

RATED LIFTING CAPACITIES IN POUNDS
28 ft. - 70 ft. BOOM

ON OUTRIGGERS FULLY EXTENDED - 360°

Radius in feet	Main boom length in Feet							
	28	34	40	46	52	58	64	70
10	50,000 (64)	36,000 (69)	36,000 (73)					
12	40,000 (59.5)	36,000 (65.5)	36,000 (70)	35,000 (73)				
15	31,000 (51.5)	31,000 (59.5)	30,950 (65)	30,300 (69)	29,750 (72)	29,150 (74.5)		
20	23,200 (36.5)	23,200 (49)	23,200 (57)	23,200 (62)	23,000 (66)	22,600 (69.5)	22,250 (72)	20,500 (74)
25	17,950 (6)	17,950 (36)	17,950 (47.5)	17,950 (54.5)	17,950 (60)	17,950 (64)	17,950 (57)	17,650 (69.5)
30		13,470 (15.5)	13,470 (35.5)	13,470 (40.5)	13,470 (50)	13,470 (58)	13,470 (62)	13,470 (65)
35	See note 16		10,220 (20)	10,220 (36.5)	10,220 (45.5)	10,220 (51.5)	10,220 (56.5)	10,220 (60)
40				8,000 (23)	8,000 (36.5)	8,000 (45)	8,000 (53.5)	8,000 (55)
45					6,530 (25)	6,530 (37)	6,530 (41.5)	6,530 (49.5)
50						5,400 (26.5)	5,400 (37)	5,400 (43.5)
55						4,440 (15)	4,440 (28)	4,440 (37)
60							3,620 (14)	3,620 (28.5)
65								2,980 (15.5)
Minimum boom angle (deg.) for indicated length (no load)								0
Maximum boom length (ft.) at 0 deg. Boom angle (no load)								70

Note: () boom angles are in degrees.

RATED LIFTING CAPACITIES IN POUNDS
28 ft. - 70 ft. BOOM

ON OUTRIGGERS FULLY EXTENDED - OVER FRONT

Radius in feet	Main boom length in Feet							
	28	34	40	46	52	58	64	70
10	50,000 (64)	36,000 (69)	36,000 (73)					
12	40,000 (59.5)	36,000 (65.5)	36,000 (70)	35,000 (73)				
15	31,000 (51.5)	31,000 (59.5)	30,950 (65)	30,300 (69)	29,750 (72)	29,150 (74.5)		
20	23,200 (36.5)	23,200 (49)	23,200 (57)	23,200 (62)	23,000 (66)	22,600 (69.5)	22,250 (72)	20,500 (74)
25	17,950 (6)	17,950 (36)	17,950 (47.5)	17,950 (54.5)	17,950 (60)	17,950 (64)	17,950 (57)	17,650 (69.5)
30		15,350 (15.5)	15,350 (35.5)	15,350 (40.5)	15,350 (50)	15,150 (58)	14,950 (56.5)	14,750 (65)
35	See note 16		11,900 (20)	11,900 (36.5)	11,900 (45.5)	11,900 (51.5)	11,900 (56.5)	11,900 (60)
40				9,410 (23)	9,410 (36.5)	9,410 (45)	9,410 (53.5)	9,410 (55)
45					7,720 (25)	7,720 (37)	7,720 (41.5)	7,720 (49.5)
50						6,410 (26.5)	6,410 (37)	6,410 (43.5)
55						5,410 (15)	5,410 (28)	5,410 (37)
60							4,530 (14)	4,530 (28.5)
65								3,780 (15.5)
Minimum boom angle (deg.) for indicated length (no load)								0
Maximum boom length (ft.) at 0 deg. Boom angle (no load)								70

Note: () boom angles are in degrees.

ON RUBBER CAPACITIES
20.5 x 25 (22 or 28 ply) TIRES

Radius in feet	Stationary Capacity		Pick & Carry Cap. up to 2.5 MPH
	Defined arc Over front (3)	360 Degree Arc	Boom Centered Over front (7)
10	28,380 (a)	24,450 (a)	26,020 (a)
12	23,800 (a)	17,190 (a)	22,420 (a)
15	19,100 (a)	11,640 (b)	18,380 (a)
20	13,940 (b)	7,180 (c)	13,940 (a)
25	9,160 (b)	4,330 (c)	9,160 (b)
30	6,640 (c)	2,930 (d)	4,830 (c)
35	5,100 (d)	2,000 (e)	3,790 (d)
40	4,020 (e)	1,370 (f)	3,020 (d)
45	3,140 (f)	880 (g)	2,310 (e)
50	2,430 (g)		1,710 (f)
55	1,860 (g)		1,210 (f)
60	1,440 (h)		
65	1,100 (h)		

Max. Permissible Boom Length

- (a) 28 ft. (e) 52 ft.
(b) 34 ft. (f) 58 ft.
(c) 40 ft. (g) 64 ft.
(d) 46 ft. (h) 70 ft.

Front (no load)	Min. Boom angle (deg.) for indicated length	Main Boom 70 ft.
360 deg. (no load)	Max. Boom length (ft.) at 0 deg. Boom angle	
	Min. Boom angle (deg.) for indicated length	0
	Max. Boom length (ft.) at 0 deg. Boom angle	70
	Min. Boom angle (deg.) for indicated length	34
	Max. Boom length (ft.) at 0 deg. Boom angle	52

NOTES FOR RUBBER CAPACITIES

- Capacities do not exceed 75% of tipping loads as determined by test in accordance with SAE J765.
- Capacities are applicable to machines equipped with 20.5 X 25 (20 ply), at 80 psi cold inflation pressure (60 psi for 2.5 mph pick & carry capacities).
- Defined Arc - Over front includes + - 6° on either side of longitudinal centerline of machine.
- Capacities appearing above bold line are based on structural strength and tipping should not be relied upon as a capacity limitation.
- Capacities are applicable only with machine on firm level surface.
- On rubber lifting with jib is not permitted.
- For pick & carry operation, boom must be centered over front of machine, mechanical swing lock engaged, and load restrained from swinging. When handling loads in the structural range with capacities close to maximum rating, travel should be reduced to creep speeds.
- Axle lockouts must be functioning before lifting on rubber. (Check automatic lockout system for proper functioning: refer to "Operation and Maintenance Manual" for description of a proper functioning axle lockout system).
- All rubber lifting depends on proper tire inflation, capacity and condition. Capacities must be reduced for lower tire inflation pressures. See lifting capacity chart for tire used. Damaged tires are hazardous to safe operation of crane.

JIB CAPACITIES IN POUNDS
23 ft. - 38 ft. TELE. JIB

Boom Angle	23 Ft. Jib Length (Fully retracted)						33 Ft. Jib Length						38 Ft. Jib Length (Fully extended)					
	0° Offset		15° Offset		30° Offset		0° Offset		15° Offset		30° Offset		0° Offset		15° Offset		30° Offset	
	Radius Ft.	Cap. Lbs.	Radius Ft.	Cap. Lbs.	Radius Ft.	Cap. Lbs.	Radius Ft.	Cap. Lbs.	Radius Ft.	Cap. Lbs.	Radius Ft.	Cap. Lbs.	Radius Ft.	Cap. Lbs.	Radius Ft.	Cap. Lbs.	Radius Ft.	Cap. Lbs.
75°	27	12,500	31	7,300	35	4,500	29	7,600	35	4,900	43	2,900	31	5,000	39	3,700	45	2,230
70°	33	9,850	37	6,390	40	4,160	35	6,500	42	4,200	48	2,600	37	4,600	45	3,300	51	1,930
65°	40	6,600	46	5,750	47	3,900	43	5,300	50	3,800	56	2,400	46	4,400	53	2,900	59	1,870
60°	47	5,020	51	4,830	53	3,680	51	4,800	57	3,400	62	2,300	54	3,500	61	2,600	66	1,720
55°	53	3,860	57	3,420	59	3,120	58	3,800	64	2,700	69	2,200	62	2,900	68	2,400	72	1,650
50°	59	3,060	62	2,790	65	2,650	65	2,500	70	2,100	74	1,900	69	2,400	75	2,000	78	1,620
45°	65	2,450	68	2,280	69	2,180	71	2,000	76	1,700	80	1,600	75	1,900	81	1,600	84	1,580
40°	69	1,900	72	1,870	74	1,950	77	1,600	81	1,400	84	1,300	81	1,600	86	1,300	89	1,240
35°	74	1,580	76	1,530	77	1,440	82	1,300	86	1,150	88	1,100	87	1,100	91	1,000	93	980
30°	77	1,290	80	1,270	81	1,210	87	1,000	90	950	91	920	92	860	95	840	96	830

Telejib fully retracted	33 ft. Telejib length	Telejib fully extended
93 ft.	103 ft.	108 ft.
0°	0°	0°
93 ft.	103 ft.	108 ft.
0°	0°	0°

NOTES FOR JIB CAPACITIES

- 23 ft. jib and 23 ft. telejib length may be used for double lifting service. 33 ft. and 38 ft. telejib lengths may be used for single lifting service only. Capacities are based on structural strength of every jib at a given main boom angle regardless of main boom length.
- WARNING: operation of machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with jib occurs rapidly and without advance warning.
- Capacities listed are with fully extended outriggers only.
- WARNING: lifting on rubbers with jib is prohibited.
- Reference radii listed are for fully extended main boom only.
- No load stability on outriggers with:
 - 23 ft. jib installed -
 - Minimum boom angle for fully extended main boom = 0°
 - Maximum boom length at 0° main boom angle = 93 ft.