

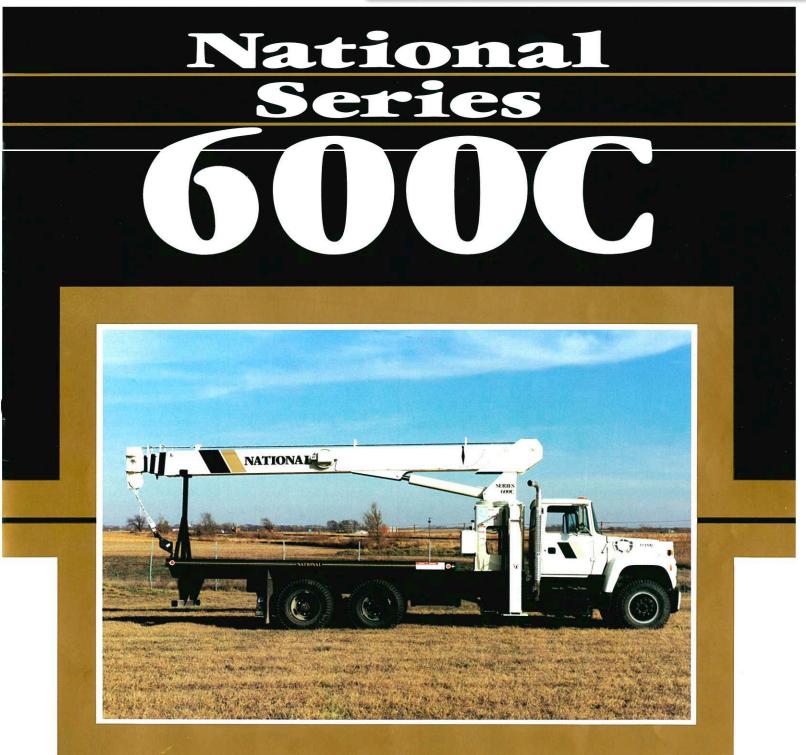
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♀ Lázaro Cárdenas No. 2951 Col. Álamo industrial, Tlaquepaque Jal. C.P. 45593



A heavy-duty telescoping crane from National, America's truck-mounted hydraulic crane leader

- Maximum Capacity: 34,000 Pounds (15.4 Metric Tons)
- Maximum Vertical Reach: 134 Feet (40.9 Meters)

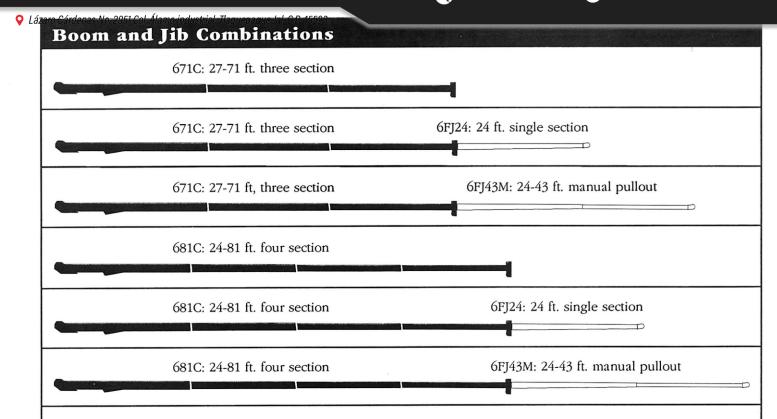


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Reaches to 134 feet (40.8m)!

The Series 600C is available in two basic models:

Model 671C

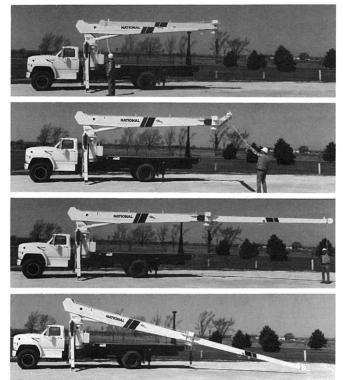
Model 671C comes with a 27-71 foot (8.2-21.6m) three section boom. This model reaches to a height of 124 feet (37.8m) when equipped with the 43-foot (13.1m) jib. It reaches to a height of 81 feet (24.7m) hydraulically. Model 681C

Model 681 comes with a 24-81 foot (7.3-24.7m) four section boom. This model reaches to a height of 134 feet (40.8m) when equipped with the 43-foot (13.1m) jib. It reaches to a height of 91 feet (27.7m) hydraulically.

Both models are available with the optional jibs shown in the chart above.

Note: An angling jib (6FJ15A) is available for Models 671C and 681C.

Other boom lengths are available on special request.



This sequence of photos shows how a National jib folds out into a working position.



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Nati	onal Series		1 Part Line	2 Part Line	3 Part Line	4 Part Line	5 Part Line
	Winch Dat Caution	a					
 when exter Keep at lea at all times. Use only 9/ cable with on this made Maximum of 	/16" diameter rotati 38,500 pounds bre	oadline on drum on resistant aking strength		the second	all a set	A CONTRACTOR	A Street
Winch	Cable Supplied	Average Break- ing Strength	Lift and Speed				
Standard	9/16" diameter rotation resistant 19x7 IWRC	38,500 lbs.	7,700 lbs. 164 fpm	15,400 lbs. 82 fpm	23,100 lbs. 55 fpm	30,800 lbs. 41 fpm	34,000 lbs. 33 fpm
Planetary Winch	Optional 9/16" diameter 6x25 IWRC	7,700 lbs. 164 fpm	15,400 lbs. 82 fpm	23,100 lbs. 55 fpm	30,800 lbs. 41 fpm	34,000 lbs. 33 fpm	
With "Burst- of-Speed" Feature	Same as cor cable data sl	responding hown above	3,000 lbs. 265 fpm	6,000 lbs. 133 fpm	9,000 lbs. 88 fpm	12,000 lbs. 66 fpm	15,000 lbs. 53 fpm

All winch pulls and speeds are shown on the fourth layer. Winch pulls would increase on the first, second, and third layers. Winch line pulls would decrease on the first, second, and third layers. Winch line pulls may be limited by the winch capacity or the cable safety factor. These are shown below:

Winch	Bare Drum Pull	Allowable Cable Pull
With standard rotation resistant rope	10,000 pounds	7,700 pounds
With optional 6x25 IWRC rope	10,000 pounds	8,400 pounds

Do not operate crane booms, jib extensions, any accessories, or loads within 10 feet (3m) of live power lines or other conductors of electricity.	 Load ratings shown on the following load rating charts are maximum allowable loads with the outriggers properly extended on a firm, level surface and the crane leveled and mounted on a fac- tory-recommended truck. Always level the crane with the level 	 indicator located on the crane frame. 3. The operator must re- duce loads to allow for factors such as wind, ground conditions, operating speeds and the effect of freely sus- pended loads. 4. Overloading this crane may cause struc- tural collapse or insta- bility. 	5. Weights of any accessories attached to the boom or loadline must be deducted from the load chart capacities.6. Do not exceed jib capacities at any reduced boom lengths.



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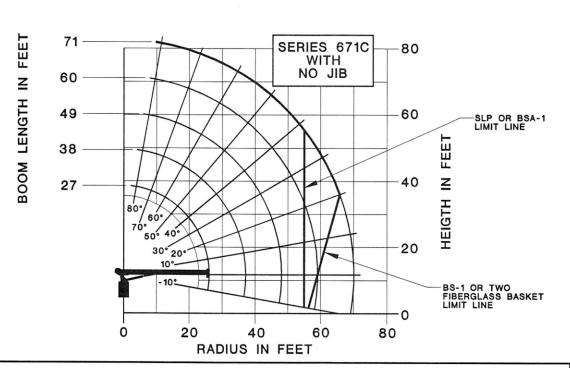
IMPORTANTE: este material es para uso informativo únicamente. Para realizar movimientos y maniobras, póngase en contacto con nosotros.

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				LOA	D RATI	NGS					LOADLINE
LOAD RADIUS (FEET)	LOADED BOOM ANGLE	27FT BOOM (LBS)	LOADED BOOM ANGLE	38FT BOOM (LBS)	LOADED BOOM ANGLE	49FT BOOM (LBS)	LOADED BOOM ANGLE	60FT BOOM (LBS)	LOADED BOOM ANGLE	71FT BOOM (LBS)	EQUIPMENT DEDUCT
4.5	80	34,000					1				
8	72	21,500	78	19,500							DOWNHAUL WEIGHT = 150
10	67	17,900	74.5	16,100	78.5	14,900					
12	62.5	15,400	71.5	13,900	76	12,800	79	11,800			ONE SHEAVE BLOCK = 200
14	57	13,700	68	12,200	73.5	11,200	77	10,400	79.5	10,000	TWO SHEAVE
16	52	12,300	64.5	10,900	71	9,900	75	9,200	77.5	8,800	BLOCK = 355
20	39.5	10,000	57	9,000	66	8,200	71.5	7,600	74.5	7,200	
25	17	7,600	49	7,500	60	6,800	66.5	6,200	70.5	5,800	
30			37.5	6,300	53	5,700	61	5,200	66	4,900	
35			21	5,000	44.5	4,900	55	4,500	61.5	4,200	
40					35	4,200	49	3,900	56.5	3,600	
45			с.,		22	3,500	42	3,300	51.5	3,150	
50							34	2,900	46	2,750	
55							23	2,500	40	2,400	
60									33	2,100	2
65									23.5	1,750	
70									4	1,100	
	0	6,000	0	3,600	0	2,400	0	1,550	0	950	



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The capacities shown will be reduced when accessories are attached to the boom or loadline. Note: Rated loads do not exceed 85% of the tipping load. Structural strength ratings in the chart below are shaded.

24F	1B T 71	80'	70*	^{80'} 2	RIES 671 WITH 4FT JIB 50 ⁻	100 80	2. OPE BOC RAT	RATE WIT	TH JIB BY TENDED. IF E TO MAIN TH JIB BY T FULLY E APACITIES	BOOM AN	GLE WHEN	S. MAIN
≚ 6	so <u> </u>	H	\mathcal{N}	\downarrow	X	33*	F			JIB I	OAD RAT	TINGS
BOOM LENGTH	19	\mathcal{A}	\mathbf{k}	\mathbf{X}	X	60	EE.			LOAD RADIUS	LOADED	24FT JIB
<u>⊐</u> 3	18-++	$\downarrow \downarrow$	$\times \rightarrow$	$\langle - \chi$	30* DO		Z			(FEET) 20	ANGLE 79	(LBS)
MO		IA			NO EXTE	ND \	неістн			20	79	4,600
ŏ 2	27-1-7	∇X		1	20. JIE	-40	5			30	78	3,800
ш	14	\times		111			포			35	69.5	3,800
		X	17	T X	ARE	A				40	66.5	2,650
		T		HA	-	-20				45	63	2,250
		10.	T							50	59.5	1,950
	P	-10*			-	-BS-1 O FIBERG	LASS BASE	KET		55	56	1,700
	T					LIMIT L	INE			60	50	
						State (1997)				00	52	1,450
						0				65	48	1,450
	0	20	40	60	80	-						
	O BSA-1 LIN	SLP OR-	/	60 DIUS IN		-				65 70 75	48	1,250
	·	SLP OR-	/	DIUS IN	FEET)				65 70	48 43.5	1,250 1,050
	·	SLP OR-	/	DIUS IN)	as			65 70 75	48 43.5 39	1,250 1,050 850 650
LOAD RADIUS (FEET)	·	SLP OR-	/	DIUS IN	FEET)	S LOADED BOOM ANGLE	60FT BOOM (LBS)	LOADED BOOM ANGLE	65 70 75	48 43.5 39 33.5	1,250 1,050 850 650 LINE MENT
RADIUS (FEET) 4.5	BSA-1 LIN BOOM ANGLE 79.5	SLP OR MIT LINE 27FT BOOM (LBS) 34,000	LOADED BOOM ANGLE	BOOM	FEET LOAD	RATING	LOADED	BOOM	BOOM	65 70 75 80 71FT BOOM	48 43.5 39 33.5 LOAD EQUIP DED	1,250 1,050 850 650 LINE MENT UCT
RADIUS (FEET) 4.5 8	BSA-1 LIN BOOM ANGLE 79.5 71.5	SLP OR - MIT LINE 27FT BOOM (LBS) 34,000 20,750	RA LOADED BOOM ANGLE 77.5	BOOM	FEET LOAD	RATING	LOADED	BOOM	BOOM	65 70 75 80 71FT BOOM	48 43.5 39 33.5 LOAD EQUIP DED	1,250 1,050 850 650 LINE MENT UCT
RADIUS (FEET) 4.5 8 10	BSA-1 LIN BOOM ANGLE 79.5 71.5 67	SLP OR MIT LINE 27FT BOOM (LBS) 34,000 20,750 17,250	RA LOADED BOOM ANGLE 77.5 74.5	BOOM 38FT BOOM (LBS)	FEET LOAD	RATING	LOADED	BOOM	BOOM	65 70 75 80 71FT BOOM	48 43.5 39 33.5 LOAD EQUIP DED DED	1,250 1,050 850 650 LINE MENT UCT
RADIUS (FEET) 4.5 8 10 12	LOADED BOOM ANGLE 79.5 71.5 67 62	SLP OR MIT LINE 27FT BOOM (LBS) 34,000 20,750 17,250 14,950	RA LOADED BOOM ANGLE 77.5 74.5 71	BOOM 38FT BOOM (LBS) 19,000 15,600 13,400	FEET LOAD BOOM ANGLE 78.5 76	RATING 49FT BOOM (LBS)	LOADED BOOM ANGLE 79	BOOM	BOOM	65 70 75 80 71FT BOOM	48 43.5 39 33.5 LOAD EQUIP DED	1,250 1,050 850 650 LINE MENT UCT HAUL = 150 HEAVE
RADIUS (FEET) 4.5 8 10 12 14	BSA-1 LIN BOOM ANGLE 79.5 71.5 67 62 57	SLP OR MIT LINE 27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050	RA	BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 11,700	FEET LOADED BOOM ANGLE 78.5 76 73.5	RATING 49FT BOOM (LBS) 14,350 12,150 10,600	LOADED BOOM ANGLE 79 77	BOOM (LBS) 11,250 9,800	BOOM ANGLE	65 70 75 80 71FT BOOM	48 43.5 39 33.5 LOAD EQUIP DED DED DED Weight ONE SI BLOCK TWO S	1,250 1,050 850 650 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
RADIUS (FEET) 4.5 8 10 12 14 16	LOADED BOOM ANGLE 79.5 71.5 67 62 57 51.5	SLP OR MIT LINE 27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650	RA LOADED BOOM ANGLE 77.5 74.5 71 68 64.5	BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 11,700 10,400	FEET LOADED BOOM ANGLE 78.5 76 73.5 71	RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400	LOADED BOOM ANGLE 79 77 75	BOOM (LBS) 11,250 9,800 8,700	BOOM ANGLE 79.5 77.5	65 70 75 80 71FT BOOM (LBS) 9,450 8,250	48 43.5 39 33.5 LOAD EQUIP DED DED DOWN WEIGHT ONE SI BLOCK	1,250 1,050 850 650 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20	LOADED BOOM ANGLE 79.5 71.5 67 62 57 51.5 39	SLP OR MIT LINE 27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650 9,450	RA BOOM ANGLE 77.5 74.5 71 68 64.5 57.5	BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 11,700 10,400 8,500	FEET LOADD BOOM ANGLE 78.5 76 73.5 71 66	RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700	LOADED BOOM ANGLE 79 77 75 71.5	BOOM (LBS) 11,250 9,800 8,700 7,150	BOOM ANGLE 79.5 77.5 74.5	65 70 75 80 71FT BOOM (LBS) 9,450 8,250 6,750	48 43.5 39 33.5 LOAD EQUIP DED DED DED Weight ONE SI BLOCK TWO S	1,250 1,050 850 650 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25	LOADED BOOM ANGLE 79.5 71.5 67 62 57 51.5	SLP OR MIT LINE 27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650	RA	BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 13,400 11,700 10,400 8,500 7,050	FEET LOADD BOOM ANGLE 78.5 76 73.5 71 66 59.5	RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700 6,350	LOADED BOOM ANGLE 79 77 75 71.5 66	BOOM (LBS) 11,250 9,800 8,700 7,150 5,750	BOOM ANGLE 79.5 77.5 74.5 70	65 70 75 80 71FT BOOM (LBS) 9,450 8,250 6,750 5,400	48 43.5 39 33.5 LOAD EQUIP DED DED DED Weight ONE SI BLOCK TWO S	1,250 1,050 850 650 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30	LOADED BOOM ANGLE 79.5 71.5 67 62 57 51.5 39	SLP OR MIT LINE 27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650 9,450	RA LOADED BOOM ANGLE 77.5 74.5 71 68 64.5 57.5 48.5 37	BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 13,400 11,700 10,400 8,500 7,050 5,800	FEET LOADED BOOM ANGLE 78.5 76 73.5 71 66 59.5 52.5	RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700 6,350 5,300	LOADED BOOM ANGLE 79 77 75 71.5 66 60.5	BOOM (LBS) 11,250 9,800 8,700 7,150 5,750 4,800	BOOM ANGLE 79.5 77.5 74.5 70 86	65 70 75 80 71FT BOOM (LBS) 9,450 8,250 6,750 5,400 4,500	48 43.5 39 33.5 LOAD EQUIP DED DED DED Weight ONE SI BLOCK TWO S	1,250 1,050 850 650 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 35	LOADED BOOM ANGLE 79.5 71.5 67 62 57 51.5 39	SLP OR MIT LINE 27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650 9,450	RA	BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 13,400 11,700 10,400 8,500 7,050	FEET LOADED BOOM ANGLE 78.5 76 73.5 71 66 59.5 52.5 44.5	RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700 6,350 5,300 4,500	LOADED BOOM ANGLE 79 77 75 71.5 88 80.5 55	BOOM (LBS) 11,250 9,800 8,700 7,150 5,750 4,800 4,100	BOOM ANGLE 79.5 77.5 74.5 70 86 61.5	65 70 75 80 71FT BOOM (LBS) 9,450 8,250 6,750 5,400 4,500 3,900	48 43.5 39 33.5 LOAD EQUIP DED DED DED Weight ONE SI BLOCK TWO S	1,250 1,050 850 650 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30	LOADED BOOM ANGLE 79.5 71.5 67 62 57 51.5 39	SLP OR MIT LINE 27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650 9,450	RA LOADED BOOM ANGLE 77.5 74.5 71 68 64.5 57.5 48.5 37	BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 13,400 11,700 10,400 8,500 7,050 5,800	FEET LOADED BOOM ANGLE 78.5 76 73.5 76 73.5 71 66 59.5 52.5 44.5 35	RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700 6,350 5,300 4,500 3,850	LOADED BOOM ANGLE 79 77 75 71.5 66 60.5 55 48.5	BOOM (LBS) 11,250 9,800 8,700 7,150 5,750 4,800 4,100 3,550	BOOM ANGLE 79.5 77.5 74.5 70 86 81.5 56.5	65 70 75 80 71FT BOOM (LBS) 9,450 8,250 6,750 5,400 4,500 3,900 3,300	48 43.5 39 33.5 LOAD EQUIP DED DED DED Weight ONE SI BLOCK TWO S	1,250 1,050 850 650 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 35 40	LOADED BOOM ANGLE 79.5 71.5 67 62 57 51.5 39	SLP OR MIT LINE 27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650 9,450	RA LOADED BOOM ANGLE 77.5 74.5 71 68 64.5 57.5 48.5 37	BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 13,400 11,700 10,400 8,500 7,050 5,800	FEET LOADED BOOM ANGLE 78.5 76 73.5 71 66 59.5 52.5 44.5	RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700 6,350 5,300 4,500	LOADED BOOM ANGLE 79 77 75 71.5 66 60.5 55 48.5 48.5 41.5	BOOM (LBS) 11,250 9,800 8,700 7,150 5,750 4,800 4,100 3,550 3,100	BOOM ANGLE 79.5 77.5 74.5 70 86 81.5 56.5 51.5	65 70 75 80 71FT BOOM (LBS) 9,450 8,250 6,750 5,400 4,500 3,900 3,300 2,900	48 43.5 39 33.5 LOAD EQUIP DED DED DED Weight ONE SI BLOCK TWO S	1,250 1,050 850 650 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 25 30 35 40 45	LOADED BOOM ANGLE 79.5 71.5 67 62 57 51.5 39	SLP OR MIT LINE 27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650 9,450	RA LOADED BOOM ANGLE 77.5 74.5 71 68 64.5 57.5 48.5 37	BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 13,400 11,700 10,400 8,500 7,050 5,800	FEET LOADED BOOM ANGLE 78.5 76 73.5 76 73.5 71 66 59.5 52.5 44.5 35	RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700 6,350 5,300 4,500 3,850	LOADED BOOM ANGLE 79 77 75 71.5 66 60.5 55 48.5 41.5 33.5	BOOM (LBS) 11,250 9,800 8,700 7,150 5,750 4,800 4,100 3,550 3,100 2,650	BOOM ANGLE 79.5 77.5 74.5 70 68 61.5 56.5 51.5 46	65 70 75 80 71FT BOOM (LBS) 9,450 8,250 6,750 5,400 4,500 3,900 3,300 2,900 2,550	48 43.5 39 33.5 LOAD EQUIP DED DED DED Weight ONE SI BLOCK TWO S	1,250 1,050 850 650 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 25 30 35 40 45 50	LOADED BOOM ANGLE 79.5 71.5 67 62 57 51.5 39	SLP OR MIT LINE 27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650 9,450	RA LOADED BOOM ANGLE 77.5 74.5 71 68 64.5 57.5 48.5 37	BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 13,400 11,700 10,400 8,500 7,050 5,800	FEET LOADED BOOM ANGLE 78.5 76 73.5 76 73.5 71 66 59.5 52.5 44.5 35	RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700 6,350 5,300 4,500 3,850	LOADED BOOM ANGLE 79 77 75 71.5 66 60.5 55 48.5 48.5 41.5	BOOM (LBS) 11,250 9,800 8,700 7,150 5,750 4,800 4,100 3,550 3,100	BOOM ANGLE 79.5 77.5 74.5 70 68 61.5 56.5 51.5 48 48 40	65 70 75 80 71FT BOOM (LBS) 9,450 8,250 6,750 5,400 4,500 3,900 3,300 2,900 2,550 2,200	48 43.5 39 33.5 LOAD EQUIP DED DED DED Weight ONE SI BLOCK TWO S	1,250 1,050 850 650 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 25 30 35 40 45 50 55	LOADED BOOM ANGLE 79.5 71.5 67 62 57 51.5 39	SLP OR MIT LINE 27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650 9,450	RA LOADED BOOM ANGLE 77.5 74.5 71 68 64.5 57.5 48.5 37	BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 13,400 11,700 10,400 8,500 7,050 5,800	FEET LOADED BOOM ANGLE 78.5 76 73.5 76 73.5 71 66 59.5 52.5 44.5 35	RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700 6,350 5,300 4,500 3,850	LOADED BOOM ANGLE 79 77 75 71.5 66 60.5 55 48.5 41.5 33.5	BOOM (LBS) 11,250 9,800 8,700 7,150 5,750 4,800 4,100 3,550 3,100 2,650	BOOM ANGLE 79.5 77.5 74.5 70 66 61.5 56.5 51.5 48 40 32.5	65 70 75 80 71FT BOOM (LBS) 9,450 8,250 6,750 5,400 4,500 3,900 3,300 2,900 2,550 2,200 1,900	48 43.5 39 33.5 LOAD EQUIP DED DED DED Weight ONE SI BLOCK TWO S	1,250 1,050 850 650 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 25 30 35 40 45 55 60	LOADED BOOM ANGLE 79.5 71.5 67 62 57 51.5 39	SLP OR MIT LINE 27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650 9,450	RA LOADED BOOM ANGLE 77.5 74.5 71 68 64.5 57.5 48.5 37	BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 13,400 11,700 10,400 8,500 7,050 5,800	FEET LOADED BOOM ANGLE 78.5 76 73.5 76 73.5 71 66 59.5 52.5 44.5 35	RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700 6,350 5,300 4,500 3,850	LOADED BOOM ANGLE 79 77 75 71.5 66 60.5 55 48.5 41.5 33.5	BOOM (LBS) 11,250 9,800 8,700 7,150 5,750 4,800 4,100 3,550 3,100 2,650	BOOM ANGLE 79.5 77.5 74.5 70 68 61.5 56.5 51.5 48 48 40	65 70 75 80 71FT BOOM (LBS) 9,450 8,250 6,750 5,400 4,500 3,900 3,300 2,900 2,550 2,200	48 43.5 39 33.5 LOAD EQUIP DED DED DED Weight ONE SI BLOCK TWO S	1,250 1,050 850 650 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE



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National Series 600C Load Rating Charts (continued)

				US IN				NOTE:	DATE W				N MAIN B	0014
	O I	20	40	60 8	30 10	0 120	440	IS I	FULLY E>	(TENDED.	IF NECE	ESSARY	INCREASE	
2ND	JIB —	80*-	70*		SERIES	6810	140				INTAIN L		WHEN M	
43			T	60*	WI	тн		BOO	OM IS NO	DT FULLY	EXTEND	ED. DO	NOT EXC	EED
1ST	JIB —	± 4			43FT	JIB	+ 120		IGTHS.	CAPACITIE	S AI AN	IT REDU	CED BOC	^M
24	FT	++			50'		-							
	F	++	/ /	\checkmark			- 100						ATING	
ET	81-			-X			-	∟		RADIUS	LOADED BOOM	JIB	BOOM	JIB
FEET	70-+	-+	X	$A \rightarrow$	×*°° \	++	- 80	EET		(FEET)	ANGLE	(LBS)	ANGLE	(LBS)
Z	59	H	\times			X	-	ш		20 25	78	3,200	79.5	2,000
	48-	AD	$\wedge \land$	X			- 60	Z		30	77.5 74.5	2,800 2,500	79.5	1,700
GT	37-	$\parallel \uparrow \times$	\checkmark	30			-	臣		30	74.5	2,300	75	1,700
BOOM LENGTH		ITA	X		20" DO		40	неістн		40	69	1,900	73	1,300
-	24-1	H		H	EX	TEND		Ξ		45	66	1,600	70.5	1,100
S		· X	AL	X+	10. JIB		- 20			50	63	1,400	68	1,000
BO	1	Ŧ	TYX		TH AR		20			55	60	1,200	65.5	900
	Į.	-10-	42							60	57	1,000	63	800
			· · ·	1			— o			65	53.5	800	60.5	700
			1	1							55.5	and the second se		
	SLP	OR BSA-	·1	BS-	1 OR TW		GLASS			70	50	700	57.5	600
	SLP	OR BSA- IMIT LIN	-1 E	BS- BAS	1 OR TW KET LIM	/O FIBER IT LINE	GLASS					and the second se		
	SLP	OR BSA- IMIT LIN	E	BAS	KET LIM	IT LINE	glass RATINC	as		70	50	700	57.5	600 LINE
	LOADED	LIMIT LIN	E LOADED	BAS B(37FT	COM L	OAD		59FT		70 75 70FT	50 46 LOADED	700 600 81FT	57.5 LOAD EQUIP	600 LINE MENT
LOAD RADIUS (FEET)		LIMIT LIN	E	BAS	DOM L		RATING		LOADED BOOM ANGLE	70 75	50 46	700 600	57.5	600 LINE MENT
RADIUS	LOADED BOOM	24FT	E LOADED BOOM	BAS BC 37FT BOOM	COM L	OAD		59FT BOOM	BOOM	70 75 70FT BOOM	50 46 LOADED BOOM	700 600 81FT BOOM	57.5 LOAD EQUIP DED	600 DLINE MENT UCT
RADIUS (FEET)	LOADED BOOM ANGLE	24FT BOOM (LBS)	E LOADED BOOM	BAS BC 37FT BOOM	COM L	OAD		59FT BOOM	BOOM	70 75 70FT BOOM	50 46 LOADED BOOM	700 600 81FT BOOM	57.5 LOAD EQUIP DED	600 DLINE MENT UCT
RADIUS (FEET) 4.5 8 10	LOADED BOOM ANGLE 78.5 69.5 64	24FT BOOM (LBS) 34,000 22,050 18,250	E LOADED BOOM ANGLE 77.5 74.5	BAS BC 37FT BOOM (LBS) 19,350 15,850	COM L LOADED BOOM ANGLE 78.5	IT LINE OAD 48FT BOOM (LBS) 14,350	RATINO BOOM ANGLE	59FT BOOM (LBS)	BOOM	70 75 70FT BOOM	50 46 LOADED BOOM	700 600 81FT BOOM	57.5 LOAD EQUIP DED DOWN WEIGHT ONE S	600 DLINE MENT UCT
RADIUS (FEET) 4.5 8 10 12	LOADED BOOM ANGLE 78.5 69.5 64 58	24FT BOOM (LBS) 34,000 22,050 18,250 15,650	E LOADED BOOM ANGLE 77.5 74.5 71	BAS BC 37FT BOOM (LBS) 19,350 15,850 13,600	KET LIM DOM L BOOM ANGLE 78.5 76	IT LINE -OAD 48FT BOOM (LBS) 14,350 12,150	RATINO LOADED BOOM ANGLE 79	59FT BOOM (LBS) 10,950	BOOM ANGLE	70 75 70FT BOOM (LBS)	50 46 LOADED BOOM	700 600 81FT BOOM	57.5 LOAD EQUIP DED DOWN WEIGHT ONE S BLOCK	600 DLINE MENT UCT HAUL = 150 HEAVE = 200
RADIUS (FEET) 4.5 8 10 12 14	LOADED BOOM ANGLE 78.5 89.5 84 58 52	24FT BOOM (LBS) 34,000 22,050 18,250 15,650 13,850	E BOOM ANGLE 77.5 74.5 71 67.5	BAS BC 37FT BOOM (LBS) 19,350 15,850 13,600 11,900	KET LIM DOM L LOADED BOOM ANGLE 78.5 76 73.5	IT LINE OAD 48FT BOOM (LBS) 14,350 12,150 10,650	RATINO LOADED BOOM ANGLE 79 77	59FT BOOM (LBS) 10,950 9,550	BOOM ANGLE	70 75 70FT BOOM (LBS) 8,800	50 46 LOADED BOOM	700 600 81FT BOOM	57.5 LOAD EQUIP DED DOWN WEIGHT ONE \$ BLOCK	600 DLINE MENT UCT
RADIUS (FEET) 4.5 8 10 12 14 16	LOADED BOOM ANGLE 78.5 89.5 84 58 52 45.5	24FT BOOM (LBS) 34,000 22,050 18,250 15,650 13,850 12,350	E BOOM ANGLE 77.5 74.5 71 67.5 64	BAS BC 37FT BOOM (LBS) 19,350 15,850 13,600 11,900 10,600	KET LIM DOM L BOOM ANGLE 78.5 76 73.5 71	IT LINE OAD 48FT BOOM (LBS) 14,350 12,150 10,650 9,450	RATINO LOADED BOOM ANGLE 79 77 75	59FT BOOM (LBS) 10,950 9,550 8,500	BOOM ANGLE 79.5 78	70 75 70FT BOOM (LBS) 8,800 7,800	50 46 BOOM ANGLE	700 600 81FT BOOM (LBS)	57.5 LOAD EQUIP DED DOWN WEIGHT ONE \$ BLOCK	600 DLINE MENT UCT = 150 HEAVE = 200 SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20	LOADED BOOM ANGLE 78.5 89.5 84 58 52	24FT BOOM (LBS) 34,000 22,050 18,250 15,650 13,850	E BOOM ANGLE 77.5 74.5 71 67.5 64 56.5	BAS BC 37FT BOOM (LBS) 19,350 15,850 13,600 11,900 10,600 8,700	KET LIM DOM L BOOM ANGLE 78.5 76 73.5 71 65.5	IT LINE OAD 48FT BOOM (LBS) 14,350 12,150 10,650 9,450 7,750	RATINO LOADED BOOM ANGLE 79 77 75 71	59FT BOOM (LBS) 10,950 9,550 8,500 7,050	BOOM ANGLE 79.5 78 74.5	70 75 70FT BOOM (LBS) 8,800 7,800 6,400	50 46 LOADED BOOM ANGLE 77	700 600 81FT BOOM (LBS) 6,150	57.5 LOAD EQUIP DED DOWN WEIGHT ONE \$ BLOCK	600 DLINE MENT UCT = 150 HEAVE = 200 SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25	LOADED BOOM ANGLE 78.5 89.5 84 58 52 45.5	24FT BOOM (LBS) 34,000 22,050 18,250 15,650 13,850 12,350	E BOOM ANGLE 77.5 74.5 74.5 71 67.5 64 56.5 47	BAS B(37FT BOOM (LBS) 19,350 15,850 13,600 11,900 10,600 8,700 7,250	KET LIM DOM L BOOM ANGLE 78.5 76 73.5 71 65.5 59	IT LINE OAD 48FT BOOM (LBS) 14,350 12,150 10,650 9,450 7,750 6,400	RATINO LOADED BOOM ANGLE 79 77 75 71 66	59FT BOOM (LBS) 10,950 9,550 8,500 7,050 5,700	BOOM ANGLE 79.5 78	70 75 70FT BOOM (LBS) 8,800 7,800 6,400 5,200	50 46 BOOM ANGLE	700 600 81FT BOOM (LBS) 	57.5 LOAD EQUIP DED DOWN WEIGHT ONE \$ BLOCK	600 DLINE MENT UCT = 150 HEAVE = 200 SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20	LOADED BOOM ANGLE 78.5 89.5 84 58 52 45.5	24FT BOOM (LBS) 34,000 22,050 18,250 15,650 13,850 12,350	E BOOM ANGLE 77.5 74.5 71 67.5 64 56.5	BAS BCOM (LBS) 19,350 15,850 13,600 11,900 10,600 8,700 7,250 5,950	KET LIM DOM L BOOM ANGLE 78.5 76 73.5 71 65.5	IT LINE OAD 48FT BOOM (LBS) 14,350 12,150 10,650 9,450 7,750 6,400 5,350	RATINO LOADED BOOM ANGLE 79 77 75 71	59FT BOOM (LBS) 10,950 9,550 8,500 7,050 5,700 4,800	BOOM ANGLE 79.5 78 74.5 70.5	70 75 70FT BOOM (LBS) 8,800 7,800 6,400	50 46 BOOM ANGLE 77 73.5	700 600 81FT BOOM (LBS) 6,150	57.5 LOAD EQUIP DED DOWN WEIGHT ONE \$ BLOCK	600 DLINE MENT UCT = 150 HEAVE = 200 SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30	LOADED BOOM ANGLE 78.5 89.5 84 58 52 45.5	24FT BOOM (LBS) 34,000 22,050 18,250 15,650 13,850 12,350	E BOOM ANGLE 77.5 74.5 71 67.5 64 58.5 47 35	BAS B(37FT BOOM (LBS) 19,350 15,850 13,600 11,900 10,600 8,700 7,250	KET LIM DOM L BOOM ANGLE 78.5 76 73.5 71 65.5 59 51.5	IT LINE OAD 48FT BOOM (LBS) 14,350 12,150 10,650 9,450 7,750 6,400	RATINC LOADED BOOM ANGLE 79 77 75 71 66 60.5	59FT BOOM (LBS) 10,950 9,550 8,500 7,050 5,700	BOOM ANGLE 79.5 78 74.5 70.5 68	70 75 70FT BOOM (LBS) 8,800 7,800 6,400 5,200 4,350	50 46 BOOM ANGLE 77 73.5 69.5	700 600 81FT BOOM (LBS) 6,150 4,950 4,100	57.5 LOAD EQUIP DED DOWN WEIGHT ONE \$ BLOCK	600 DLINE MENT UCT = 150 HEAVE = 200 SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 35	LOADED BOOM ANGLE 78.5 89.5 84 58 52 45.5	24FT BOOM (LBS) 34,000 22,050 18,250 15,650 13,850 12,350	E BOOM ANGLE 77.5 74.5 71 67.5 64 58.5 47 35	BAS BCOM (LBS) 19,350 15,850 13,600 11,900 10,600 8,700 7,250 5,950	KET LIM DOM L BOOM ANGLE 78.5 76 73.5 76 73.5 71 65.5 59 51.5 43.5	IT LINE -OAD 48FT BOOM (LBS) 14,350 12,150 10,650 9,450 7,750 6,400 5,350 4,550	RATINC LOADED BOOM ANGLE 79 77 75 71 68 80.5 54.5	59FT BOOM (LBS) 10,950 9,550 8,500 7,050 5,700 4,800 4,100	BOOM ANGLE 79.5 78 74.5 70.5 66 61	70 75 70FT BOOM (LBS) 8,800 7,800 6,400 5,200 4,350 3,750	50 46 BOOM ANGLE 77 73.5 69.5	700 600 81FT BOOM (LBS) 6,150 4,950 4,100 3,500	57.5 LOAD EQUIP DED DOWN WEIGHT ONE \$ BLOCK	600 DLINE MENT UCT = 150 HEAVE = 200 SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 35 40	LOADED BOOM ANGLE 78.5 89.5 84 58 52 45.5	24FT BOOM (LBS) 34,000 22,050 18,250 15,650 13,850 12,350	E BOOM ANGLE 77.5 74.5 71 67.5 64 58.5 47 35	BAS BCOM (LBS) 19,350 15,850 13,600 11,900 10,600 8,700 7,250 5,950	KET LIM DOM L BOOM ANGLE 78.5 78.5 78.5 78.5 78.5 73.5 71 85.5 59 51.5 43.5 33	IT LINE 48FT BOOM (LBS) 14,350 12,150 10,650 9,450 7,750 6,400 5,350 4,550 3,850	RATINC LOADED BOOM ANGLE 79 77 75 71 86 60.5 54.5 48	59FT BOOM (LBS) 10,950 9,550 8,500 7,050 5,700 4,800 4,100 3,550	BOOM ANGLE 79.5 78 74.5 70.5 68 61 56.5	70 75 70FT BOOM (LBS) 8,800 7,800 6,400 5,200 4,350 3,750 3,250	50 46 BOOM ANGLE 77 73.5 69.5 65.5 61.5	700 600 81FT BOOM (LBS) 6,150 4,950 4,100 3,500 3,050	57.5 LOAD EQUIP DED DOWN WEIGHT ONE \$ BLOCK	600 DLINE MENT UCT = 150 HEAVE = 200 SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 25 30 35 40 45	LOADED BOOM ANGLE 78.5 89.5 84 58 52 45.5	24FT BOOM (LBS) 34,000 22,050 18,250 15,650 13,850 12,350	E BOOM ANGLE 77.5 74.5 71 67.5 64 58.5 47 35	BAS BCOM (LBS) 19,350 15,850 13,600 11,900 10,600 8,700 7,250 5,950	KET LIM DOM L BOOM ANGLE 78.5 78.5 78.5 78.5 78.5 73.5 71 85.5 59 51.5 43.5 33	IT LINE 48FT BOOM (LBS) 14,350 12,150 10,650 9,450 7,750 6,400 5,350 4,550 3,850	RATINC LOADED BOOM ANGLE 79 77 75 71 66 80.5 54.5 48 40.5	59FT BOOM (LBS) 10,950 9,550 8,500 7,050 5,700 4,800 4,100 3,550 3,100	BOOM ANGLE 79.5 78 74.5 70.5 66 61 56.5 51	70 75 70FT BOOM (LBS) 8,800 7,800 6,400 5,200 4,350 3,750 3,250 2,850	50 46 BOOM ANGLE 77 73.5 69.5 65.5 61.5 57.5	700 600 81FT BOOM (LBS) 6,150 4,950 4,100 3,500 3,050 2,650	57.5 LOAD EQUIP DED DOWN WEIGHT ONE \$ BLOCK	600 DLINE MENT UCT = 150 HEAVE = 200 SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 25 30 35 40 45 50	LOADED BOOM ANGLE 78.5 89.5 84 58 52 45.5	24FT BOOM (LBS) 34,000 22,050 18,250 15,650 13,850 12,350	E BOOM ANGLE 77.5 74.5 71 67.5 64 58.5 47 35	BAS BCOM (LBS) 19,350 15,850 13,600 11,900 10,600 8,700 7,250 5,950	KET LIM DOM L BOOM ANGLE 78.5 78.5 78.5 78.5 78.5 73.5 71 85.5 59 51.5 43.5 33	IT LINE 48FT BOOM (LBS) 14,350 12,150 10,650 9,450 7,750 6,400 5,350 4,550 3,850	RATINC LOADED BOOM ANGLE 79 77 75 71 66 60.5 54.5 48 40.5 32	59FT BOOM (LBS) 10,950 9,550 8,500 7,050 5,700 4,800 4,100 3,550 3,100 2,675	BOOM ANGLE 79.5 78 74.5 70.5 68 61 56.5 51 45.5 39 31.5	70 75 70FT BOOM (LBS) 8,800 7,800 6,400 5,200 4,350 3,750 3,250 2,850 2,500	50 46 LOADED BOOM ANGLE 77 73.5 69.5 65.5 61.5 57.5 53 48 43	700 600 81FT BOOM (LBS) 6,150 4,950 4,950 4,950 3,050 2,650 2,350 2,050 1,800	57.5 LOAD EQUIP DED DOWN WEIGHT ONE \$ BLOCK	600 DLINE MENT UCT = 150 HEAVE = 200 SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 25 30 35 40 45 50 55	LOADED BOOM ANGLE 78.5 89.5 84 58 52 45.5	24FT BOOM (LBS) 34,000 22,050 18,250 15,650 13,850 12,350	E BOOM ANGLE 77.5 74.5 71 67.5 64 58.5 47 35	BAS BCOM (LBS) 19,350 15,850 13,600 11,900 10,600 8,700 7,250 5,950	KET LIM DOM L BOOM ANGLE 78.5 78.5 78.5 78.5 78.5 73.5 71 85.5 59 51.5 43.5 33	IT LINE 48FT BOOM (LBS) 14,350 12,150 10,650 9,450 7,750 6,400 5,350 4,550 3,850	RATINC LOADED BOOM ANGLE 79 77 75 71 66 60.5 54.5 48 40.5 32	59FT BOOM (LBS) 10,950 9,550 8,500 7,050 5,700 4,800 4,100 3,550 3,100 2,675	BOOM ANGLE 79.5 78 74.5 70.5 66 61 58.5 51 45.5 39	70 75 70FT BOOM (LBS) 8,800 7,800 6,400 5,200 4,350 3,750 3,250 2,850 2,500 2,200	50 46 LOADED BOOM ANGLE 77 73.5 69.5 65.5 61.5 57.5 53 48 43 37.5	700 600 81FT BOOM (LBS) 6,150 4,950 4,100 3,550 2,650 2,350 2,350 2,050 1,800 1,550	57.5 LOAD EQUIP DED DOWN WEIGHT ONE \$ BLOCK	600 DLINE MENT UCT = 150 HEAVE = 200 SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 25 30 35 40 45 50 55 60 65 60	LOADED BOOM ANGLE 78.5 89.5 84 58 52 45.5	24FT BOOM (LBS) 34,000 22,050 18,250 15,650 13,850 12,350	E BOOM ANGLE 77.5 74.5 71 67.5 64 58.5 47 35	BAS BCOM (LBS) 19,350 15,850 13,600 11,900 10,600 8,700 7,250 5,950	KET LIM DOM L BOOM ANGLE 78.5 78.5 78.5 78.5 78.5 73.5 71 85.5 59 51.5 43.5 33	IT LINE 48FT BOOM (LBS) 14,350 12,150 10,650 9,450 7,750 6,400 5,350 4,550 3,850	RATINC LOADED BOOM ANGLE 79 77 75 71 66 60.5 54.5 48 40.5 32	59FT BOOM (LBS) 10,950 9,550 8,500 7,050 5,700 4,800 4,100 3,550 3,100 2,675	BOOM ANGLE 79.5 78 74.5 70.5 68 61 56.5 51 45.5 39 31.5	70 75 70FT BOOM (LBS) 8,800 7,800 6,400 5,200 4,350 3,750 3,250 2,850 2,500 2,200 1,850	50 46 BOOM ANGLE 77 73.5 69.5 65.5 61.5 57.5 53 48 43 37.5 30.5	700 600 81FT BOOM (LBS) 	57.5 LOAD EQUIP DED DOWN WEIGHT ONE \$ BLOCK	600 DLINE MENT UCT = 150 HEAVE = 200 SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 25 30 35 40 45 55 60 65 60 65 70 75	LOADED BOOM ANGLE 78.5 89.5 84 58 52 45.5	24FT BOOM (LBS) 34,000 22,050 18,250 15,650 13,850 12,350	E BOOM ANGLE 77.5 74.5 71 67.5 64 58.5 47 35	BAS BCOM (LBS) 19,350 15,850 13,600 11,900 10,600 8,700 7,250 5,950	KET LIM DOM L BOOM ANGLE 78.5 78.5 78.5 78.5 78.5 73.5 71 85.5 59 51.5 43.5 33	IT LINE 48FT BOOM (LBS) 14,350 12,150 10,650 9,450 7,750 6,400 5,350 4,550 3,850	RATINC LOADED BOOM ANGLE 79 77 75 71 66 60.5 54.5 48 40.5 32	59FT BOOM (LBS) 10,950 9,550 8,500 7,050 5,700 4,800 4,100 3,550 3,100 2,675	BOOM ANGLE 79.5 78 74.5 70.5 68 61 56.5 51 45.5 39 31.5	70 75 70FT BOOM (LBS) 8,800 7,800 6,400 5,200 4,350 3,750 3,250 2,850 2,500 2,200 1,850	50 46 BOOM ANGLE 77 73.5 69.5 65.5 61.5 57.5 53 48 48 43 37.5 30.5 22	700 600 81FT BOOM (LBS) 6,150 4,950 4,950 4,100 3,550 2,050 2,050 2,050 1,800 1,555 1,300 1,050	57.5 LOAD EQUIP DED DOWN WEIGHT ONE \$ BLOCK	600 DLINE MENT UCT = 150 HEAVE = 200 SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 25 30 35 40 45 50 55 60 65 60	LOADED BOOM ANGLE 78.5 89.5 84 58 52 45.5	24FT BOOM (LBS) 34,000 22,050 18,250 15,650 13,850 12,350	E BOOM ANGLE 77.5 74.5 71 67.5 64 58.5 47 35	BAS BCOM (LBS) 19,350 15,850 13,600 11,900 10,600 8,700 7,250 5,950	KET LIM DOM L BOOM ANGLE 78.5 78.5 78.5 78.5 78.5 73.5 71 85.5 59 51.5 43.5 33	IT LINE 48FT BOOM (LBS) 14,350 12,150 10,650 9,450 7,750 6,400 5,350 4,550 3,850	RATINC LOADED BOOM ANGLE 79 77 75 71 66 60.5 54.5 48 40.5 32	59FT BOOM (LBS) 10,950 9,550 8,500 7,050 5,700 4,800 4,100 3,550 3,100 2,675	BOOM ANGLE 79.5 78 74.5 70.5 68 61 56.5 51 45.5 39 31.5	70 75 70FT BOOM (LBS) 8,800 7,800 6,400 5,200 4,350 3,750 3,250 2,850 2,500 2,200 1,850	50 46 BOOM ANGLE 77 73.5 69.5 65.5 61.5 57.5 53 48 43 37.5 30.5	700 600 81FT BOOM (LBS) 	57.5 LOAD EQUIP DED DOWN WEIGHT ONE \$ BLOCK	600 DLINE MENT UCT = 150 HEAVE = 200 SHEAVE



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The capacities shown will be reduced when accessories are attached to the boom or loadline.

Note: Rated loads do not exceed 85% of the tipping load. Structural strength ratings in the chart below are shaded.

		BOOM LENGTH IN FEET	81 70 59 48 37 24	B6 7	/ 60. 50. 40. 50. 20. 10. -10.	•	40	SE 60	RIES WITH NO J		Heigth In Feet	- BS-1 (FIBERC LIMIT	DR TWO BLASS BASKET LINE
						RAD	US IN	FEET					
1					LOAD			FEET					
LOAD RADIUS (FEET)	LOADED BOOM ANGLE	24FT BOOM (LBS)	LOADED BOOM ANGLE	37FT BOOM (LBS)	LOAD LOADED BOOM ANGLE	RATI		59FT BOOM	LOADED BOOM	70FT BOOM	LOADED BOOM ANGLE	81FT BOOM (LBS)	LOADLINE EQUIPMENT DEDUCT
RADIUS	BOOM	BOOM	BOOM	BOOM	LOADED	RATI	NGS	59FT		70FT	LOADED BOOM ANGLE	81FT BOOM (LBS)	EQUIPMENT
RADIUS (FEET) 4.5 8	BOOM ANGLE 79 69.5	BOOM (LBS) 34,000 22,500	BOOM ANGLE 78	BOOM (LBS) 19,600	LOADED BOOM ANGLE	RATI 48FT BOOM (LBS)	NGS	59FT BOOM	LOADED BOOM	70FT BOOM	BOOM	BOOM	EQUIPMENT DEDUCT
RADIUS (FEET) 4.5 8 10	BOOM ANGLE 79 69.5 64	BOOM (LBS) 34,000 22,500 18,700	BOOM ANGLE 78 74.5	BOOM (LBS) 19,600 16,200	LOADED BOOM ANGLE 78.5	RATI 48FT BOOM (LBS) 14,800	NGS LOADED BOOM ANGLE	59FT BOOM (LBS)	LOADED BOOM	70FT BOOM	BOOM	BOOM	EQUIPMENT DEDUCT DOWNHAUL WEIGHT = 150 ONE SHEAVE
RADIUS (FEET) 4.5 8 10 12	BOOM ANGLE 79 69.5 64 58.5	BOOM (LBS) 34,000 22,500 18,700 16,100	BOOM ANGLE 78 74.5 71	BOOM (LBS) 19,600 16,200 13,900	LOADED BOOM ANGLE 78.5 76	RATI 48FT BOOM (LBS) 14,800 12,400	NGS LOADED BOOM ANGLE 79.5	59FT BOOM (LBS) 11,500	LOADED BOOM ANGLE	70FT BOOM (LBS)	BOOM	BOOM	EQUIPMENT DEDUCT DOWNHAUL WEIGHT = 150 ONE SHEAVE BLOCK = 200
RADIUS (FEET) 4.5 8 10 12 14	BOOM ANGLE 79 69.5 64 58.5 52.5	BOOM (LBS) 34,000 22,500 18,700 16,100 14,300	BOOM ANGLE 78 74.5 71 67.5	BOOM (LBS) 19,600 16,200 13,900 12,200	LOADED BOOM ANGLE 78.5 76 73.5	RATI 48FT BOOM (LBS) 14,800 12,400 10,900	NGS LOADED BOOM ANGLE 79.5 77	59FT BOOM (LBS) 11,500 9,800	LOADED BOOM ANGLE 80	70FT BOOM (LBS) 9,200	BOOM	BOOM	EQUIPMENT DEDUCT DEDUCT WEIGHT = 150 ONE SHEAVE BLOCK = 200 TWO SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16	BOOM ANGLE 79 69.5 64 58.5 52.5 45.5	BOOM (LBS) 34,000 22,500 18,700 16,100 14,300 12,700	BOOM ANGLE 78 74.5 71 67.5 64	BOOM (LBS) 19,600 16,200 13,900 12,200 10,900	LOADED BOOM ANGLE 78.5 76 73.5 71	RATI 48FT BOOM (LBS) 14,800 12,400 10,900 9,700	NGS LOADED BOOM ANGLE 79.5 77 75	59FT BOOM (LBS) 11,500 9,800 8,800	LOADED BOOM ANGLE 80 78	70FT BOOM (LBS) 9,200 8,000	BOOM ANGLE	BOOM (LBS)	EQUIPMENT DEDUCT DOWNHAUL WEIGHT = 150 ONE SHEAVE BLOCK = 200
RADIUS (FEET) 4.5 8 10 12 14	BOOM ANGLE 79 69.5 64 58.5 52.5	BOOM (LBS) 34,000 22,500 18,700 16,100 14,300	BOOM ANGLE 78 74.5 71 67.5 64 57	BOOM (LBS) 19,600 16,200 13,900 12,200 10,900 9,000	LOADED BOOM ANGLE 78.5 76 73.5 71 66	RATI 48FT BOOM (LBS) 14,800 12,400 10,900 9,700 8,000	NGS LOADED BOOM ANGLE 79.5 77 75 71.5	59FT BOOM (LBS) 11,500 9,800 8,800 7,300	LOADED BOOM ANGLE 80 78 75	70FT BOOM (LBS) 8,200 8,000 6,800	BOOM ANGLE	BOOM (LBS)	EQUIPMENT DEDUCT DEDUCT WEIGHT = 150 ONE SHEAVE BLOCK = 200 TWO SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 18 20	BOOM ANGLE 79 69.5 64 58.5 52.5 45.5	BOOM (LBS) 34,000 22,500 18,700 16,100 14,300 12,700	BOOM ANGLE 78 74.5 71 67.5 64	BOOM (LBS) 19,600 16,200 13,900 12,200 10,900	LOADED BOOM ANGLE 78.5 76 73.5 71	RATI 48FT BOOM (LBS) 14,800 12,400 10,900 8,700 8,000 6,600	NGS LOADED BOOM ANGLE 79.5 77 75	59FT BOOM (LBS) 11,500 9,800 8,800 7,300 6,000	LOADED BOOM ANGLE 80 78 75 70.5	70FT BOOM (LBS) 9,200 8,000 6,800 5,400	BOOM ANGLE	BOOM (LBS) 6,500 5,200	EQUIPMENT DEDUCT DEDUCT WEIGHT = 150 ONE SHEAVE BLOCK = 200 TWO SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 14 16 20 25	BOOM ANGLE 79 69.5 64 58.5 52.5 45.5	BOOM (LBS) 34,000 22,500 18,700 16,100 14,300 12,700	BOOM ANGLE 78 74.5 71 67.5 64 57 47.5	BOOM (LBS) 19,600 16,200 13,900 12,200 10,900 9,000 7,500	LOADED BOOM ANGLE 78.5 76 73.5 71 66 59.5	RATI 48FT BOOM (LBS) 14,800 12,400 10,900 9,700 8,000	NGS LOADED BOOM ANGLE 79.5 77 75 71.5 66.5	59FT BOOM (LBS) 11,500 9,800 8,800 7,300	LOADED BOOM ANGLE 80 78 75	70FT BOOM (LBS) 8,200 8,000 6,800	BOOM ANGLE	BOOM (LBS) 6,500 5,200 4,400	EQUIPMENT DEDUCT DEDUCT WEIGHT = 150 ONE SHEAVE BLOCK = 200 TWO SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30	BOOM ANGLE 79 69.5 64 58.5 52.5 45.5	BOOM (LBS) 34,000 22,500 18,700 16,100 14,300 12,700	BOOM ANGLE 78 74.5 71 67.5 64 57 47.5 35.5	BOOM (LBS) 19,600 16,200 13,900 12,200 10,900 9,000 7,500 8,200	LOADED BOOM ANGLE 78.5 76 73.5 71 66 59.5 52	RATI 48FT BOOM (LBS) 14,800 12,400 10,900 9,700 8,000 6,600 5,500	NGS LOADED BOOM ANGLE 79.5 77 75 71.5 66.5 60	59FT BOOM (LBS) 11,500 9,800 9,800 8,800 7,300 6,000 5,000	LOADED BOOM ANGLE 80 78 75 70.5 66.5	70FT BOOM (LBS) 9,200 8,000 6,800 5,400 4,500	BOOM ANGLE 77 73.5 70	BOOM (LBS) 6,500 5,200	EQUIPMENT DEDUCT DEDUCT WEIGHT = 150 ONE SHEAVE BLOCK = 200 TWO SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 35	BOOM ANGLE 79 69.5 64 58.5 52.5 45.5	BOOM (LBS) 34,000 22,500 18,700 16,100 14,300 12,700	BOOM ANGLE 78 74.5 71 67.5 64 57 47.5 35.5	BOOM (LBS) 19,600 16,200 13,900 12,200 10,900 9,000 7,500 8,200	LOADED BOOM ANGLE 78.5 76 73.5 71 66 59.5 52 43.5	RATI 48FT BOOM (LBS) 14,800 12,400 10,900 9,700 8,000 6,600 5,500 4,700	NGS LOADED BOOM ANGLE 79.5 77 75 71.5 66.5 60 55	59FT BOOM (LBS) 11,500 9,800 8,800 7,300 8,000 5,000 4,300	LOADED BOOM ANGLE 80 78 75 70.5 66.5 61.5	70FT BOOM (LBS) 9,200 8,000 6,800 5,400 4,500 3,900	BOOM ANGLE 77 73.5 70 66	BOOM (LBS) 6,500 5,200 4,400 3,700	EQUIPMENT DEDUCT DEDUCT WEIGHT = 150 ONE SHEAVE BLOCK = 200 TWO SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 35 40	BOOM ANGLE 79 69.5 64 58.5 52.5 45.5	BOOM (LBS) 34,000 22,500 18,700 16,100 14,300 12,700	BOOM ANGLE 78 74.5 71 67.5 64 57 47.5 35.5	BOOM (LBS) 19,600 16,200 13,900 12,200 10,900 9,000 7,500 8,200	LOADED BOOM ANGLE 78.5 76 73.5 71 66 59.5 52 43.5 33.5	RATI 48FT BOOM (LBS) 14,800 12,400 10,900 9,700 8,000 6,600 5,500 4,700 4,000	NGS LOADED BOOM ANGLE 79.5 77 75 71.5 66.5 60 55 48.5	59FT BOOM (LBS) 11,500 9,800 8,800 7,300 8,800 7,300 8,000 5,000 4,300 3,700	LOADED BOOM ANGLE 80 78 75 70.5 66.5 61.5 56.5	70FT BOOM (LBS) 9,200 8,000 6,800 5,400 4,500 3,900 3,400	BOOM ANGLE	BOOM (LBS) 6,500 5,200 4,400 3,700 3,200	EQUIPMENT DEDUCT DEDUCT WEIGHT = 150 ONE SHEAVE BLOCK = 200 TWO SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 35 40 45 50 55	BOOM ANGLE 79 69.5 64 58.5 52.5 45.5	BOOM (LBS) 34,000 22,500 18,700 16,100 14,300 12,700	BOOM ANGLE 78 74.5 71 67.5 64 57 47.5 35.5	BOOM (LBS) 19,600 16,200 13,900 12,200 10,900 9,000 7,500 8,200	LOADED BOOM ANGLE 78.5 76 73.5 71 66 59.5 52 43.5 33.5	RATI 48FT BOOM (LBS) 14,800 12,400 10,900 9,700 8,000 6,600 5,500 4,700 4,000	NGS LOADED BOOM ANGLE 79.5 77 75 71.5 66.5 60 55 48.5 41	59FT BOOM (LBS) 11,500 9,800 8,800 7,300 8,000 5,000 4,300 3,700 3,200	LOADED BOOM ANGLE 80 78 75 70.5 66.5 61.5 56.5 51.5	70FT BOOM (LBS) 9,200 8,000 6,800 5,400 4,500 3,900 3,400 2,900	BOOM ANGLE 77 73.5 70 66 62 58	BOOM (LBS) 8,500 5,200 4,400 3,700 3,200 2,800	EQUIPMENT DEDUCT DEDUCT WEIGHT = 150 ONE SHEAVE BLOCK = 200 TWO SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 35 40 45 50 55 60	BOOM ANGLE 79 69.5 64 58.5 52.5 45.5	BOOM (LBS) 34,000 22,500 18,700 16,100 14,300 12,700	BOOM ANGLE 78 74.5 71 67.5 64 57 47.5 35.5	BOOM (LBS) 19,600 16,200 13,900 12,200 10,900 9,000 7,500 8,200	LOADED BOOM ANGLE 78.5 76 73.5 71 66 59.5 52 43.5 33.5	RATI 48FT BOOM (LBS) 14,800 12,400 10,900 9,700 8,000 6,600 5,500 4,700 4,000	NGS LOADED BOOM ANGLE 79.5 77 75 71.5 66.5 60 55 48.5 41 32.5	59FT BOOM (LBS) 11,500 9,800 8,800 7,300 8,800 7,300 8,000 5,000 4,300 3,700 3,200 2,750	LOADED BOOM ANGLE 80 78 75 70.5 66.5 61.5 56.5 51.5 45.5 39.5 32	70FT BOOM (LBS) 8,200 8,000 6,800 5,400 4,500 3,900 3,400 2,900 2,600	BOOM ANGLE 77 73.5 70 66 62 58 53.5	800M (LBS) 8,500 5,200 4,400 3,700 3,200 2,800 2,450	EQUIPMENT DEDUCT DEDUCT WEIGHT = 150 ONE SHEAVE BLOCK = 200 TWO SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 35 40 45 50 55 60 65	BOOM ANGLE 79 69.5 64 58.5 52.5 45.5	BOOM (LBS) 34,000 22,500 18,700 16,100 14,300 12,700	BOOM ANGLE 78 74.5 71 67.5 64 57 47.5 35.5	BOOM (LBS) 19,600 16,200 13,900 12,200 10,900 9,000 7,500 8,200	LOADED BOOM ANGLE 78.5 76 73.5 71 66 59.5 52 43.5 33.5	RATI 48FT BOOM (LBS) 14,800 12,400 10,900 9,700 8,000 6,600 5,500 4,700 4,000	NGS LOADED BOOM ANGLE 79.5 77 75 71.5 66.5 60 55 48.5 41 32.5	59FT BOOM (LBS) 11,500 9,800 8,800 7,300 8,800 7,300 8,000 5,000 4,300 3,700 3,200 2,750	LOADED BOOM ANGLE 80 78 75 70.5 66.5 61.5 56.5 51.5 45.5 39.5	70FT BOOM (LBS) 9,200 8,000 6,800 5,400 4,500 3,900 3,400 2,900 2,600 2,200	BOOM ANGLE 77 73.5 70 66 62 58 53.5 48.5	800M (LBS) 8,500 5,200 4,400 3,700 3,200 2,800 2,450 2,100	EQUIPMENT DEDUCT DEDUCT WEIGHT = 150 ONE SHEAVE BLOCK = 200 TWO SHEAVE
AADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 35 40 45 50 55 60 65 70	BOOM ANGLE 79 69.5 64 58.5 52.5 45.5	BOOM (LBS) 34,000 22,500 18,700 16,100 14,300 12,700	BOOM ANGLE 78 74.5 71 67.5 64 57 47.5 35.5	BOOM (LBS) 19,600 16,200 13,900 12,200 10,900 9,000 7,500 8,200	LOADED BOOM ANGLE 78.5 76 73.5 71 66 59.5 52 43.5 33.5	RATI 48FT BOOM (LBS) 14,800 12,400 10,900 9,700 8,000 6,600 5,500 4,700 4,000	NGS LOADED BOOM ANGLE 79.5 77 75 71.5 66.5 60 55 48.5 41 32.5	59FT BOOM (LBS) 11,500 9,800 8,800 7,300 8,800 7,300 8,000 5,000 4,300 3,700 3,200 2,750	LOADED BOOM ANGLE 80 78 75 70.5 66.5 61.5 56.5 51.5 45.5 39.5 32	70FT BOOM (LBS) 9,200 8,000 6,800 5,400 4,500 3,900 3,400 2,900 2,200 1,850	BOOM ANGLE 77 73.5 70 66 62 58 53.5 48.5 48.5 43.5 37.5 31	8,500 5,200 4,400 3,700 3,200 2,800 2,450 2,100 1,800 1,550 1,300	EQUIPMENT DEDUCT DEDUCT WEIGHT = 150 ONE SHEAVE BLOCK = 200 TWO SHEAVE
RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 35 40 45 50 55 60 65	BOOM ANGLE 79 69.5 64 58.5 52.5 45.5	BOOM (LBS) 34,000 22,500 18,700 16,100 14,300 12,700	BOOM ANGLE 78 74.5 71 67.5 64 57 47.5 35.5	BOOM (LBS) 19,600 16,200 13,900 12,200 10,900 9,000 7,500 8,200	LOADED BOOM ANGLE 78.5 76 73.5 71 66 59.5 52 43.5 33.5	RATI 48FT BOOM (LBS) 14,800 12,400 10,900 9,700 8,000 6,600 5,500 4,700 4,000	NGS LOADED BOOM ANGLE 79.5 77 75 71.5 66.5 60 55 48.5 41 32.5	59FT BOOM (LBS) 11,500 9,800 8,800 7,300 8,800 7,300 8,000 5,000 4,300 3,700 3,200 2,750	LOADED BOOM ANGLE 80 78 75 70.5 66.5 61.5 56.5 51.5 45.5 39.5 32	70FT BOOM (LBS) 9,200 8,000 6,800 5,400 4,500 3,900 3,400 2,900 2,200 1,850	BOOM ANGLE 77 73.5 70 66 62 58 53.5 48.5 43.5 37.5	BOOM (LBS) 8,500 5,200 4,400 3,700 3,200 2,800 2,450 2,100 1,800 1,550	EQUIPMENT DEDUCT DEDUCT WEIGHT = 150 ONE SHEAVE BLOCK = 200 TWO SHEAVE



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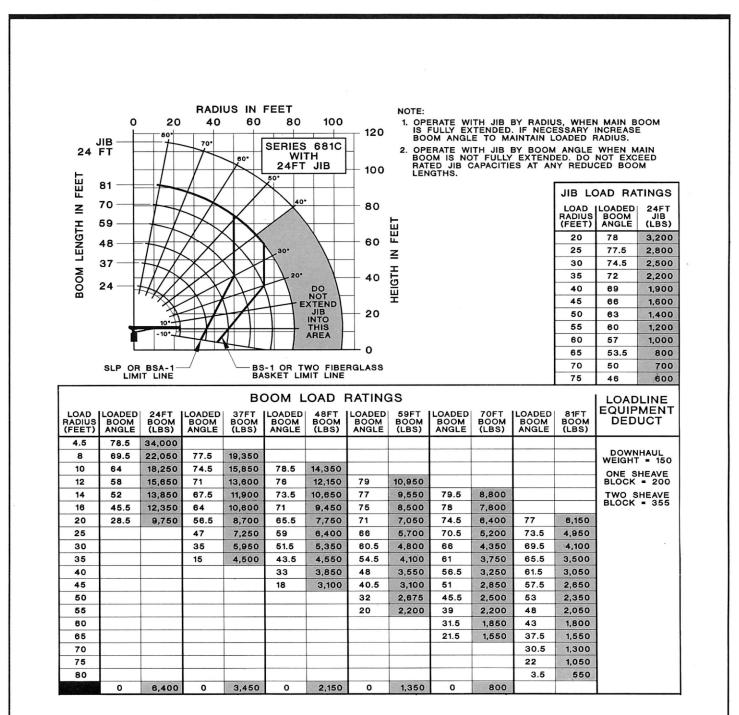
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♀ Lázaro Cárdenas No. 2951 Col. Álamo industrial, Tlaquepaque Jal. C.P. 45593

National Series 600C Load Rating Charts (continued)





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The capacities shown will be reduced when accessories are attached to the boom or loadline. Note: Rated loads do not exceed 85% of the tipping load. Structural strength ratings in the chart below are shaded.

2ND JIB 43FT 1ST JIB		80*	70.	80*	RIES 67 WITH 3FT JIB		0 IS F BOC 2. OPE BOC RATI	M ANGLE RATE WIT	ENDED. IF TO MAINI H JIB BY FULLY EX	NECESSA TAIN LOAD BOOM AN (TENDED.	WHEN MAIN RY INCRE ED RADIUS GLE WHEN DO NOT E EDUCED B	ASE 3. I MAIN EXCEED
24FT			A				0		JIB LO	DAD RAT	INGS	
	1++	\square	$\langle \rangle$	K,	40.	80	FEET	LOAD RADIUS (FEET)	LOADED BOOM ANGLE	24FT JIB (LBS)	LOADED BOOM ANGLE	43FT JIB (LBS)
60		\downarrow \uparrow		-X			Ë	20	79	4,600		
Z		\bigwedge	X		× 33.		z	25	76	4,300	78.5	2,900
H 49	· + #	A/	\mathbf{X}			60		30	73	3,800	76.5	2,650
49 38 38	+1/		\rightarrow	30.	DO	H	ІСТН	35	69.5	3,100	74	2,400
Щ С	$ \uparrow$	Λ		T	NOT		ш	40	66.5	2,850	71.5	2,200
	-+++			20.	EXTEND JIB	+ 40	, -	45	63	2,250	69	2,000
NOOB	17X	$\times \times$	TXX	T	INTO THIS			50	59.5	1,950	66	1,800
BO		AH	T	10.	AREA			55	56	1,700	63	1,600
		T	HT			- 20		60	52	1,450	60	1,400
		0.	X X -			R TWO		65	48	1,250	57	1,250
	- I				FIBERG	LASS BAS	KET	70	43.5	1,050	54	1,100
					LIMIT L	INE		75	00			
				41	LIMIT L			75	39	850	51	950
	⊥- 0	20	40	60 8		0		80	39 33.5	850 650	47	800
:		SA-1-		60 8 IN FEE	BO 10	0		80 85			47 43.5	800 700
\$	SLP OR BS	SA-1-		IN FEE	BO 10 T	00		80			47 43.5 39.5	800 700 600
LOAD RADIUS (FEET)	LOADED ANGLE	SA-1-		IN FEE	BO 10	00		80 85			47 43.5	800 700 600 LINE MENT
LOAD RADIUS (FEET) 4.5	LOADED BOOM ANGLE 79.5	27FT BOOM (LBS) 34,000	RADIUS LOADED BOOM ANGLE	IN FEE BOOM 38FT BOOM	BO 10 T LOAD	RATING		80 85 90 60FT BOOM	33.5 LOADED BOOM	650 71FT BOOM	47 43.5 39.5 LOAD EQUIP DED	800 700 600 LINE MENT UCT
LOAD RADIUS (FEET) 4.5 8	LIMIT L LIMIT L BOOM ANGLE 79.5 71.5	27FT BOOM (LBS) 34,000 20,750	RADIUS LOADED BOOM ANGLE 77.5	IN FEE BOOM 38FT BOOM (LBS) 19,000	BO 10 T LOAD BOOM ANGLE	RATING 49FT BOOM (LBS)		80 85 90 60FT BOOM	33.5 LOADED BOOM	650 71FT BOOM	47 43.5 39.5 LOAD EQUIP DED	800 700 600 LINE MENT UCT
LOAD RADIUS (FEET) 4.5 8 10	LOADED BOOM ANGLE 79.5 71.5 87	27FT BOOM (LBS) 34,000 20,750 17,250	RADIUS LOADED BOOM ANGLE 777.5 74.5	IN FEE BOOM 38FT BOOM (LBS) 19,000 15,600	BO 10 T LOAD BOOM ANGLE 78.5	000 RATING 49FT BOOM (LBS) 14,350	S LOADED BOOM ANGLE	80 85 90 60FT BOOM	33.5 LOADED BOOM	650 71FT BOOM	47 43.5 39.5 LOAD EQUIP DED	800 700 600 LINE MENT UCT
LOAD RADIUS (FEET) 4.5 8 10 12	LOADED BOOM ANGLE 79.5 71.5 67 62	27FT BOOM (LBS) 34,000 20,750 17,250 14,950	RADIUS BOOM ANGLE 77.5 74.5 71	IN FEE BOOM 38FT BOOM (LBS) 19,000 15,600 13,400	LOAD BOOM LOADED BOOM ANGLE 78.5 76	000 RATING 49FT BOOM (LBS) 14,350 12,150	S LOADED BOOM ANGLE 79	80 85 90 80FT BOOM (LBS) 11,250	33.5 LOADED BOOM ANGLE	850 71FT BOOM (LBS)	47 43.5 39.5 EQUIP DED DOWN WEIGHT	800 700 600 LINE MENT UCT HAUL - 150 HEAVE
LOAD RADIUS (FEET) 4.5 8 10 12 14	LOADED BOOM ANGLE 79.5 71.5 67 62 -57	27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050	RADIUS BOOM ANGLE 77.5 74.5 71 68	IN FEE BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 11,700	B0 10 T LOADD BOOM ANGLE 78.5 78 78 73.5	000 RATING 49FT BOOM (LBS) 14,350 12,150 10,600	S LOADED BOOM ANGLE 79 77	80 85 90 60FT BOOM (LBS) 11,250 9,800	33.5 LOADED BOOM ANGLE 79.5	850 71FT BOOM (LBS) 9,450	47 43.5 39.5 EQUIP DED DOWN WEIGHT ONE SI BLOCK TWO S	800 700 800 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
LOAD RADIUS (FEET) 4.5 8 10 12 14 16	LOADED BOOM ANGLE 79.5 71.5 67 62 -57 51.5	27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650	RADIUS LOADED BOOM ANGLE 77.5 74.5 71 68 64.5	IN FEE BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 11,700 10,400	B0 10 T LOADD B00M ANGLE 78.5 78 78 73.5 71	000 RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400	S LOADED BOOM ANGLE 79 77 75	80 85 90 80FT BOOM (LBS) 11,250 9,800 8,700	33.5 LOADED BOOM ANGLE 79.5 77.5	850 71FT BOOM (LBS) 9,450 8,250	47 43.5 39.5 LOAD EQUIP DED DED DED DOWN WEIGHT ONE S BLOCK	800 700 800 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
LOAD RADIUS (FEET) 4.5 8 10 12 14 16 20	LOADED BOOM ANGLE 79.5 71.5 87 62 -57 51.5 39	27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650 9,450	RADIUS LOADED BOOM ANGLE 77.5 74.5 71 68 64.5 57.5	IN FEE BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 11,700 10,400 8,500	B0 10 T LOADED B00M ANGLE 78.5 76 73.5 71 86	000 RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700	S LOADED BOOM ANGLE 79 77 77 75 71.5	80 85 90 60FT BOOM (LBS) 11,250 9,800 8,700 7,150	33.5 LOADED BOOM ANGLE 79.5 77.5 74.5	850 71FT BOOM (LBS) 9,450 8,250 6,750	47 43.5 39.5 EQUIP DED DOWN WEIGHT ONE SI BLOCK TWO S	800 700 800 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
LOAD RADIUS (FEET) 4.5 8 10 12 14 16 20 25	LOADED BOOM ANGLE 79.5 71.5 67 62 -57 51.5	27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650	RADIUS LOADED BOOM ANGLE 77.5 74.5 71 68 64.5 57.5 48.5	IN FEE BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 11,700 10,400 8,500 7,050	B0 10 T LOADED B00M ANGLE 78.5 78 78.5 78 73.5 71 66 59.5	000 RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700 6,350	S LOADED BOOM ANGLE 79 77 75 71.5 66	80 85 90 60FT BOOM (LBS) 11,250 9,800 8,700 7,150 5,750	33.5 LOADED BOOM ANGLE 79.5 77.5 74.5 70	850 71FT BOOM (LBS) 9,450 8,250 6,750 5,400	47 43.5 39.5 EQUIP DED DOWN WEIGHT ONE SI BLOCK TWO S	800 700 800 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
LOAD RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30	LOADED BOOM ANGLE 79.5 71.5 87 62 -57 51.5 39	27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650 9,450	RADIUS LOADED BOOM ANGLE 77.5 74.5 71 68 64.5 57.5 48.5 37	IN FEE BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 11,700 10,400 8,500 7,050 5,800	B0 10 T LOADED B00M ANGLE 78.5 78 78.5 78 73.5 71 68 59.5 52.5	000 RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700 6,350 5,300	S LOADED BOOM ANGLE 79 77 75 71.5 66 60.5	80 85 90 80FT BOOM (LBS) 11,250 9,800 8,700 7,150 5,750 4,800	33.5 LOADED BOOM ANGLE 79.5 77.5 74.5 70 66	850 71FT BOOM (LBS) 9,450 8,250 6,750 5,400 4,500	47 43.5 39.5 EQUIP DED DOWN WEIGHT ONE SI BLOCK TWO S	800 700 800 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
LOAD RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 35	LOADED BOOM ANGLE 79.5 71.5 87 62 -57 51.5 39	27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650 9,450	RADIUS LOADED BOOM ANGLE 77.5 74.5 71 68 64.5 57.5 48.5	IN FEE BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 11,700 10,400 8,500 7,050	B0 10 T LOADED B00M ANGLE 78.5 76 73.5 76 73.5 71 66 59.5 52.5 44.5	000 RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700 6,350 5,300 4,500	AS LOADED BOOM ANGLE 79 77 75 71.5 88 80.5 55	80 85 90 60FT BOOM (LBS) 11,250 9,800 8,700 7,150 5,750 4,800 4,100	33.5 LOADED BOOM ANGLE 79.5 77.5 74.5 70 66 61.5	850 71FT BOOM (LBS) 9,450 8,250 6,750 5,400 4,500 3,900	47 43.5 39.5 EQUIP DED DOWN WEIGHT ONE SI BLOCK TWO S	800 700 800 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
LOAD RADIUS (FEET) 4.5 8 10 12 14 16 20 25 30 35 40	LOADED BOOM ANGLE 79.5 71.5 87 62 -57 51.5 39	27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650 9,450	RADIUS LOADED BOOM ANGLE 77.5 74.5 71 68 64.5 57.5 48.5 37	IN FEE BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 11,700 10,400 8,500 7,050 5,800	B0 10 T LOADED B00M ANGLE 78.5 78 73.5 78 73.5 71 86 59.5 52.5 44.5 35	A49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700 6,350 5,300 4,500 3,850	ANGLE BOOM ANGLE 79 77 75 71.5 66 80.5 55 48.5	80 85 90 80FT BOOM (LBS) 11,250 9,800 8,700 7,150 5,750 4,800 4,100 3,550	33.5 LOADED BOOM ANGLE 79.5 77.5 74.5 70 88 81.5 56.5	850 71FT BOOM (LBS) 9,450 8,250 8,250 8,250 6,750 5,400 4,500 3,900 3,300	47 43.5 39.5 EQUIP DED DOWN WEIGHT ONE SI BLOCK TWO S	800 700 800 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
LOAD RADIUS (FEET) 4.5 8 10 12 14 14 16 20 25 30 35 40 45	LOADED BOOM ANGLE 79.5 71.5 87 62 -57 51.5 39	27FT BOOM (LBS) 34,000 20,750 17,250 14,950 13,050 11,650 9,450	RADIUS LOADED BOOM ANGLE 77.5 74.5 71 68 64.5 57.5 48.5 37	IN FEE BOOM 38FT BOOM (LBS) 19,000 15,600 13,400 11,700 10,400 8,500 7,050 5,800	B0 10 T LOADED B00M ANGLE 78.5 76 73.5 76 73.5 71 66 59.5 52.5 44.5	000 RATING 49FT BOOM (LBS) 14,350 12,150 10,600 9,400 7,700 6,350 5,300 4,500	ANGLE BOOM ANGLE 79 77 75 71.5 66 60.5 55 48.5 41.5	80 85 90 80FT BOOM (LBS) 11,250 9,800 8,700 7,150 5,750 4,800 4,100 3,550 3,100	33.5 LOADED BOOM ANGLE 79.5 77.5 74.5 70 86 81.5 56.5 51.5	850 71FT BOOM (LBS) 9,450 8,250 6,750 5,400 4,500 3,900 3,300 2,900	47 43.5 39.5 EQUIP DED DOWN WEIGHT ONE SI BLOCK TWO S	800 700 800 LINE MENT UCT HAUL = 150 HEAVE = 200 HEAVE
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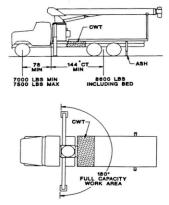
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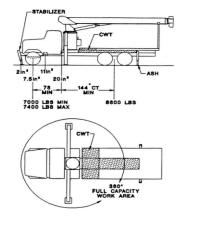
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National Series 600C Truck Specifications

Mounting Configurations	Configuration 1 with Torsion Box	Configuration 2 with Torsion Box
The versatility of the Series 600C can be enhanced by the mounting configurations described at the right. The configurations are based on the Series 600C with an 85% stability factor. The complete unit must be installed in accor- dance with factory requirements and a test performed to determine actual stability and counterweight requirements since individual truck chassis vary.	This configuration is the least expen- sive method for the Series 600C. This mount, with the crane mounted be- hind the cab, requires the least weight of all mounts for stability, thus, you can haul larger payloads on your truck. It requires standard subbase and rear (ASH) stabilizers.	This mount requires front SFO stabi- lizer to give the machine full capacity 360° around the truck. Care must be taken in the selection of the truck. It must meet the minimum require- ments below. The front stabilizer gives the machine a solid base, help- ing the operator control the loads precisely. Requires front SFO and rear ASH stabilizers and a subbase. The truck frame must be made from 110,000 PSI steel. See "Truck Frame and Mounting Bolt Requirements for Front Stabilizer" statement on page 13. Contact the factory for details.
Stable	180°	360°
Gross Axle Weight Rating (GAWR), front	12,000 lbs.	12,000 lbs.
Gross Axle Weight Rating (GAWR), rear	34,000 lbs.	34,000 lbs.
Wheelbase (WB)	681C: 222"; 671C: 234"	681C: 222"; 671C: 234"
Cab to Axle/trunnion (CA/CT)	681C: 144"; 671C: 156"	681C: 144"; 671C: 156"
Frame Section Modulus (SM) under crane: 50,000 PSI, or	35.0 inch ³	Not applicable (see note above)
110,000 PSI		20.0 inch ³
Frame Section Modulus (SM) over rear stabilizers: 50,000 PSI or	17.0 inch ³	Not applicable (see note above)
	13.0 inch ³	13.0 inch ³
Stability Weight, Front	7,000 lbs. minimum; 7,500 lbs. maximum*	7,000 lbs. minimum; 7,400 lbs.maximum*
Stability Weight, Rear	8,600 lbs. minimum*	8,600 lbs. minimum*
Estimated Average Final Weight (671C)	31,000 lbs.	31,300 lbs.
Notes: (1) GAWR means Gross Axle Weight Rating and is dependent on all		

- GAWR means Gross Axle Weight Rating and is dependent on all components of the vehicle such as axles, tires, springs, frame, etc. meeting manufacturer's recommendations. Always specify GAWR when purchasing trucks.
- Minimum axle requirements may increase with use of longer wheelbase, service bodies, diesel engines, or front stabilizers.
- (3) Diesel engines require variable speed governor and energize-torun fuel solenoid for smooth crane operation.





*Estimated axle scale rates prior to installation of crane, stabilizers, and subbase for 85% stability.



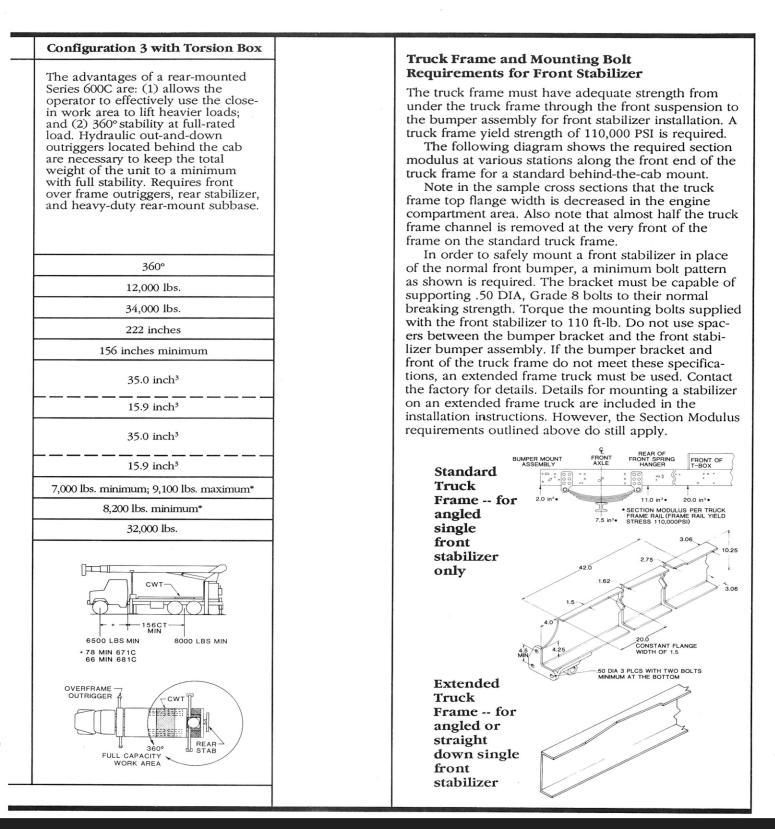
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Personnel Platform

This extra strength 3x6foot steel platform will crarry up to 1,000 pounds and operate at working heights up to 90 feet. It is hydraulically self-leveling and protected by safety valves. Safety harness included. Fold down sides standard.

Optional manual rotator available for precise placement of platform. Easy-to-operate crank rotates the platform through a dependable chain drive. Continuous rotation. Locks in position.

The personnel platform must not be operated on load rated areas where the load chart shows capacities less than 2,000 pounds on Model SLP and 2,200 pounds on Model SLPR. Can be used with angling jib for additional reach.

Model SLP Model SLPR



Three Pump System

This optional pump system provides three separate (or individual) hydraulic circuits for independent operation of winch, swing, and crane functions. The option increases productivity on high cycle jobs and facilitates the ease of operation.

Stabilizers/Outriggers

We offer a complete range of front and rear stabilizers with hydraulic vertical and horizontal motion. All cylinders are fully enclosed for protection against dirt and on-the-job damage.

Stabilizers

Vertical travel
Ground penetration
(38" frame height)
Operation
Span
Controls
Controls

Cross-frame Outriggers

Extended span15'6"
Retracted span7'11"
Vertical travel
Over-frame25"
Under-frame18"
Ground penetration
(38" frame height)10"
Mounting space
Outrigger only24"

Model 6HO

*The SFOA is a single front-mounted hydraulic stabilizer. It is designed to lift the vehicle and will provide stability for the vehicle after it has been leveled.

Hydraulic Oil Cooler

Automatic hydraulic device designed to cool the hydraulic oil under high-cycle operation.

Model HOC







Rear Mounted
(Model ASH)Rear Mo
(Model 1)

Rear Mounted (Model RSOD)

Front Mounted* (Model SFOA Fixed)

20"	25.5"	25"
8" All-hydraulic 10'	10" All-hydraulic 14'	13" All-hydraulic Single
Stabilizers shown	above can be oper control station	

Pallet Fork

	20"	center
Throat openin	g41"	to 65"
(adjustable)	0	
Tooth length		38"
Tooth width		
Outside to	min.	max.
outside		
Weight	3	50 lbs.

Model MKF

(Manual leveling, adjustable throat)



Loose Material Clam Bucket

Increase the flexibility of your Series 600C with a National clam bucket. Use this versatile accessory to load or move up to 2/3 cubic yard of loose material with each bite. Hooks easily to loadline, comes with hydraulic hose on automatic reel and quick-connect fittings. Extension hoses are required for use with jibs. Just position the load where you want it and open the bucket.

Model LMC





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National Series 600C Specifications

General Construction:

Low-alloy, high tensile, and other steel including T-1, Ex-Ten, Stressproof and Hi-Yield are combined with special low hydrogen welding techniques wherever advantageous. Standard color: painted National Ivory.

Frame:

Box construction for maximum strength and rigidity.

Turret:

Fabricated rigid structure, well-braced for stability. Line-bored and machined after welding to ensure proper alignment.

Rotation:

375°, rotational force 239,532 in-lb. Turret rotation is by hydraulic orbit motor and planetary gearbox driving a pinion. The turret rotates on a ball-bearing race. Spring applied hydraulic release brake provides positive, no-drift lateral positioning.

Subbase:

Unitized box construction designed to increase torsional stiffness and reduce truck frame requirements. Standard subbase is designed to fit on standard 34" wide truck frame and will accommodate a 20' stringerless bed. Attaches both to truck frame and crane frame. Total depth of subbase is 8.0".

Outriggers

"A" frame box-type 19'4" span (center of pad at ground level) moves outand-down, will not bind when raising or lowering truck. Can be positioned to 10.5" below ground level on 38" truck frame height.

Tilt:

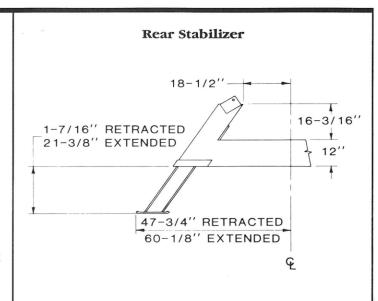
Double-acting hydraulic cylinder raises and lowers boom; butt-mounted safety holding valve prevents boom falling in event of hose failure. Heavy-duty, long-life pivot bearings.

Boom:

Boxed construction; telescopes proportionally under rated load on nylon plates impregnated with molybdenum disulfide for smooth, long-life operation. Boom cylinder and valves are easily serviced. Heavy-duty, long-life pivot bearings. "Easy Glide" wear pads reduce noisy boom "chatter" and vibration, enhance smooth and quiet operation, are easy to replace, and reduce wear and maintenance.

Winch:

Hydraulic geroller motor with planetary gear reduction brake and counterbalance valve for "power down" load lowering. 10,000 pounds bare drum single-line pull available with 280 feet of 9/16 inch, 19.25 ton breaking strength loadline. Optional "Burstof-Speed" control increases payout and pickup of unloaded cable 60% over normal operating speed.



Pumps:

Tandem Vickers, highpressure, high-speed balanced vane, replaceable cartridge-type, providing 23 gpm to crane functions and 34 gpm to winch.

Cylinders:

Shaft packing: Polyurethane cup-type. Shafts: Hi-Yield stress relieved, chrome-plated. Piston sets: Polyurethane U-cups with glass reinforced nylon bearings. Cylinder barrels: Micro-honed tubing and safety check valves.

alves:

Four-way, spring-centered, spool-type with low spool force and extra-fine metering notches. Independent relief valves protect hydraulic circuit against overload. Relief valves are set at 2,850 psi (3,050 psi on winch system). Valves located for improved accessibility and ease of service.

Hose:

All high-pressure hose is wirebraid reinforced, having a minimum safety factor of 4 to 1.

Operating Speeds:

Winch 3rd wrap: 150 fpm. Boom up and down: 23-27 seconds. Boom out: 47 fpm. Boom in: 49 fpm. Turn: 42 seconds. When using remote control, crane function speeds will be reduced by 40% to assure smooth operation. (Speeds above assume no load with 23 gpm oil flow on boom and 34 gpm on winch).

Oil Tank Capacities:

75-gallon supply tank with breather, clean-out, suction strainers and removable magnetic plug.



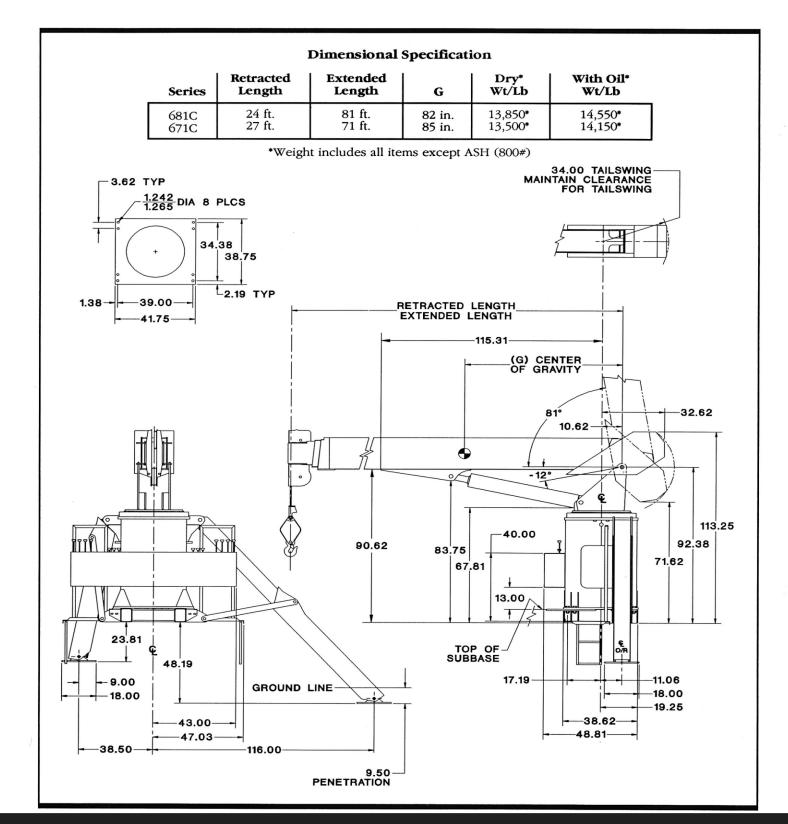
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National Series 600C Telescoping Crane





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