000	126.2	1,800	131.2	1,500							55
53	123.9	1,500	132.0	1,300	136.7	1,100							53
50	132.8	1,100											50
	1	1	1	1	1	1	1	1	1	1	1	1	
	48	48	51	51	51	51	56	56	56	56	56	56	
	660	660	660	660	660	660	880	880	660	660	440	440	
	80	80	80	80	80	80	80	80	80	80	80	80	

Remark

1. The capacities listed are with the outriggers fully extended and vertical jacks properly set only.
2. The fly jib may only be used for single line lifting service.
3. Use only the load which corresponds to the boom extension length and offset angle as the machine is configured.
4. For boom angles not shown, use the rating of the next lower boom angle.
5. The boom angle is defined as the angle above or below the horizontal line of the longitudinal axis of the boom base section after lifting the rated load.
6. When lifting over the main boom nose with the fly jib erected, the outriggers must be fully extended and the proper load reduction must be used.
7. Do not lower the boom below the minimum boom angle with the jib erected. Fully retract the boom to lower the boom below the minimum boom angle.

Operator must refer to in-cab load chart manual for crane operation.

In the interest of continual equipment development, SANY America Inc. reserves the right to change these specifications at any time without prior notification.