



30-B

SUPER CRAWLER CRANE CAPACITY PLATE

Boom Length	Radius	Height	Angle	Capacity 1	Capacity 2	Capacity 3
40	10	81	45° - 0"	*100,000	*100,000	
	12	78	44° - 6"	*100,000	*100,000	
	15	74	43° - 9"	83,400	* 90,000	
	20	66	42° - 0"	52,600	59,600	
	25	58	39° - 6"	39,200	43,200	14,900
	30	49	35° - 9"	29,800	33,700	
50	35	39	30° - 9"	24,300	27,600	12,200
	40	26	22° - 9"	20,400	23,200	10,400
	12	81	54° - 9"	*100,000	*100,000	
	15	77	54° - 3"	83,200	* 88,300	
	20	71	52° - 9"	52,300	59,300	
	25	65	50° - 9"	37,900	42,900	14,700
60	30	59	48° - 0"	29,500	33,400	9,800
	40	44	46° - 0"	20,100	22,900	10,000
	50	23	25° - 0"	15,000	17,000	7,500
	15	79	64° - 6"	83,000	* 86,000	
	20	75	63° - 3"	52,200	59,100	
	25	70	61° - 6"	37,700	42,700	14,500
70	30	64	59° - 6"	29,300	33,200	9,800
	40	53	51° - 6"	19,900	22,600	7,200
	50	40	44° - 0"	14,800	16,800	5,600
	60	21	27° - 0"	11,600	13,200	
	20	77	73° - 6"	51,900	58,800	
	25	73	72° - 3"	37,400	42,400	
80	30	68	70° - 6"	29,000	32,900	
	40	59	65° - 6"	19,600	22,300	
	50	49	58° - 3"	14,500	16,500	
	60	37	47° - 6"	11,300	12,900	
	70	19	28° - 9"	9,100	10,400	
	20	78	83° - 9"	51,700	58,500	
90	25	75	82° - 6"	37,200	42,100	
	30	71	81° - 0"	28,800	32,600	
	40	63	76° - 9"	19,400	22,000	
	50	53	70° - 9"	14,300	16,200	
	60	46	62° - 6"	11,100	12,600	
	70	34	50° - 6"	8,900	10,100	
20	80	94° - 0"	51,500	58,200		
100	25	77	93° - 0"	36,900	41,800	
	30	73	91° - 6"	28,500	32,300	
	40	66	88° - 0"	19,100	21,700	
	50	59	82° - 9"	14,000	15,900	
	60	52	75° - 9"	10,800	12,300	
	70	43	66° - 6"	8,600	9,800	
80	32	53° - 6"	7,000	8,000		
25	78	103° - 3"	36,700	41,600		
110	30	75	102° - 0"	28,300	32,000	
	40	69	98° - 9"	18,900	21,400	
	50	63	94° - 3"	13,800	15,600	
	60	56	88° - 3"	10,600	12,000	
	70	49	80° - 6"	8,400	9,500	
	80	41	70° - 6"	6,800	7,700	
90	31	56° - 6"	5,600	6,300		
25	79	113° - 3"	36,500	41,300		
120	30	76	112° - 3"	28,000	31,800	
	40	71	109° - 3"	18,600	21,100	
	50	65	105° - 3"	13,500	15,300	
	60	59	100° - 0"	10,300	11,700	
	70	53	93° - 6"	8,100	9,200	
	80	46	85° - 0"	6,500	7,400	
90	39	74° - 0"	5,300	6,000		
100	29	59° - 0"	4,300	4,900		
25	80	123° - 6"	36,300	* 36,300		
130	30	77	122° - 6"	27,800	31,500	
	40	71	119° - 9"	18,400	20,900	
	50	67	116° - 3"	13,300	15,100	
	60	62	111° - 6"	10,100	11,400	
	70	57	105° - 6"	7,900	8,900	
	80	51	98° - 3"	6,300	7,100	
90	44	89° - 0"	5,100	5,700		
100	37	77° - 6"	4,100	4,600		
110	28	61° - 9"	3,300	3,800		
30	78	123° - 9"	* 27,600	* 27,600		
140	40	74	130° - 3"	18,100	20,600	
	50	69	127° - 0"	13,000	14,800	
	60	64	122° - 9"	9,800	11,100	
	70	59	117° - 6"	7,600	8,600	
	80	54	110° - 9"	6,000	6,800	
	90	49	103° - 0"	4,800	5,400	
100	42	93° - 0"	3,800	4,300		
110	35	80° - 9"	3,000	3,400		
120	27	64° - 0"	2,400	2,700		

CRANE SERVICE

Loads shown in table are for general crane service with the machine on firm level ground. Mast and pendant suspension is required for all booms. Booms can be raised to 82° maximum angle.

RECOMMENDED HOIST TACKLE

Loads over	13,000	26,000	39,000	52,000	65,000
Parts of line	2	3	4	5	6

Deduct weight of hook block, hooks and slings from listed loads:

20 Ton Single Sheave Swivel Hook Block weighs	390 lbs.
35 Ton Double Sheave Swivel Hook Block weighs	580 lbs.
50 Ton Triple Sheave Swivel Hook Block weighs	1050 lbs.
5 Ton Weighted Hook weighs	220 lbs.

JIBS

Use jibs for lifting crane service only. Allowable loads on main boom sheave, when jib is attached, must be reduced as follows:

10 ft. Jib	1300 lbs.
20 ft. Jib	1600 lbs.
30 ft. Jib	1800 lbs.
40 ft. Jib	2100 lbs.

Maximum length of boom to which a jib may be attached is 130 ft.

For maximum allowable jib loads refer to notes A and B, but do not exceed the following tabulated loads:

A. When mounted on booms 40 ft. - 100 ft. the allowable load over the jib sheave, at any radius from centerline of rotation of machine, is the same load that may be lifted over the boom sheave (without jib) with boom lowered to that radius, but not to exceed the loads specified.

B. When mounted on booms 110 ft. - 130 ft. the allowable load over the jib sheave, at any radius from centerline of rotation of machine, is two-thirds (2/3) of the same load that may be lifted over the boom sheave (without jib) with boom lowered to that radius, but not to exceed the loads specified.

Jib Offset* In Degrees	10 ft. Jib	20 ft. Jib	30 ft. Jib	40 ft. Jib
0	10,000	10,000	10,000	7,000
15	10,000	10,000	10,000	7,000
30	10,000	10,000	10,000	7,000
45	10,000	10,000	7,000	5,000

*Maximum offset (angular) from centerline of boom to centerline of jib.

GENERAL

Maximum booms and boom-jib combinations that can be lifted off the ground unassisted are:

	BUTT SPICED BOOMS	
	Booms	Booms With Jibs
Over Side	130 ft.	120 ft. + 40 ft.
Over End	130 ft.	120 ft. + 40 ft.
		130 ft. + 30 ft.
	PIN CONNECTED BOOMS	
	Booms	Booms With Jibs
Over Side	130 ft.	110 ft. + 40 ft.
Over End	130 ft.	110 ft. + 40 ft.
		120 ft. + 30 ft.

120 ft. of boom with 1050 lbs. hook block is the maximum boom that can be propelled with the boom point below cab height.

DRAGLINE - CLAMSHELL SERVICE

Maximum length of boom for bucket service is 60 ft.

Recommended maximum allowable loads for general dragline service are those shown in Column No. 3, but not to exceed 10,000 lbs. for weight of bucket and contents.

The above ratings apply only to machines that are level and standing on hard level uniform supporting surfaces. Loads must be freely suspended. The radii specified are loaded radii. Ratings include blocks, hooks, slings or other equipment.