

NATIONAL CRANE
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KIDDE

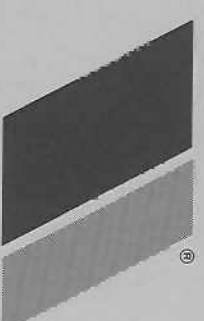
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NATIONAL SERIES 500B TELESCOPING CRANES

Load Ratings for Available Boom and Jib Options



Boom and Jib Combinations

Telescoping Booms

- Model 538B: 15 2/3- to 38-foot three section
- Model 547B: 18 2/3- to 47-foot three section
- Model 556B: 21 2/3- to 56-foot three section

Jib Options (side stowing)

- Model 5FJ15: 15-foot straight (for Model 538B)
- Model 5FJ18: 18-foot straight (for Model 547B)
- Model 5FJ21: 21-foot straight (for Model 556B)
- Model 5FJ23M: 15- to 23-foot manual pullout (for Model 538B)
- Model 5FJ29M: 18- to 29-foot manual pullout (for Model 547B)
- Model 5FJ35M: 21- to 35-foot manual pullout (for Model 556B)

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

NATIONAL SERIES 500B WINCH DATA		CAUTION:			
		Do not deadhead linehook against boom tip when extending boom			
		Keep at least three wraps of load line on drum at all times.			
		Use only the specified cable on this machine.			
Winch	Cable Supplied	Average Breaking Strength	Lift and Speed	Lift and Speed	Lift and Speed
Standard Planetary Winch	Standard 9/16" diameter rotation resistant	35,000 lbs.	7,000 lbs. 150 fpm	14,000 lbs. 75 fpm	21,000 lbs. 50 fpm
	Optional 9/16" diameter 6 x 25 IWRC	29,750 lbs.	8,400 lbs. 150 fpm	16,800 lbs. 75 fpm	25,000 lbs. 50 fpm
With Optional Burst-of-Speed Feature*	Same as corresponding cable data shown above		3,000 lbs. 240 fpm	6,000 lbs. 120 fpm	9,000 lbs. 80 fpm
					12,000 lbs. 60 fpm

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

Winch
With standard rotation resistant rope
With optional 6 x 25 IWRC rope.

Bare Drum Pull
10,200 pounds
10,200 pounds

Allowable Cable Pull
7,000 pounds
8,400 pounds

*This feature is available with either the standard or optional cable. Ratings are based on intermittent use. High cycle applications may require optional oil cooler.

Important Information and Cautions

Do not operate cranes or accessories within 10 feet of live power lines.

1. Load ratings shown on these charts are maximum allowable loads with the outriggers properly extended on a firm, level surface and the crane leveled and mounted in a factory-recommended configuration.
2. Always level the crane with the level indicator on the crane frame.
3. The operator must reduce loads to allow for such factors as wind, ground conditions, operating speeds and the effect of freely suspended loads.
4. Overloading the crane may cause structural collapse or instability.
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 length.

