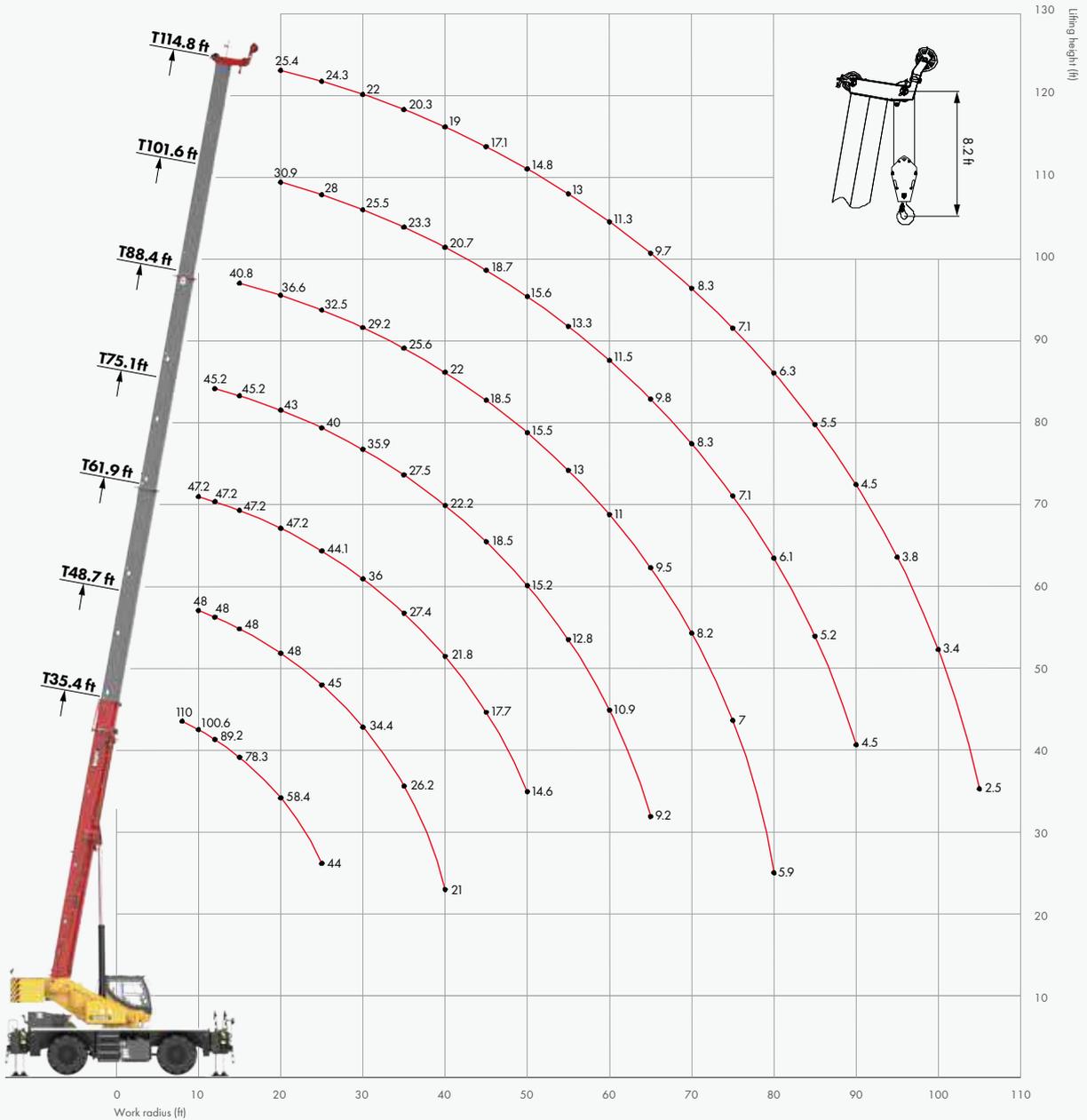


WORKING RANGE DIAGRAM – Main Boom

Lifting capacities in klb



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



Unit: lbs

 ft	35.4' (10.8 m)	48.7' (14.8m)	61.9' (18.9m)	75.1' (22.9m)	88.4' (26.9m)	101.6' (31.0m)	114.8' (35.0m)	 ft
8	110,000							8
10	100,600	48,000	47,200					10
12	89,200	48,000	47,200	45,200				12
15	78,300	48,000	47,200	45,200	40,800			15
20	58,400	48,000	47,200	43,000	36,600	30,900	25,400	20
25	44,000	45,000	44,100	40,000	32,500	28,000	24,300	25
30		34,400	36,000	35,900	29,200	25,500	22,000	30
35		26,200	27,400	27,500	25,600	23,300	20,300	35
40		21,000	21,800	22,200	22,000	20,700	19,000	40
45			17,700	18,500	18,500	18,700	17,100	45
50			14,600	15,200	15,500	15,600	14,800	50
55				12,800	13,000	13,300	13,000	55
60				10,900	11,000	11,500	11,300	60
65				9,200	9,500	9,800	9,700	65
70					8,200	8,300	8,300	70
75					7,000	7,100	7,100	75
80					5,900	6,100	6,300	80
85						5,200	5,500	85
90						4,500	4,500	90
95							3,800	95
100							3,400	100
105							2,500	105
 2#	0	17	33	50	67	83	100	2# 
 3#	0	17	33	50	67	83	100	3# 
 4#	0	17	33	50	67	83	100	4# 
 C _n	8	6	4	4	4	4	4	 C _n
 Min	0	0	0	0	0	0	0	 Min
 Min lbs	26,500	16,500	9,900	6,600	4,400	3,300	1,500	 Min lbs
 Max	80	80	80	80	80	80	80	 Max

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



Unit: lbs

 ft	35.4' (10.8 m)	48.7' (14.8m)	61.9' (18.9m)	75.1' (22.9m)	88.4' (26.9m)	101.6' (31.0m)	114.8' (35.0m)	 ft
8	110,000							8
10	100,600	47,000	46,700					10
12	88,000	47,000	46,700	44,300				12
15	72,600	47,000	46,700	44,300	40,300			15
20	38,700	40,500	42,000	41,400	35,800	30,500	25,100	20
25	24,600	26,500	27,000	27,500	27,500	27,200	23,900	25
30		19,300	19,300	19,700	20,000	19,900	19,600	30
35		14,000	14,700	15,000	15,200	15,600	15,100	35
40		10,800	11,500	12,000	12,100	12,000	12,100	40
45			9,200	9,500	9,800	9,700	9,800	45
50			6,800	7,700	7,900	7,800	8,000	50
55				6,100	6,300	6,300	6,500	55
60				4,800	5,100	5,200	5,300	60
65				3,400	3,800	3,800	4,300	65
70					2,900	2,900	3,500	70
75					2,200	2,300	2,800	75
80						1,600	2,000	80
85							1,300	85
 2#	0	17	33	50	67	83	100	2# 
 3#	0	17	33	50	67	83	100	3# 
 4#	0	17	33	50	67	83	100	4# 
	8	6	4	4	4	4	4	
 Min	0	0	0	0	21	30	35	 Min
 Min lbs	13,200	6,600	3,300	2,200	1,300	1,100	900	 Min lbs
 Max	80	80	80	80	80	80	80	 Max

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



Unit: lbs

 ft	35.4' (10.8 m)	48.7' (14.8m)	61.9' (18.9m)	75.1' (22.9m)	88.4' (26.9m)	101.6' (31.0m)	114.8' (35.0m)	 ft
8	76,000							8
10	49,000	46,700	46,000					10
12	35,000	36,400	36,200	35,700				12
15	23,400	24,500	25,200	25,100	24,300			15
20	13,500	14,700	15,200	15,800	15,400	14,900	14,300	20
25	8,500	9,600	10,100	10,600	10,800	10,400	9,900	25
30		6,300	6,600	7,300	7,500	7,300	7,100	30
35		4,100	4,500	5,000	5,200	5,200	4,800	35
40			3,000	3,500	3,700	3,700	3,500	40
45			2,000	2,400	2,600	2,700	2,500	45
50				1,400	1,500	1,600	1,500	50
 2#	0	17	33	50	67	83	100	2# 
 3#	0	17	33	50	67	83	100	3# 
 4#	0	17	33	50	67	83	100	4# 
 C _n	6	6	4	4	4	4	4	 C _n
 Min	0	30	33	40	49	55	59	 Min
 Min lbs	3,300	2,200	1,300	1,100	1,100	1,100	1,100	 Min lbs
 Max	72	76	78	80	80	80	80	 Max

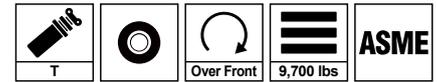
Remark

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 882 lbs (400 kg), the overhaul ball weighs 320 lbs (145 kg).
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.

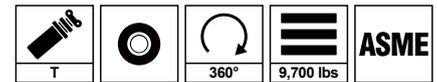
LOAD CHARTS – Main Boom, Stationary, On Tires, Over Front Tires



Unit: lbs

 ft	35.4' (10.8 m)	48.7' (14.8m)	61.9' (18.9m)	75.1' (22.9m)	88.4' (26.9m)	 ft
10	37,000					10
12	32,000	32,500				12
15	26,000	26,500	27,000			15
20	18,400	19,500	20,400	20,500		20
25	12,300	13,500	14,200	14,500	14,800	25
30		9,700	10,300	10,500	10,800	30
35		7,000	7,800	8,000	8,300	35
40		5,000	5,800	6,000	6,400	40
45			4,300	4,500	5,000	45
50			3,200	3,500	3,800	50
55				2,600	2,900	55
60				1,900	2,100	60
65					1,500	65
 2#	0	17	33	50	67	2# 
 3#	0	17	33	50	67	3# 
 4#	0	17	33	50	67	4# 
	4	4	4	4	4	
 Min	0	0	0	26	35	 Min
 lbs	6,600	2,600	1,300	1,300	1,100	 lbs
 Max	80	80	80	80	80	 Max

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



Unit: lbs

 ft	35.4' (10.8 m)	48.7' (14.8m)	61.9' (18.9m)	75.1' (22.9m)	88.4' (26.9m)	 ft
10	22,500					10
12	18,500	19,500				12
15	15,000	15,300	15,700			15
20	8,800	10,500	11,200	11,500		20
25	5,500	6,400	7,200	7,400	7,800	25
30		4,300	4,500	4,700	5,000	30
35		2,800	3,000	3,200	3,500	35
40			1,800	2,000	2,200	40
 2#	0	17	33	50	67	2# 
 3#	0	17	33	50	67	3# 
 4#	0	17	33	50	67	4# 
	4	4	4	4	4	
 Min	0	0	40	51	57	 Min
 lbs	2,200	1,100	1,100	1,100	1,100	 lbs
 Max	66	72	74	77	78	 Max

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



Unit: lbs

 ft	35.4' (10.8 m)	48.7' (14.8m)	61.9' (18.9m)	75.1' (22.9m)	88.4' (26.9m)	 ft	
10	24,000					10	
12	20,700	21,300				12	
15	16,900	17,500	17,800			15	
20	12,500	13,100	13,500	13,700		20	
25	9,500	10,200	10,500	10,800	10,900	25	
30		8,000	8,400	8,600	8,700	30	
35		6,200	6,700	6,800	7,200	35	
40		4,500	5,100	5,400	5,600	40	
45			3,800	4,100	4,300	45	
50			2,800	3,100	3,300	50	
55				2,300	2,500	55	
60				1,700	1,900	60	
 %	2#	0	17	33	50	67	2#
	3#	0	17	33	50	67	3#
	4#	0	17	33	50	67	4#
	4	4	4	4	4	4	
	0	0	0	26	40	0	
	4,400	2,200	1,100	1,100	1,100	1,100	
	80	80	80	80	80	80	

Remark

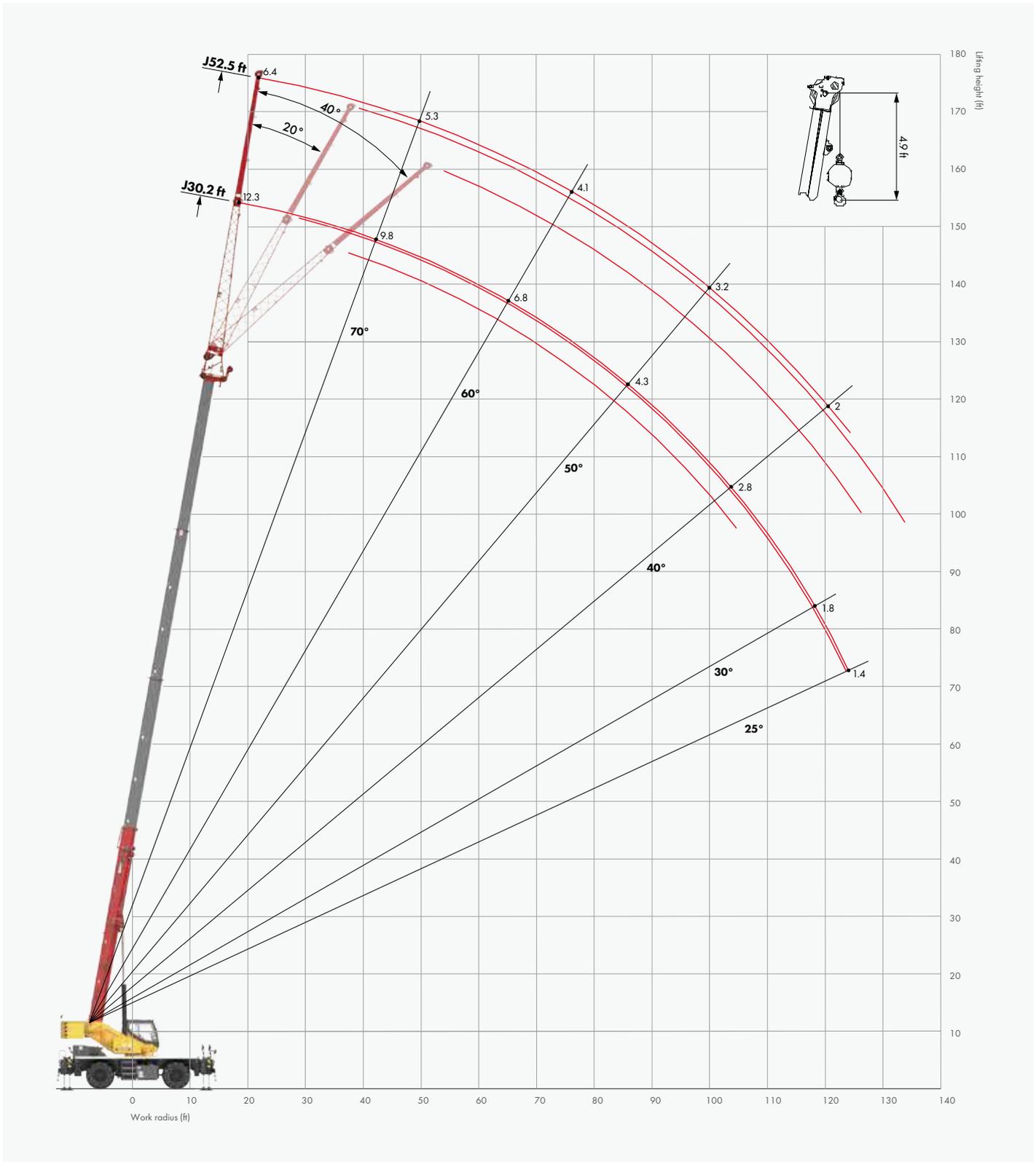
1. Capacities are applicable at 69 psi (476 kpa) cold tire inflation pressure.
2. Capacities are applicable only with machine on firm level surface.
3. On tire lifting with the jib mounted is not permitted.
4. Axle lockouts must be applied when lifting on tires.
5. Parking brake must be applied when lifting on tires stationary.
6. Driving speed shall be less than 2.49 mph (4km/h) at pick & carry mode.

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

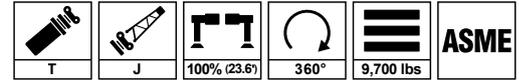
In the interest of continual equipment development, SANY America Inc. reserves the right to change these specifications at any time without prior notification.

WORK RANGE DIAGRAM – Fly Jib

Lifting capacities in klb



LOAD CHARTS – Fly Jib



Unit: lbs

ft 180° 180°	114.8' (35m) boom + 30.2' (9.2m) jib						114.8' (35m) boom + 52.5' (16m) jib						ft 180° 180°
	0°		20°		40°		0°		20°		40°		
	ft	lbs	ft	lbs	ft	lbs	ft	lbs	ft	lbs	ft	lbs	
80	20.0	12,300	30.5	8,400	37.7	6,000	24.3	6,400	41.3	4,100	55.1	2,800	80
78	24.8	12,000	34.5	8,000	41.7	5,900	30.5	6,300	46.8	4,000	59.9	2,700	78
76	29.7	11,800	39.2	7,800	46.3	5,800	36.7	6,200	52.2	3,900	64.6	2,700	76
74	35.1	11,200	44.5	7,500	50.7	5,600	42.8	6,000	57.6	3,700	69.7	2,600	74
72	40.7	10,300	50.5	7,200	55.8	5,500	48.9	5,600	63.0	3,500	74.8	2,500	72
70	46.0	9,800	55.1	7,100	60.1	5,400	54.8	5,300	68.6	3,400	79.9	2,500	70
68	51.2	9,100	59.7	6,900	64.3	5,300	60.7	5,000	74.1	3,300	85.0	2,500	68
66	56.1	8,500	64.3	6,600	68.9	5,200	66.0	4,800	79.2	3,200	89.4	2,400	66
64	61.0	7,900	68.9	6,400	73.5	5,100	71.2	4,500	84.3	3,100	93.8	2,400	64
62	65.1	7,400	73.5	6,200	77.6	5,050	76.8	4,300	89.3	3,000	98.1	2,400	62
60	69.2	6,800	78.1	5,800	81.7	5,000	82.3	4,100	94.2	2,900	102.4	2,300	60
58	73.7	6,300	81.9	5,400	85.3	4,900	87.3	3,900	98.8	2,800	106.3	2,200	58
56	78.1	5,900	85.6	5,100	88.9	4,700	92.2	3,700	103.3	2,700	110.2	2,200	56
54	82.2	5,300	89.2	4,800	92.5	4,400	96.8	3,600	107.4	2,600	113.7	2,200	54
52	86.3	4,900	92.8	4,400	96.1	4,000	101.4	3,300	111.5	2,500	117.1	2,200	52
50	90.1	4,300	96.1	4,100	99.3	3,800	105.7	3,200	115.5	2,400	120.6	2,100	50
48	93.8	3,900	99.4	3,700	102.4	3,400	109.9	2,900	119.4	2,200	124.0	2,000	48
46	97.3	3,600	102.9	3,400	105.0	3,200	113.9	2,700	122.9	2,100	127.0	1,900	46
44	100.7	3,200	106.3	3,100			118.0	2,400	126.3	2,000			44
42	104.0	3,000	109.1	2,800			122.0	2,100	129.6	1,800			42
40	107.3	2,800	111.9	2,600			125.5	2,000	132.9	1,700			40
38	110.3	2,600	114.5	2,300			129.2	1,600	135.8	1,500			38
36	113.2	2,400	117.1	2,200			132.5	1,400	138.7	1,300			36
35	114.5	2,300	118.2	2,100			134.2	1,200	140.1	1,100			35
34	115.7	2,200	119.4	2,000									34
32	118.4	2,000	121.7	1,800									32
30	120.9	1,800	124.0	1,700									30
28	123.4	1,600	126.3	1,500									28
26	124.9	1,500	127.5	1,400									26
25	126.3	1,400	128.6	1,300									25
	1												
	24		24		45		34		34		45		
	700		400		2,200		900		700		1,100		

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.