

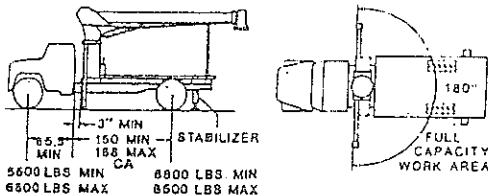
National Series 500B Truck/Crane Specifications

Truck Specifications

The 500B can be mounted in several configurations, including the one shown below. Your National dealer can provide you with detailed information about alternative configurations (with and without torsion boxes, rear mounts, etc.). Specifications vary, depending on the configuration utilized. The mounting configuration below is based on an 85% stability factor. The complete unit must be installed in accordance with factory requirements and a test must be performed to determine actual stability and counterweight requirements since individual truck chassis vary.

This configuration allows installation of the Series 500B on a chassis with a small frame by using the standard subbase. In most cases, the chassis will not require reinforcing and the amount of counterweight required is minimized, increasing payload capabilities. Requires standard subbase and RSH rear stabilizers. Full capacity work area is rear 180° of vehicle from outrigger to outrigger.

Gross Vehicle Weight Rating (GVWR)	29,360 lbs.
Gross Axle Weight Rating (GAWR), Front	10,860 lbs
Gross Axle Weight Rating (GAWR), Rear	18,500 lbs
Wheelbase (WB)	184" on Model 538B*
Cab to Axle/Trunnion (CA/CT)	120" on Model 538B*
Frame Section Modulus (SM) over Rear Stabilizers	
50,000 PSI	137-inch ³
or	
110,000 PSI	10.8-inch ³
Stability Weight Front**	5,500 lbs minimum 6,500 lbs maximum
Stability Weight Rear**	5,500 lbs w/RSH stabilizers
Estimated Average Final Weight	25,000 lbs

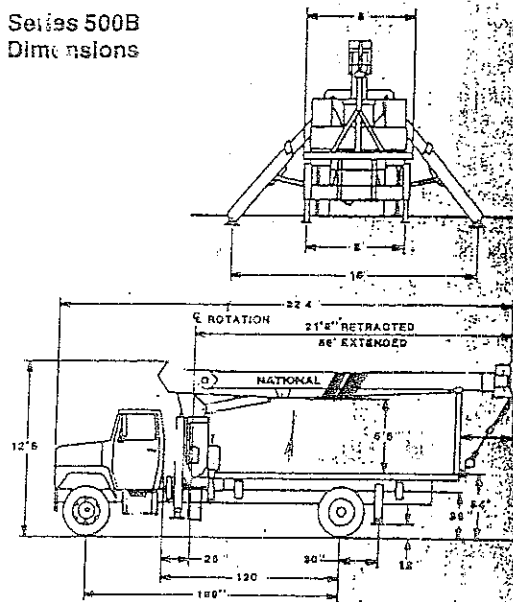


- * Longer WB, CA/CT required for 547B, 556B, 566B.
- ** Estimated axle scale weights prior to installation of crane, stabilizers and subbase if required for 85% stability.

Notes:

- 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 the use of longer wheelbase, service bodies, diesel engines, or front stabilizers.
- Tandem axle trucks must be used for hauling larger payloads.
- Diesel engines require variable speed governor and electric engine shut-off.

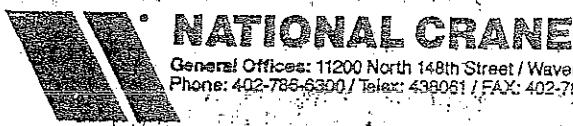
Series 500B Dimensions



Optional Equipment

- Remote controls (Models R3, R4)
- Burst-of-speed planetary winch feature for faster, more efficient pay-out and pick-up of cable (Model BOS)
- One-person fiberglass basket (Models B1, B1-L)
- Two-person basket (Model BS-1)
- High-performance piston motor winch (Model PMW)
- Pallet fork (Model MKF)
- Loose material clam bucket (Model LMC)
- Rear hydraulic stabilizers with 14 foot span (Model RSOD)
- Rear hydraulic stabilizers with 6-foot or 8-foot span (Models RSH-15/18/25)
- Rear hydraulic A-frame stabilizers with 10-foot span (Model ASH)
- Front-mounted hydraulic stabilizer (Model SFO)
- Cross frame outriggers with 15 1/2-foot span (Model SHO)
- Capacity alert systems (Models AAs, HAS)
- Hydraulic oil cooler (Model HOC)
- Three pump system (Model TP3)

Do not operate National cranes or accessories within 50 feet of live power lines or other electrified sources. Weights of all accessories attached to the boom of the crane must be deducted from the effective lifting capacity. Some accessories cannot be used in combination with other accessories and/or certain boom/lift combinations. Consult your National dealer for details and specific necessary requirements.



NATIONAL CRANE

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Your National Dealer

National reserves the right to change designs, prices, and specifications at any time without notice.

