

NATIONAL CRANE

Subsidiary of Kilde Inc.

KILDE®

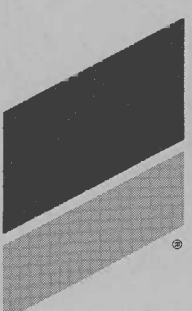
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NATIONAL SERIES 800B TELESCOPING CRANES



Load Ratings for Available Boom and Jib Options

MODERN CRANE

Boom and Jib Combinations

Telescoping Booms

- Model 839B: 22- to 39-foot two section
- Model 856B: 22- to 56-foot three section
- Model 875B: 22- to 75-foot four section
- Model 875BA: 22- to 75-foot four section*

*The Series 875BA is designed for National's self-stowing auger.

Jib Options

- Model 8FJ21: 21-foot straight (for Models 839B, 856B, 875B)
- Model 8FJ35M: 21- to 35-foot manual pull-out (for all 800B Models)
- Model 8FJ55M: 21- to 55-foot manual pull-out (for Model 875B)
- Model 8FJ15A: 15-foot angling jib (for Models 856B, 875B, 875BA)

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

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 factors such as wind.
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.

NATIONAL SERIES 800B WINCH DATA

CAUTION

- Do not deadhead lineblock 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				
			1 Part Line	2 Part Line	3 Part Line	4 Part Line	5 Part Line
Standard Planetary Winch	9/16" diameter rotation resistant	35,000 lbs.	7,000 lbs. 150 fpm	14,000 lbs. 75 fpm	21,000 lbs. 50 fpm	28,000 lbs. 37 fpm	35,000 lbs. 30 fpm
			Data applies to all 800B booms				
With Optional Bursi-of-Speed Feature**	Optional 9/16" diameter 6 x 25 IWRC	29,750 lbs.	7,500 lbs.* 8,400 lbs.† 150 fpm	15,000 lbs. 16,800 lbs.† 75 fpm	22,500 lbs.* 25,000 lbs.† 50 fpm	30,000 lbs.* 34,000 lbs.† 37 fpm	35,000 lbs.* 35,000 lbs.† 30 fpm
			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	15,000 lbs. 48 fpm

All winch pulls and speeds are shown on the third layer (the fourth layer on 875B). 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

*This feature is available with either the standard or optional cable

Bare Drum Pull

10,200 pounds

10,200 pounds

7,000 pounds

Allowable Cable Pull

8,400 pounds

