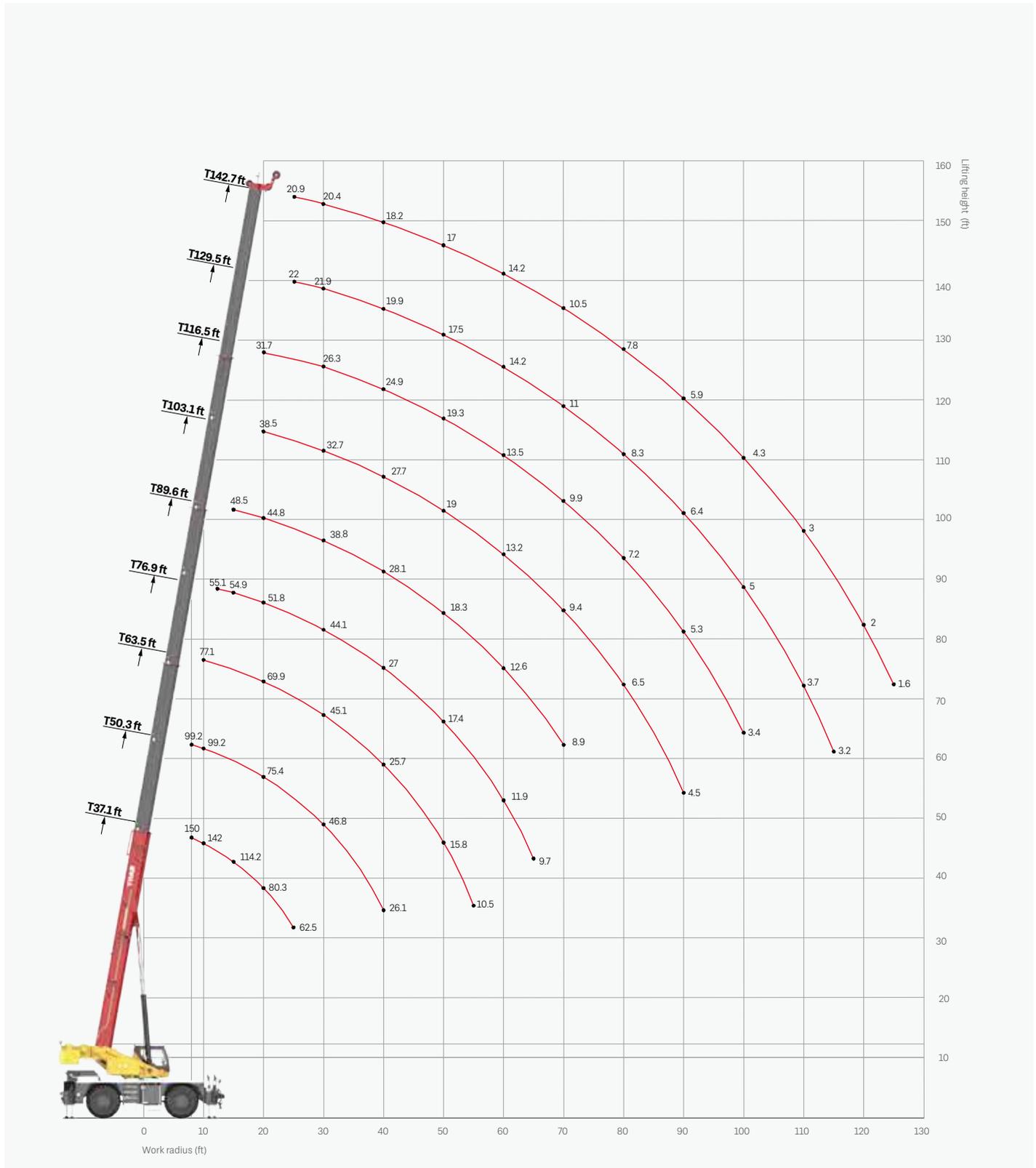


# WORKING RANGE DIAGRAM – Main Boom

Lifting capacities in klb



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.

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

Unit: lbs



Radius (ft)	37.1' (11.3m)	50.3' (15.3m)	63.5' (19.4m)	63.2' (19.3m)	76.9' (23.5m)	76.7' (23.4m)	89.6' (27.3m)	90.1' (27.5m)	103.1' (31.4m)	102.8' (31.3m)	116.5' (35.5m)	116.3' (35.5m)	129.5' (39.5m)	142.7' (43.5m)	Radius (ft)
8	150,000	99,200													8
10	142,000	99,200	77,100	48,500											10
12	127,900	99,200	77,100	48,500	55,100	44,000									12
15	114,200	94,100	72,400	48,500	54,900	44,000	48,500	37,500							15
20	80,300	75,400	69,900	48,500	51,800	44,000	44,800	37,200	38,500	31,700	31,700	24,600			20
25	62,500	61,200	60,600	48,500	45,700	43,000	39,500	32,800	38,000	28,300	28,500	24,500	22,000	20,900	25
30		46,800	45,100	46,800	43,300	37,200	38,700	29,400	32,700	26,100	26,300	22,400	21,900	20,400	30
35		35,600	34,200	37,900	35,100	32,600	34,300	26,400	29,900	23,500	25,600	20,400	20,700	19,300	35
40		26,100	25,700	31,400	27,000	28,600	28,100	23,900	27,400	21,700	24,600	18,700	19,900	18,200	40
45			20,400	25,900	21,500	24,700	22,400	21,400	22,800	19,000	22,400	17,400	19,100	17,700	45
50			15,800	20,100	17,400	21,400	18,300	19,100	19,000	17,100	19,300	15,700	17,500	17,000	50
55			10,500	14,200	14,300	18,300	15,100	17,100	15,700	15,500	16,200	14,200	15,900	15,900	55
60					11,900	15,400	12,600	15,300	13,000	14,100	13,500	13,000	14,200	14,200	60
65					9,600	13,400	10,800	13,800	11,000	12,900	11,400	11,700	12,500	12,300	65
70							8,900	12,300	9,400	11,600	9,900	10,600	11,000	10,500	70
75								7,300	10,800	7,900	10,500	8,500	9,700	9,600	75
80									9,200	6,500	9,600	7,200	9,000	8,300	80
85										5,500	8,400	6,200	7,900	7,300	85
90										4,500	7,500	5,300	7,500	6,400	90
95												4,300	6,700	5,700	95
100												3,400	5,800	5,000	100
105													5,200	4,400	105
110														3,700	110
115														3,200	115
120															120
125															125
<b>Extending modes</b>															
Tele 1	0%	50%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	50%	100%	Tele 1
Tele 2	0%	0%	0%	33%	17%	50%	33%	66%	50%	83%	66%	100%	100%	100%	Tele 2
Tele 3	0%	0%	0%	33%	17%	50%	33%	66%	50%	83%	66%	100%	100%	100%	Tele 3
Tele 4	0%	0%	0%	33%	17%	50%	33%	66%	50%	83%	66%	100%	100%	100%	Tele 4
Parts of line	12	10	8	8	6	6	4	4	4	4	4	4	4	3	Parts of line
Min. boom angle	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	20°	Min. boom angle
Capacity at min. angle	22,000	12,000	6,400	9,000	4,000	6,000	2,800	4,400	1,900	3,300	1,300	2,500	1,400	1,000	Capacity at min. 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.

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

Unit: lbs



Radius (ft)	37.1' (11.3m)	50.3' (15.3m)	63.5' (19.4m)	63.2' (19.3m)	76.9' (23.5m)	76.7' (23.4m)	89.6' (27.3m)	90.1' (27.5m)	103.1' (31.4m)	102.8' (31.3m)	116.5' (35.5m)	116.3' (35.5m)	129.5' (39.5m)	142.7' (43.5m)	Radius (ft)
8	150,000	99,200													8
10	132,800	98,300	76,600	48,200											10
12	117,700	89,800	71,300	45,600	54,400	46,200									12
15	89,100	85,700	70,000	44,000	49,200	44,000	47,100	37,800	38,400	32,800					15
20	46,600	59,800	58,600	43,600	43,800	44,000	43,200	36,800	36,000	31,500	31,700	26,800	22,000		20
25	38,000	37,900	37,900	32,000	30,500	34,400	32,000	32,500	29,000	28,100	28,500	25,000	22,000	20,900	25
30		25,200	20,900	23,900	21,500	24,800	22,600	25,900	21,500	25,100	23,700	23,700	21,900	19,700	30
35		18,700	15,500	20,500	16,600	19,800	18,300	20,700	16,200	22,800	18,900	19,400	20,400	17,900	35
40		13,800	12,800	17,100	12,600	15,500	15,000	15,900	11,900	19,600	14,600	16,100	18,300	15,000	40
45			9,800	13,500	9,700	12,600	11,600	13,000	10,200	16,000	11,900	12,900	13,000	12,400	45
50			6,900	10,300	7,800	11,200	9,600	10,900	8,500	13,200	9,800	10,900	10,800	10,200	50
55					6,100	9,800	7,300	9,100	7,100	10,900	8,000	9,300	9,400	8,500	55
60					4,400	8,100	4,700	7,700	5,900	9,100	6,500	7,900	8,100	7,000	60
65					3,200	6,700	3,800	6,700	4,500	7,600	5,000	6,900	6,700	5,800	65
70							2,800	5,700	3,500	6,600	4,100	6,000	5,700	4,500	70
75								4,900	2,700	5,500	3,500	5,000	4,700	3,600	75
80										4,300	3,000	4,100	3,700	3,100	80
85										3,300	2,200	3,700	3,100	2,400	85
90										2,800		3,100	2,400	2,100	90
Extending modes															
Tele 1	0%	50%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	50%	100%	Tele 1
Tele 2	0%	0%	0%	33%	17%	50%	33%	66%	50%	84%	66%	100%	100%	100%	Tele 2
Tele 3	0%	0%	0%	33%	17%	50%	33%	66%	50%	84%	66%	100%	100%	100%	Tele 3
Tele 4	0%	0%	0%	33%	17%	50%	33%	66%	50%	84%	66%	100%	100%	100%	Tele 4
Parts of line	12	10	8	8	6	6	4	4	4	4	4	4	4	3	Parts of line
Min. boom angle	0°	0°	0°	0°	0°	0°	19°	0°	30°	0°	36°	16°	37°	46°	Min. boom angle
Capacity at min. angle	14,100	7,700	3,200	5,100	1,800	3,500	1,400	2,500	1,400	1,700	1,300	1,400	1,400	1,400	Capacity at min. 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.

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



Unit: lbs

Radius (ft)	37.1' (11.3m)	50.3' (15.3m)	63.5' (19.4m)	63.2' (19.3m)	76.9' (23.5m)	76.7' (23.4m)	89.6' (27.3m)	90.1' (27.5m)	103.1' (31.4m)	102.8' (31.3m)	116.5' (35.5m)	116.3' (35.5m)	129.5' (39.5m)	142.7' (43.5m)	Radius (ft)
8	98,100	89,200													8
10	81,000	76,500	69,300	48,100											10
12	57,600	56,100	54,200	44,400	43,200	43,700									12
15	37,700	36,600	35,800	40,100	36,600	40,700	37,300	37,000	30,200	32,400					15
20	22,100	21,400	20,800	24,700	22,000	26,000	23,100	26,300	22,900	25,800	19,800	21,200	19,900		20
25	14,300	13,400	13,000	16,900	14,300	17,800	15,200	18,300	15,800	18,400	15,800	14,100	16,300	13,900	25
30		8,800	8,300	12,000	9,600	12,800	10,400	13,300	11,100	13,300	11,300	9,300	12,600	11,600	30
35		6,400	5,400	9,100	6,900	9,600	7,700	10,200	7,900	9,600	8,300	6,700	9,600	9,100	35
40				6,600	5,200	7,200	5,700	7,700	5,500	7,900	5,900	5,100	7,000	6,800	40
45				4,900	3,400	5,400	3,800	5,800	4,000	6,200	4,100	3,700	5,300	4,700	45
50				3,500		3,900	2,500	4,400	3,000	4,700	3,000	2,800	3,900	3,700	50
55						2,800		3,200		3,400		2,300	2,800	2,800	55
60								2,300		2,500		2,200	2,100	2,100	60
Extending modes															
Tele 1	0%	50%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	50%	100%	Tele 1
Tele 2	0%	0%	0%	33%	17%	50%	33%	66%	50%	84%	66%	100%	100%	100%	Tele 2
Tele 3	0%	0%	0%	33%	17%	50%	33%	66%	50%	84%	66%	100%	100%	100%	Tele 3
Tele 4	0%	0%	0%	33%	17%	50%	33%	66%	50%	84%	66%	100%	100%	100%	Tele 4
Parts of line	12	10	8	8	6	6	4	4	4	4	4	4	4	3	Parts of line
Min. boom angle	0°	0°	39°	0°	46°	27°	50°	36°	54°	44°	58°	50°	57°	62°	Min. boom angle
Capacity at min. angle	6,100	1,600	1,400	1,700	1,500	1,500	1,400	1,300	1,400	1,400	1,500	1,400	1,400	1,400	Capacity at min. angle

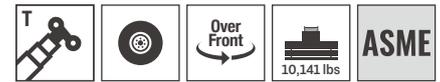
**Remark**

1. Load capacity in the chart is the maximum weight which this crane could hoist include the hook block's weight. The hook block weighs 1518 lbs (689kg), the overhaul ball weighs 352 lbs (160kg).
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.

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.

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



Unit: lbs

Radius (ft)	37.1' (11.3m)	50.3' (15.3m)	63.2' (19.3m)	76.7' (23.4m)	90.1' (27.5m)	Radius (ft)
10	52,500	35,200	33,000			10
12	48,500	35,200	32,300	29,700		12
15	38,800	32,400	28,300	28,900	26,400	15
20	25,600	21,600	21,200	19,600	24,000	20
25	15,700	14,700	13,800	14,800	20,500	25
30		10,800	7,400	9,600	14,500	30
35			5,000	7,400	10,600	35
40				5,000	6,900	40
45				4,600	5,700	45
50					4,800	50
Extending modes						
Tele 1	0%	0%	0%	0%	0%	Tele 1
Tele 2	0%	17%	33%	50%	67%	Tele 2
Tele 3	0%	17%	33%	50%	67%	Tele 3
Tele 4	0%	17%	33%	50%	67%	Tele 4
Parts of line	6	6	6	6	6	Parts of line
Min. boom angle	0°	0°	0°	27°	38°	Min. boom angle
Capacity at min. angle	5,800	2,800	1,400	1,500	1,500	Capacity at min. angle

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



Unit: lbs

Radius (ft)	37.1' (11.3m)	50.3' (15.3m)	63.2' (19.3m)	76.7' (23.4m)	90.1' (27.5m)	Radius (ft)
10	26,400	23,100	22,000			10
12	25,000	22,800	21,300			12
15	18,400	17,100	17,000	14,000	12,100	15
20	8,900	6,400	6,400	8,300	11,200	20
25	4,400	3,700	3,300	4,300	4,400	25
Extending modes						
Tele 1	0%	0%	0%	0%	0%	Tele 1
Tele 2	0%	17%	33%	50%	67%	Tele 2
Tele 3	0%	17%	33%	50%	67%	Tele 3
Tele 4	0%	17%	33%	50%	67%	Tele 4
Parts of line	6	6	6	6	6	Parts of line
Min. boom angle	0°	30°	42°	50°	57°	Min. boom angle
Capacity at min. angle	2,300	1,500	1,500	1,500	1,500	Capacity at min. 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.

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



Unit: lbs

Radius (ft)	37.1' (11.3m)	50.3' (15.3m)	63.2' (19.3m)	76.7' (23.4m)	90.1' (27.5m)	Radius (ft)
10	42,400	31,000				10
12	36,700	31,000				12
15	28,500	27,400				15
20	21,600	20,200	22,900	19,800		20
25	17,300	14,100	17,100	16,700		25
30		10,700	10,800	11,800	15,100	30
35			8,400	8,800	11,700	35
40			5,400	5,900	8,500	40
45			4,500	4,200	5,900	45
Extending modes						
Tele 1	0%	0%	0%	0%	0%	Tele 1
Tele 2	0%	17%	33%	50%	67%	Tele 2
Tele 3	0%	17%	33%	50%	67%	Tele 3
Tele 4	0%	17%	33%	50%	67%	Tele 4
Parts of line	6	6	6	6	6	Parts of line
Min. boom angle	0°	0°	30°	41°	49°	Min. boom angle
Capacity at min. angle	4,100	1,700	1,500	1,400	1,500	Capacity at min. angle

**Remark**

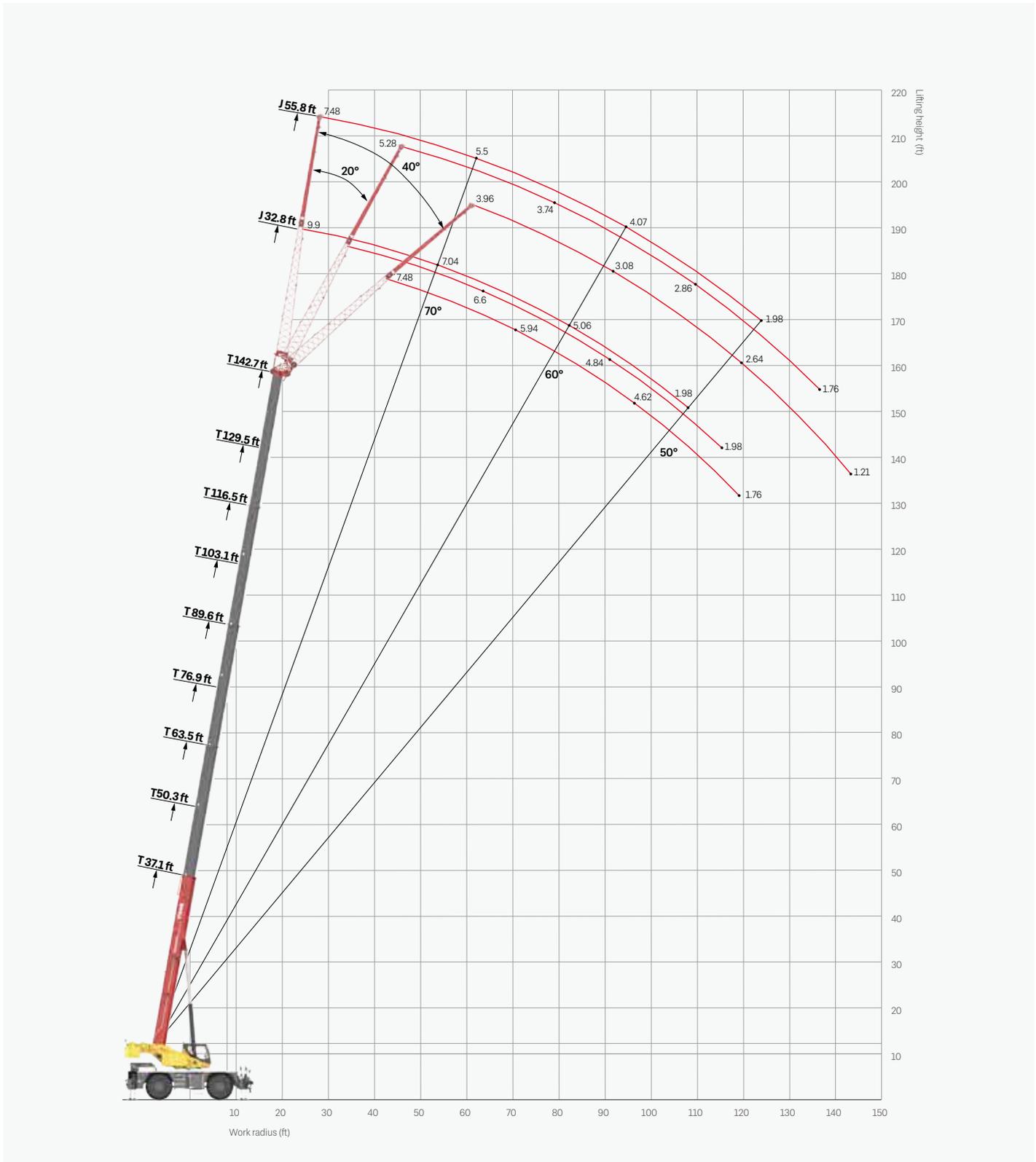
1. Capacities are applicable at 65 psi cold tire inflation pressure.
2. Capacities are applicable only with machine on firm level surface.
3. On tire lifting with the jib mounted is not permitted.
4. Axle lockouts must be applied when lifting on tires.
5. Parking brake must be applied when lifting on tires stationary.
6. Driving speed shall be less than 2.49 mph (4km/h) at pick & carry mode.

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.

# WORK RANGE DIAGRAM – Fly Jib

Lifting capacities in klb



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.

# LOAD CHARTS – Fly Jib



Unit: lbs

Boom angle (0°)	142.7' (43.5m) boom + 32.8' (10m) jib						142.7' (43.5m) boom + 55.8' (17m) jib						Boom angle (0°)
	0°		20°		40°		0°		20°		40°		
	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	R (ft)	W (lbs)	
80	29.5	9,900	40.0	8,800	49.2	7,500	34.8	5,700	52.5	5,300	67.9	4,000	80
78	37.1	9,900	46.9	8,500	55.1	7,200	42.0	5,700	61.0	5,000	74.3	3,800	78
76	43.0	9,900	52.8	8,000	61.7	6,800	49.5	5,700	67.6	4,600	80.7	3,700	76
74	49.2	9,400	59.2	7,600	66.9	6,500	57.7	5,700	73.8	4,300	86.1	3,500	74
72	55.4	8,800	65.6	7,200	72.2	6,200	64.6	5,700	78.7	4,100	91.5	3,300	72
70	61.0	8,200	71.5	6,800	77.1	6,000	72.2	5,600	86.3	3,800	96.9	3,100	70
68	67.3	7,700	75.5	6,500	82.7	5,700	79.4	5,200	93.8	3,500	102.4	3,000	68
66	73.3	7,200	81.4	6,300	88.4	5,500	86.9	4,800	99.7	3,300	107.9	2,900	66
64	79.4	6,700	87.3	6,000	94.2	5,300	92.2	4,500	105.6	3,200	113.5	2,800	64
62	85.0	6,000	92.8	5,600	98.9	5,100	98.4	4,300	111.5	3,100	118.6	2,700	62
60	90.6	5,600	98.4	5,200	103.7	4,800	105.0	4,100	117.1	3,000	123.7	2,600	60
58	95.0	4,800	102.2	4,600	107.0	4,200	110.2	3,600	122.0	2,800	128.4	2,500	58
56	99.4	4,400	106.0	3,800	110.2	3,500	115.8	3,300	126.6	2,400	133.2	2,300	56
54	105.0	3,600	110.4	3,000	115.2	2,600	120.7	2,4600	131.1	2,100	137.3	2,000	54
52	110.6	3,000	114.8	2,600	119.3	2,200	125.7	2,200	135.5	1,800	141.4	1,600	52
50	115.0	2,500	118.8	2,000	123.4	1,700	129.6	1,800	139.8	1,400	145.0	1,300	50
48	119.4	2,100	122.7	1,700	126.8	1,400	133.9	1,300	144.0	900	148.6	900	48
46	122.5	1,500	125.7	1,200	130.2	1,100	137.5	900					46
44	125.7	900	128.6	900									44
Min. boom angle	43°		43°		45°		45°		47°		47°		Min. 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.